UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Analytical results and sample locality map of heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina

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STUDIES RELATED TO CUSMAP

This report presents the results of the geochemical survey of the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina. Geochemical samples were collected as one of several multidisciplinary studies associated with the Conterminous United States Mineral Appraisal Program (CUSMAP). Correlated studies are the completion of a geologic map of the quadrangle and aeromagnetic, aeroradiation, and gravity surveys (Wilson and Daniels, 1980).

INTRODUCTION

In 1978 the U.S. Geological Survey began a reconnaissance geochemical survey of the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina (fig. 1). Access to the study area is provided in all directions by numerous state and county, primary and secondary, all-weather, hard-surface roads.

The Charlotte quadrangle provides a nearly complete section across the Piedmont; its northwestern corner is in the Blue Ridge, and its southwestern corner is over a basin of Triassic sedimentary rocks only a few miles from the Coastal Plain. Most of the quadrangle, except the southeastern corner, is underlain by crystalline rocks of Precambrian and Paleozoic age, metamorphosed to greenschist facies in the Slate Belt and to amphibolite facies farther west. Both pre-metamorphic and post-metamorphic intrusive rocks are present. The rocks have been weathered to permeable saprolite that reaches depths of 200 ft (60 m) in the Inner Piedmont. Because of the humid, subtropical weathering, most soils are acidic.

The ground surface is for the most part gently rolling with occasional higher hills, except in the northwest corner, which is comprised of the moderately rugged Blue Ridge Mountains. The climate is humid and temperate.

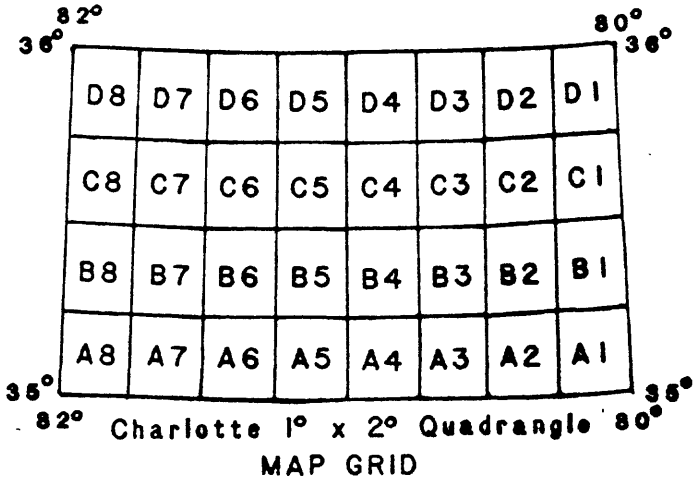
METHODS OF STUDY

Sample Media

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

Sample Collection

Samples were collected at 2,166 sites (plate 1). In making the geochemical survey, we took samples of sediment within a few miles of the heads of major streams and of the tributaries of these streams. By keeping the size of the drainage basin small, we reduced the variety of rocks that contribute detritus to the sample, thus facilitating a correlation between sample composition and the geology of the drainage basin. The usual procedure was to sample rather coarse sediment--pebble- or cobble-containing gravel--and to dig deeply to the bottom of the alluvial bed or to a compact clay layer. This procedure was repeated several times at suitable sites along the same stream, and all of the samples were consolidated to consist of approximately 10 lb (4.5 kg) of sample after the coarsest particles were removed. The heavy minerals were extracted from this material at the sample site with a gold



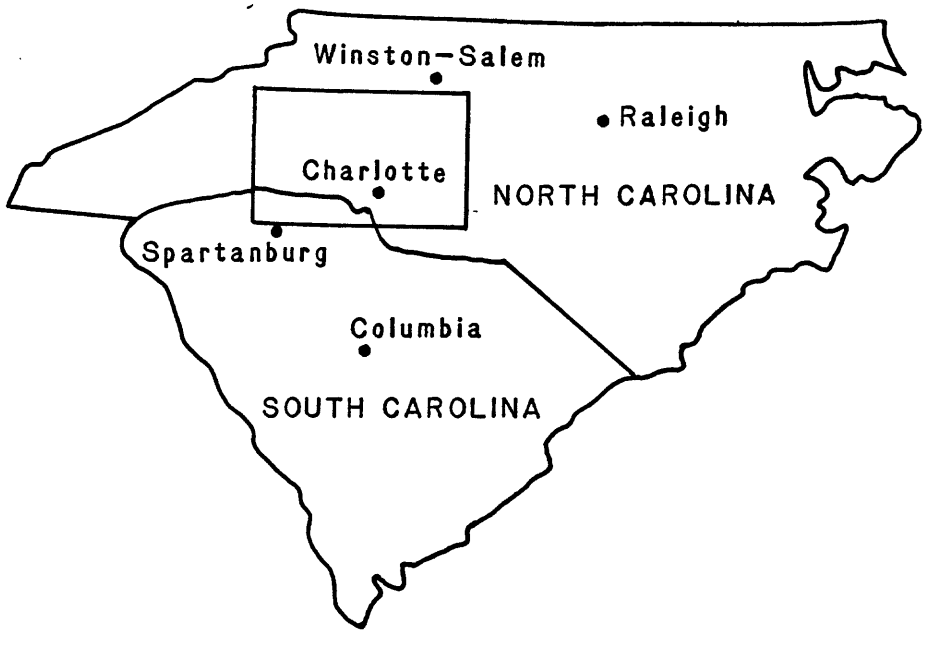


Figure 1. Map grid and index map of the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina

pan. The heavy-mineral concentrates were then passed through a 20-mesh (4.0-mm) sieve to remove large grains that would obstruct equipment used in subsequent laboratory operations. Samples taken in the same manner on earlier projects were also used to obtain better sample density of the Inner Piedmont.

Sample Preparation

The quartz, feldspar, and other minerals of specific gravity below 2.89 were removed from the pan concentrates by suspending them with bromoform. The mineral grains at or about specific gravity of 2.89 were then separated magnetically into four fractions. The first fraction was removed with a hand magnet, or an equivalent instrument, and not studied. The remaining concentrate was passed through a Frantz Isodynamic Separator at successive current settings of 0.5 ampere and 1 ampere with a 15° side slope and 25° forward slope. The material removed from the sample at 0.5 ampere and 1 ampere will be referred to as the M5 and M concentrates or fractions (tables 3 and 4), and the nonmagnetic material at 1 ampere will be referred to as the N concentrate or fraction (table 2). Most common ore minerals occur mainly in the N fraction; therefore, these minerals and their component metallic elements are easier to find and to identify in this fraction. The N fraction also contains zircon, sillimanite, kyanite, spinel, apatite, sphene, and the TiO_2 minerals. The M fraction is largely monazite in the Inner Piedmont. Because of interferences caused by cerium and other rare earths during spectrographic analysis and the high content of radiogenic lead in the monazite, it was necessary to remove the monazite from the nonmagnetic fraction by including it in the magnetic at 1 ampere setting (M fraction). East of the Inner Piedmont, the M fraction contained very abundant epidote, clinozoisite, mixed mineral grains, including ilmenite partly converted to leucoxene, staurolite, and locally abundant spinel. The M5 concentrate contains abundant garnet in the Inner Piedmont, dark ferromagnesian minerals in the Charlotte Belt, and ilmenite in most provinces.

Mineral proportions in each magnetic fraction were estimated using a binocular microscope. Samples containing artifacts such as copper wire, lead shot, etc., were noted (Griffitts and others, Open-File Report 84-843-C, 6 p.).

SAMPLE ANALYSIS

The heavy-mineral-concentrate samples were analyzed for 31 elements using a modification of a six-step, direct-current arc optical-emission spectrographic method (Grimes and Marranzino, 1968). Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting interval at the 83 percent confidence level and plus or minus two reporting intervals at the 96 percent confidence level (Motooka and Grimes, 1976). The elements analyzed and their lower limits of determination are listed in table 1. Values determined for the major elements (iron, magnesium, calcium, and titanium) are given in weight percent; all others are given in parts per million (micrograms/gram). Analytical data for the three separate fractions from the Charlotte 1° x 2° quadrangle are listed in tables 2-4.

ROCK ANALYSIS STORAGE SYSTEM

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

DESCRIPTION OF DATA TABLES

Tables 2-4 list the results of analyses for the three different fractions of the heavy-mineral concentrates. For the three tables, the data are arranged so that column 1 contains the USGS-assigned sample numbers. These numbers correspond to the numbers on the site location map (plate 1), except that the suffixes N, M, and M5 are omitted in the site location map. Thus, when looking for sample 8ST013M on the site map, look for 8ST013. The subheadings A-1, A-2, A-3...D-8 refer to a specific area of 15 min by longitude and latitude on the map. They are arranged alphabetically north to south and numerically east to west. The subheadings A-1, A-2,...D-7, D-8 are listed in the data set underneath the subheadings Longitude, Latitude, Ca, Mg, etc. They are centered in the middle of the page. (See map grid on figure 1 and plate 1.) The "s" below the element symbol refers to emission spectrographic analyses. A letter "N" in the tables indicates that a given element was looked for but not detected at the lower limit of determination shown for that element in table 1. If an element was observed but was below the lowest reporting value, a "less than" symbol (<) was entered in the tables in front of the lower limit of determination. If an element was observed but was above the highest reporting value, a "greater than" symbol (>) was entered in the tables in front of the upper limit of determination. Because of the formatting used in the computer program that produced tables 2-4, some of these elements listed in these tables (Fe, Mg, Ca, Ti, Ag, and Be) carry one or more nonsignificant digits to the right of the significant digits. The analyst did not determine these elements to the accuracy suggested by the extra zeros.

There are a few examples of samples having the same sample numbers and the same sample localities. These represent duplicate analyses on the same sample and may give the reader an idea of the sample preparation and sample analysis precision. These are not always on M or N samples corresponding to the M5 sample because of a lack of sufficient sample for analysis or because the spectral interferences caused by high Ce and other rare earths made spectrographic analyses impossible.

ADDITIONAL READING

The reader might find useful the many single and multi-element maps published on the Charlotte 1° x 2° quadrangle.

Duttweiler, Karen A., Botinelly, Theodore, Griffitts, W. R., and Whitlow, 1985, Distribution of titanium in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-K, 5 p.

Duttweiler, Karen A., Griffitts, W. R., and Whitlow, J. W., 1985, Distribution of limonite pellets in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-Q, 4 p.

Griffitts, W. R., Whitlow, J. W., Duttweiler, K. A., Siems, D. F., and Botinelly, Theodore, 1985, Distribution of copper in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-B, 4 p.

Griffitts, W. R., Whitlow, J. W., Duttweiler, K. A., Siems, D. F., and Wilch, L. O., 1985, Distribution of zinc in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-D, 4 p.

Griffitts, W. R., Whitlow, J. W., Duttweiler, K. A., Siems, D. F., and Wilch, L. O., 1985, Distribution of tin in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-F, 7 p.

Griffitts, W. R., Duttweiler, K. A., Whitlow, J. W., Siems, D. F., and Hoffman, J. D., 1985, Distribution of beryllium in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-G, 5 p.

Griffitts, W. R., Whitlow, J. W., Duttweiler, K. A., Siems, D. F., and Wilch, L. O., 1985, Distribution of niobium in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-H, 4 p.

Griffitts, W. R., Whitlow, J. W., Duttweiler, K. A., Siems, D. F., and Wilch, L. O., 1984, Distribution of tungsten in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-I, 5 p.

Griffitts, W. R., Duttweiler, K. A., Whitlow, J. W., Siems, D. F., and Hoffman, J. D., 1984, Distribution of molybdenum in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-J, 5 p.

Griffitts, W. R., Whitlow, J. W., Siems, D. F., Duttweiler, K. A., and Hoffman, J. D., 1984, Distribution of cobalt in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-L, 4 p.

Griffitts, W. R., Duttweiler, K. A., Whitlow, J. W., Siems, D. F., and Wilch, L. O., 1985, Distribution of barium in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-N, 3 p.

Griffitts, W. R., Whitlow, J. W., Duttweiler, K. A., Siems, D. F., and Wilch, L. O., 1985, Distribution of antimony, arsenic, bismuth, and cadmium in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-O, 4 p.

Siems, D. F., Griffitts, W. R., Whitlow, J. W., and Duttweiler, K. A., 1985, Thorium, cerium, and monazite survey of the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-P, 5 p.

Whitlow, J. W., Duttweiler, Griffitts, W. R., and Siems, D. F., 1985, Distribution of gold in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-E, 4 p.

Wilson, F. A., and Daniels, D. L., 1980, Simple Bouguer gravity map of the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Miscellaneous Investigations Series Map I-1251-A.

ACKNOWLEDGMENTS

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Griffitts, W. R., Whitlow, J. W., Botinelly, Theodore, Duttweiler, K. A., Siems, D. F., and Wilch, L. O., 1984, Distribution of lead and artifacts in heavy-mineral-concentrate samples from the Charlotte 1° x 2° quadrangle, North Carolina and South Carolina: U.S. Geological Survey Open-File Report 84-843-C, 6 p.

Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.

Motooka, J. M., and Grimes, D. J., 1976, Analytical precision of one-sixth order semiquantitative spectrographic analyses: U.S. Geological Survey Circular 738, 25 p.

VanTrump, George, Jr., and Miesch, A. T., 1977, The U.S. Geological Survey RASS-STATPAC system for management and statistical reduction of geochemical data: Computers and Geosciences, v. 3, p. 475-488.

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

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

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.

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

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-1							
8AN001N	35 6 43	80 0 39	.10	<.05	N	>2.00	50	N	N	N	50	50
8AN002N	35 6 15	80 0 43	.10	<.05	N	>2.00	50	N	N	N	50	50
8AN003N	35 1 47	80 0 31	.10	<.05	<.10	>2.00	150	N	N	N	20	50
8AN004N	35 0 0	80 0 27	<.10	<.05	<.10	>2.00	100	N	N	N	20	50
8AN005N	35 0 40	80 7 27	<.10	<.05	<.10	>2.00	100	N	N	N	20	50
8AN006N	35 6 53	80 0 20	.15	.05	N	>2.00	70	N	N	N	30	<50
8AN007N	35 3 48	80 1 25	<.10	<.05	N	>2.00	100	N	N	N	20	50
8AN008N	35 3 44	80 1 28	.10	.05	.10	>2.00	100	N	N	N	20	70
8AN009N	35 2 2	80 3 19	.10	.05	.10	>2.00	150	N	N	<20	30	100
8AN010N	35 3 4	80 4 2	<.10	<.05	N	>2.00	70	N	N	N	30	50
8AN011N	35 2 47	80 4 56	<.10	<.05	N	>2.00	100	N	N	<20	20	50
8AN012N	35 4 56	80 5 54	<.10	<.05	<.10	>2.00	100	N	N	N	20	50
8AN013N	35 4 45	80 5 3	<.10	<.05	N	>2.00	50	N	N	N	100	70
8AN014N	35 6 4	80 4 58	<.10	<.05	N	>2.00	50	N	N	N	20	<50
8AN015N	35 6 17	80 5 6	<.10	<.05	N	>2.00	150	N	N	N	20	50
8AN016N	35 7 21	80 5 17	.20	.15	.10	>2.00	100	N	N	20	20	150
8AN017N	35 5 6	80 6 25	<.10	<.05	<.10	>2.00	50	N	N	N	20	50
8AN018N	35 4 52	80 7 16	.10	.05	.20	>2.00	100	N	N	20	100	1,000
8AN019N	35 1 29	80 6 56	N	<.05	N	>2.00	70	N	N	N	20	50
8AQ001N	35 14 37	80 7 31	2.00	.70	.10	>2.00	7,000	N	N	N	100	150
8AQ002N	35 11 44	80 7 35	3.00	.70	.20	>2.00	7,000	N	N	N	150	150
8AQ003N	35 10 31	80 8 35	.70	.07	.15	>2.00	300	N	N	N	<20	500
8AQ004N	35 10 49	80 10 5	1.00	.10	.15	>2.00	500	N	N	N	<20	150
8AQ005N	35 9 44	80 8 33	.50	<.05	.10	>2.00	500	N	N	N	<20	100
8AQ006N	35 8 2	80 9 18	1.00	<.05	.10	>2.00	300	N	N	N	<20	<50
8AQ007N	35 13 51	80 8 11	1.50	.05	.20	>2.00	500	N	N	N	<20	50
8AQ008N	35 13 7	80 8 9	1.50	3.00	2.00	>2.00	1,000	N	N	N	<20	<50
8AQ009N	35 12 52	80 10 16	1.50	.15	1.00	>2.00	1,000	20	N	N	<20	100
8AQ010N	35 12 54	80 10 19	1.50	.70	.30	>2.00	700	N	N	N	20	100
8AQ011N	35 12 31	80 11 4	1.50	.10	<.10	>2.00	700	N	N	N	<20	100
8AQ012N	35 10 15	80 11 47	1.50	.20	<.10	>2.00	700	N	N	N	<20	150
8AQ013N	35 9 41	80 11 9	.70	<.05	.50	>2.00	500	70	N	700	<20	70
8AQ014N	35 9 57	80 12 40	1.00	.15	<.10	>2.00	500	N	N	N	<20	100
8AQ015N	35 7 35	80 12 29	1.50	.07	<.10	>2.00	500	N	N	N	<20	70
8AQ016N	35 7 33	80 12 16	1.00	.07	<.10	>2.00	200	N	N	N	20	70
8AQ017N	35 12 57	80 14 20	1.00	.05	<.10	>2.00	200	N	N	N	<20	150
8AQ018N	35 13 52	80 13 56	.70	<.05	N	>2.00	200	N	N	N	<20	70
8AQ019N	35 14 1	80 11 11	1.00	.50	.30	>2.00	500	N	N	N	<20	70
8AQ020N	35 8 29	80 13 31	1.00	.20	.10	>2.00	300	N	N	N	<20	300
8AQ021N	35 9 8	80 14 44	1.00	.20	<.10	>2.00	1,000	N	N	N	<20	150

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-1--Continued						
8AN001N	5	N	N	N	100	N	N	N	50	<10	20
8AN002N	N	N	N	N	100	N	50	N	50	<10	20
8AN003N	N	N	N	N	50	<10	150	N	70	<10	<20
8AN004N	N	N	N	N	50	<10	500	N	100	<10	<20
8AN005N	N	N	N	N	50	N	N	N	100	<10	<20
8AN006N	10	N	N	N	150	N	N	N	50	<10	30
8AN007N	N	N	N	N	100	N	300	N	200	<10	<20
8AN008N	5	N	N	N	150	<10	50	N	100	<10	<20
8AN009N	N	N	N	N	50	<10	100	N	100	<10	<20
8AN010N	N	N	N	N	70	<10	100	N	100	<10	<20
8AN011N	N	N	N	N	20	N	70	N	70	<10	<20
8AN012N	3	N	N	N	100	N	N	N	150	<10	<20
8AN013N	50	N	N	N	100	20	<50	N	50	<10	<20
8AN014N	70	N	N	N	150	N	N	N	150	<10	<20
8AN015N	N	N	N	N	70	<10	N	N	100	<10	50
8AN016N	5	N	N	N	100	<10	100	N	50	<10	<20
8AN017N	5	N	N	N	50	20	N	N	70	<10	<20
8AN018N	N	N	N	N	50	N	150	N	50	<10	<20
8AN019N	3	N	N	N	70	N	50	N	100	<10	<20
8AQ001N	5	N	N	150	100	100	1,500	N	100	<10	70
8AQ002N	5	N	N	100	200	100	1,000	N	100	<10	100
8AQ003N	2	N	N	15	70	10	300	N	50	<10	30
8AQ004N	3	N	N	30	150	15	200	N	150	<10	300
8AQ005N	N	N	<50	20	70	<10	200	N	50	<10	20
8AQ006N	N	N	N	30	150	<10	100	N	150	<10	20
8AQ007N	3	N	N	30	300	50	50	N	150	<10	30
8AQ008N	N	N	N	50	3,000	10	<50	N	150	100	50
8AQ009N	3	N	100	30	150	300	70	N	100	<10	700
8AQ010N	200	N	N	70	500	50	50	N	50	<10	50
8AQ011N	5	N	N	30	100	100	N	N	50	<10	50
8AQ012N	5	N	N	30	70	30	N	N	100	<10	50
8AQ013N	N	N	N	150	70	10	150	N	50	<10	20
8AQ014N	3	N	N	30	70	20	50	N	100	<10	30
8AQ015N	5	N	N	30	100	20	50	N	150	<10	30
8AQ016N	3	N	N	20	150	10	100	N	70	<10	2,000
8AQ017N	100	N	N	20	100	20	100	N	100	<10	100
8AQ018N	2	N	N	20	100	200	100	N	150	<10	30
8AQ019N	2	N	100	100	200	10	N	N	150	500	200
8AQ020N	3	N	N	50	150	20	N	N	150	<10	20
8AQ021N	5	N	N	50	30	20	N	N	100	<10	20

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-1--Continued					
8AN001N	N	20	300	N	150	N	300	N	>2,000	N
8AN002N	N	20	50	N	150	N	300	N	>2,000	N
8AN003N	N	50	>2,000	N	200	N	300	N	N	N
8AN004N	N	50	>2,000	N	150	N	300	N	N	N
8AN005N	N	50	>2,000	N	200	N	300	N	N	N
8AN006N	N	30	150	N	200	N	300	N	N	N
8AN007N	N	70	>2,000	N	200	N	300	N	N	N
8AN008N	N	70	500	N	200	N	300	N	N	N
8AN009N	N	70	1,500	N	150	N	500	N	N	N
8AN010N	N	30	500	N	200	N	300	N	N	N
8AN011N	N	30	2,000	N	100	N	500	N	N	N
8AN012N	N	50	1,500	N	200	N	300	N	N	N
8AN013N	N	50	1,500	N	150	N	300	N	N	N
8AN014N	N	70	1,500	N	200	N	300	N	N	N
8AN015N	N	50	1,500	N	300	N	300	N	N	N
8AN016N	N	50	100	<200	150	N	200	N	N	N
8AN017N	N	50	700	N	150	N	200	N	N	N
8AN018N	N	70	300	N	150	N	500	N	N	N
8AN019N	N	70	1,000	N	200	N	500	N	N	N
8AQ001N	N	50	N	<200	200	N	150	N	200	<200
8AQ002N	N	50	N	<200	150	N	150	N	150	200
8AQ003N	N	70	N	300	150	N	500	2,000	>2,000	N
8AQ004N	N	50	300	200	200	N	200	N	>2,000	N
8AQ005N	N	70	150	<200	150	N	700	2,000	>2,000	N
8AQ006N	N	70	700	<200	200	N	300	N	>2,000	N
8AQ007N	N	50	500	<200	200	N	150	1,500	>2,000	N
8AQ008N	N	70	700	<200	300	N	200	N	>2,000	N
8AQ009N	N	50	70	200	200	N	150	5,000	>2,000	N
8AQ010N	N	70	700	<200	200	N	300	N	>2,000	N
8AQ011N	N	50	N	<200	200	N	200	N	>2,000	N
8AQ012N	N	50	100	<200	200	N	100	N	>2,000	N
8AQ013N	N	50	1,000	200	150	N	500	1,000	>2,000	N
8AQ014N	N	50	N	<200	200	N	70	N	>2,000	N
8AQ015N	N	30	100	<200	150	N	70	N	2,000	N
8AQ016N	N	50	700	<200	150	N	150	700	>2,000	N
8AQ017N	N	30	1,500	<200	150	N	200	N	>2,000	N
8AQ018N	N	100	700	<200	200	N	200	N	>2,000	N
8AQ019N	N	50	100	<200	200	N	200	N	>2,000	N
8AQ020N	N	30	30	<200	150	N	150	N	>2,000	N
8AQ021N	N	20	N	<200	150	N	100	N	1,500	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-1--Continued							
8AQ022N	35 14 4	80 10 33	1.00	.07	.10	>2.00	300	N	N	N	<20	70
8MG001N	35 13 56	80 1 0	.50	.15	.10	>2.00	70	70	N	>1,000	<20	N
8MG002N	35 9 50	80 0 20	.30	.05	.20	>2.00	100	N	N	N	20	100
8MG002N	35 9 50	80 0 20	.20	<.05	N	>2.00	70	N	N	50	<20	50
8MG003N	35 8 58	80 0 44	.20	<.05	N	>2.00	100	N	N	N	<20	150
8MG004N	35 12 39	80 1 18	.30	.07	.15	>2.00	150	N	N	N	50	200
8MG005N	35 12 32	80 2 24	.15	<.05	<.10	>2.00	50	20	N	1,000	<20	<50
8MG006N	35 12 44	80 3 9	.20	.07	.10	>2.00	100	N	N	20	20	100
8MG008N	35 13 59	80 1 31	3.00	.10	1.50	>2.00	1,000	N	N	N	<20	3,000
8MG009N	35 8 10	80 1 36	.30	<.05	.10	>2.00	100	N	N	N	<20	100
8MG010N	35 7 33	80 0 59	.10	<.05	N	>2.00	50	N	N	N	<20	N
8MG011N	35 14 9	80 6 29	1.50	.10	1.00	>2.00	300	N	N	N	<20	70
8MG012N	35 12 2	80 6 45	1.00	.20	.30	>2.00	200	N	N	N	<20	500
8MG013N	35 11 40	80 7 23	1.50	.70	.70	>2.00	300	N	N	N	<20	50
8MG014N	35 12 4	80 4 25	.50	.10	.15	>2.00	150	N	N	N	20	N
8MG015N	35 11 10	80 4 6	.20	<.05	<.10	>2.00	70	N	N	N	20	N
8MG016N	35 9 11	80 7 10	.50	.05	.15	>2.00	150	N	N	N	<20	200
8MG017N	35 7 36	80 5 19	.50	.15	.15	>2.00	200	N	N	100	<20	300
8MG018N	35 7 30	80 6 24	.70	.10	<.10	>2.00	200	N	N	N	30	200
8MG019N	35 7 33	80 6 25	.70	.15	.10	>2.00	200	N	N	70	<20	100
8PL001N	35 7 3	80 7 55	.20	.15	.10	>2.00	500	N	N	N	50	300
8PL002N	35 3 35	80 8 46	.30	.07	.20	>2.00	500	N	N	N	200	200
8PL003N	35 3 34	80 8 46	.10	.20	.30	>2.00	300	N	N	N	150	200
8PL004N	35 2 0	80 7 56	.10	<.05	<.10	>2.00	700	N	N	N	20	150
8PL005N	35 1 43	80 9 19	.20	.07	<.10	>2.00	100	N	N	N	50	200
8PL006N	35 0 19	80 12 35	.20	.20	.30	>2.00	300	N	N	N	100	200
8PL007N	35 0 9	80 13 12	.20	.07	.30	>2.00	300	N	N	N	20	200
8PL008N	35 2 20	80 12 22	.50	.20	.10	>2.00	500	N	N	N	30	500
8PL009N	35 2 9	80 9 15	.15	.05	<.10	>2.00	100	N	N	N	20	500
8PL010N	35 2 53	80 10 7	.10	.05	N	>2.00	100	N	N	N	20	100
8PL011N	35 6 50	80 10 53	.20	.05	.20	>2.00	200	N	N	N	20	200
8PL012N	35 6 39	80 10 50	.20	.15	.20	>2.00	200	N	N	N	20	200
8PL013N	35 4 14	80 11 53	.30	.10	<.10	>2.00	300	N	N	N	30	300
8PL014N	35 2 46	80 13 6	.50	.50	.20	>2.00	500	N	N	N	20	300
8PL015N	35 2 18	80 13 23	.50	.15	.10	>2.00	200	N	N	N	20	200
8PL016N	35 2 42	80 14 46	.50	.10	<.10	>2.00	200	N	N	N	30	200
8PL017N	35 2 54	80 14 32	.50	.20	.20	>2.00	200	N	N	N	20	200
8PL018N	35 5 12	80 13 3	.50	.50	.30	>2.00	300	N	N	N	20	300
8PL019N	35 5 3	80 11 28	.50	.15	1.50	>2.00	700	N	N	N	30	300
8PL020N	35 5 39	80 13 50	.50	.10	<.10	>2.00	500	N	N	N	20	200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-1--Continued						
8AQ022N	3	N	N	20	150	15	N	N	200	<10	50
8MG001N	2	N	N	20	200	100	N	N	50	<10	20
8MG002N	200	N	N	20	300	N	50	N	70	<10	20
8MG002N	100	N	N	15	200	N	200	N	50	<10	20
8MG003N	2	N	N	15	100	200	150	N	<50	<10	30
8MG004N	150	N	N	20	300	N	200	N	50	<10	1,500
8MG005N	<2	N	N	15	150	N	50	N	50	<10	50
8MG006N	300	N	N	15	300	N	200	N	100	<10	100
8MG008N	5	N	50	20	200	150	100	N	100	50	15,000
8MG009N	2	N	N	N	70	N	100	N	<50	<10	30
8MG010N	N	N	N	N	100	N	N	N	50	<10	N
8MG011N	N	N	N	10	300	300	100	N	70	<10	150
8MG012N	3	N	N	10	200	N	1,000	N	<50	<10	150
8MG013N	150	N	50	10	700	N	70	N	50	<10	100
8MG014N	N	N	N	10	200	N	50	N	50	<10	<20
8MG015N	N	N	N	10	150	N	<50	N	50	<10	500
8MG016N	2	N	N	15	100	N	100	N	50	<10	100
8MG017N	5	N	N	50	300	N	50	N	50	20	150
8MG018N	300	N	N	20	200	N	50	N	50	<10	70
8MG019N	100	N	N	20	200	N	<50	N	70	<10	20
8PL001N	5	N	N	20	200	500	150	N	100	<10	20
8PL002N	3	N	N	20	200	30	100	N	100	<10	200
8PL003N	3	N	N	30	200	<10	70	N	100	<10	50
8PL004N	50	N	N	10	100	<10	50	N	150	<10	20
8PL005N	2	N	N	20	300	N	1,000	N	70	<10	300
8PL006N	2	N	N	20	200	100	150	N	70	<10	70
8PL007N	3	N	N	20	70	N	100	N	50	<10	50
8PL008N	15	N	N	30	150	N	150	N	100	<10	150
8PL009N	2	N	N	20	200	N	150	N	100	<10	30
8PL010N	200	N	N	20	200	N	N	N	150	<10	70
8PL011N	3	N	N	50	200	50	70	N	70	<10	30
8PL012N	5	N	N	30	300	<10	N	N	70	<10	1,000
8PL013N	10	N	N	30	150	<10	200	N	100	<10	500
8PL014N	7	N	N	30	300	<10	50	N	70	<10	150
8PL015N	100	N	N	20	300	<10	100	N	70	<10	30
8PL016N	5	N	N	50	200	20	50	N	70	<10	50
8PL017N	5	N	N	50	300	700	50	N	70	<10	2,000
8PL018N	500	N	N	50	700	20	50	N	50	<10	50
8PL019N	10	N	50	30	150	20	200	N	50	<10	300
8PL020N	10	N	N	50	200	10	50	N	70	<10	70

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-1--Continued					
8AQ022N	N	50	200	<200	200	N	200	1,000	>2,000	N
8MG001N	N	50	300	N	300	N	200	N	>2,000	N
8MG002N	N	50	N	N	300	N	500	N	>2,000	N
8MG002N	N	50	300	N	300	N	300	N	>2,000	N
8MG003N	N	100	500	<200	200	N	1,000	N	>2,000	N
8MG004N	N	70	1,500	<200	300	N	500	N	>2,000	N
8MG005N	N	70	300	N	300	N	500	N	>2,000	N
8MG006N	N	70	500	<200	300	N	700	N	>2,000	N
8MG008N	500	20	300	200	300	N	200	2,000	>2,000	N
8MG009N	N	70	100	N	200	N	700	N	>2,000	N
8MG010N	N	50	200	N	200	N	700	N	>2,000	N
8MG011N	N	30	1,000	<200	700	N	200	N	>2,000	N
8MG012N	N	50	20	700	200	N	500	N	>2,000	N
8MG013N	N	50	500	<200	300	N	500	3,000	>2,000	N
8MG014N	N	50	N	N	300	N	500	N	>2,000	N
8MG015N	N	20	200	N	300	N	300	N	>2,000	N
8MG016N	N	50	N	<200	300	N	700	500	>2,000	N
8MG017N	N	70	500	N	500	N	500	N	>2,000	N
8MG018N	N	70	200	N	500	N	500	N	>2,000	N
8MG019N	N	70	500	N	500	N	500	N	>2,000	N
8PL001N	N	100	1,500	N	300	N	200	N	>2,000	N
8PL002N	N	100	2,000	200	200	N	200	N	>2,000	N
8PL003N	N	150	700	N	200	N	300	N	>2,000	N
8PL004N	N	150	>2,000	N	300	N	500	N	>2,000	N
8PL005N	N	100	1,500	N	300	N	300	N	>2,000	N
8PL006N	N	100	70	N	150	N	500	N	>2,000	N
8PL007N	N	100	1,500	N	200	N	500	N	>2,000	N
8PL008N	N	70	500	<200	150	N	500	N	>2,000	N
8PL009N	N	150	2,000	<200	200	N	700	N	>2,000	N
8PL010N	N	150	2,000	N	300	N	500	N	>2,000	N
8PL011N	N	100	500	<200	200	N	500	N	>2,000	N
8PL012N	N	70	2,000	<200	200	N	300	N	>2,000	N
8PL013N	N	70	N	<200	200	N	200	500	>2,000	N
8PL014N	N	100	200	<200	200	N	200	N	>2,000	N
8PL015N	N	100	700	<200	200	N	300	N	>2,000	N
8PL016N	N	100	200	<200	150	N	200	N	>2,000	N
8PL017N	N	100	1,500	<200	150	N	200	N	>2,000	N
8PL018N	N	100	700	<200	200	N	200	N	>2,000	N
8PL019N	N	70	20	700	150	N	200	2,000	>2,000	N
8PL020N	N	100	N	<200	200	N	200	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-1--Continued							
8PL021N	35 5 44	80 14 26	.70	.10	<.10	>2.00	500	N	N	N	20	200
8PL022N	35 6 35	80 13 10	1.00	.10	<.10	>2.00	200	N	N	N	<20	100
8PL023N	35 6 38	80 13 13	.70	.10	<.10	>2.00	150	N	N	N	20	100
					A-2							
8OB001N	35 6 27	80 20 12	.50	.20	<.10	>2.00	700	N	N	N	30	200
8OB002N	35 7 1	80 17 32	.70	.20	<.10	>2.00	1,000	15	N	500	30	200
8OB003N	35 6 59	80 17 29	.50	.07	.10	>2.00	200	200	N	>1,000	20	150
8OB004N	35 6 52	80 15 58	.50	.05	.15	>2.00	200	N	N	50	20	100
8OB005N	35 6 15	80 15 47	.70	.10	N	>2.00	300	N	N	N	20	200
8OB006N	35 6 12	80 16 26	.70	.07	N	>2.00	300	N	N	N	20	150
8OB007N	35 5 12	80 15 13	.70	.07	<.10	>2.00	500	N	N	N	20	150
8OB008N	35 4 50	80 15 8	.70	.07	N	>2.00	150	N	N	N	20	100
8OB009N	35 6 10	80 17 30	.50	.10	<.10	>2.00	500	N	N	30	30	150
8OB010N	35 5 21	80 17 45	.50	.10	<.10	>2.00	500	N	N	N	20	150
8OB011N	35 4 6	80 15 45	.70	.10	<.10	>2.00	500	N	N	N	20	200
8OB012N	35 3 53	80 16 54	.70	.10	<.10	>2.00	700	N	N	N	20	200
8OB013N	35 2 42	80 17 13	.70	.10	N	>2.00	150	N	N	N	20	200
8OB014N	35 1 59	80 15 21	.50	.07	<.10	>2.00	150	N	N	<20	20	150
8OB015N	35 1 12	80 16 11	.50	.15	N	>2.00	200	N	N	N	20	100
8OB016N	35 0 17	80 16 44	.50	.10	N	>2.00	300	N	N	N	20	150
8OB017N	35 0 29	80 18 19	.20	.07	N	>2.00	500	N	N	20	20	150
8OB018N	35 1 34	80 17 17	.50	.10	N	>2.00	200	5	N	500	20	150
8OB019N	35 1 24	80 16 41	.30	.10	<.10	>2.00	200	N	N	70	30	200
8OB020N	35 1 28	80 17 26	.50	.10	N	>2.00	300	N	N	N	20	150
8OB021N	35 3 42	80 19 14	.50	.15	N	>2.00	300	N	N	N	30	200
8OB022N	35 1 54	80 18 9	.30	.10	N	>2.00	200	N	N	<20	20	150
8OB023N	35 1 15	80 21 59	.50	.15	N	>2.00	200	N	N	N	20	200
8OB024N	35 0 41	80 22 22	.50	.20	<.10	>2.00	500	N	N	N	30	200
8OB025N	35 1 41	80 21 26	.30	.07	.10	>2.00	300	N	N	70	30	150
8OB026N	35 3 38	80 19 47	.30	.15	<.10	>2.00	300	N	N	N	20	200
8OB027N	35 2 40	80 21 48	.70	.10	<.10	>2.00	500	N	N	<20	20	500
8OB028N	35 3 27	80 21 48	.30	.05	.10	>2.00	200	20	N	1,000	20	100
8OB029N	35 4 21	80 20 20	.50	.10	.10	>2.00	500	N	N	<20	30	100
8OB030N	35 4 31	80 19 11	.50	.20	<.10	>2.00	200	N	N	N	30	200
8OB031N	35 5 20	80 20 2	.50	.20	<.10	>2.00	700	N	N	20	30	200
8OB032N	35 4 28	80 22 5	.30	.10	<.10	>2.00	700	N	N	N	20	150
8OK001N	35 8 31	80 15 37	2.00	.15	.10	>2.00	1,000	N	N	N	<20	70
8OK002N	35 9 2	80 16 46	2.00	.20	.20	>2.00	500	N	N	N	<20	100
8OK003N	35 10 55	80 15 25	1.00	.05	<.10	>2.00	300	N	N	N	20	70
8OK004N	35 10 29	80 17 3	1.00	<.05	<.10	>2.00	200	N	N	N	<20	50
8OK005N	35 10 14	80 18 44	2.00	.10	.10	>2.00	500	N	N	N	<20	150
8OK006N	35 8 31	80 17 48	1.50	.07	.30	>2.00	300	N	N	N	<20	50
8OK007N	35 11 34	80 18 6	1.00	.10	<.10	>2.00	200	N	N	N	30	100
8OK008N	35 11 43	80 17 6	.30	.07	.10	>2.00	200	N	N	N	<20	<50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-1--Continued						
8PL021N	7	N	N	50	200	15	50	N	70	<10	70
8PL022N	3	N	N	20	50	15	N	N	200	20	20
8PL023N	3	N	N	20	100	15	N	N	300	20	20
					A-2--Continued						
8OB001N	2	N	N	50	70	20	50	N	100	<10	70
8OB002N	3	N	N	50	70	20	50	N	100	<10	100
8OB003N	3	N	N	30	100	700	50	N	100	<10	<20
8OB004N	2	N	N	30	150	20	50	N	100	<10	<20
8OB005N	5	N	N	30	150	20	70	N	70	<10	30
8OB006N	3	N	N	30	100	10	50	N	100	<10	20
8OB007N	5	N	N	30	150	20	70	N	100	<10	30
8OB008N	5	N	N	30	70	20	70	N	100	<10	50
8OB009N	5	N	N	30	100	20	50	N	100	<10	30
8OB010N	3	N	N	30	100	10	50	N	70	<10	50
8OB011N	20	N	N	30	100	30	50	N	100	<10	100
8OB012N	5	N	N	50	100	20	50	N	70	<10	70
8OB013N	3	N	N	30	100	10	50	N	100	<10	30
8OB014N	500	N	N	30	150	50	50	N	150	<10	2,000
8OB015N	5	N	N	30	100	10	50	N	70	<10	50
8OB016N	3	N	N	30	100	50	50	N	100	<10	200
8OB017N	3	N	N	30	100	150	50	N	100	<10	150
8OB018N	3	N	N	30	100	20	50	N	100	<10	30
8OB019N	3	N	N	30	100	20	50	N	100	<10	30
8OB020N	5	N	N	30	70	10	50	N	100	<10	30
8OB021N	3	N	N	30	70	10	50	N	70	<10	20
8OB022N	3	N	N	30	70	70	50	N	100	<10	30
8OB023N	2	N	N	30	100	30	50	N	70	<10	1,000
8OB024N	2	N	N	30	100	20	50	N	100	<10	70
8OB025N	2	N	N	50	100	20	50	N	150	<10	7,000
8OB026N	3	N	N	30	100	20	50	N	70	<10	100
8OB027N	3	N	N	50	150	100	50	N	100	20	1,500
8OB028N	2	N	N	30	150	10	50	N	100	<10	30
8OB029N	2	N	N	50	100	10	50	N	100	<10	20
8OB030N	2	N	N	30	70	10	50	N	70	<10	300
8OB031N	7	N	N	50	100	30	50	N	100	<10	300
8OB032N	3	N	N	50	100	20	50	N	100	<10	50
8OK001N	5	N	N	20	50	N	<50	N	100	<10	<20
8OK002N	5	N	N	20	200	N	200	N	100	<10	30
8OK003N	100	N	N	15	70	N	<50	N	50	<10	N
8OK004N	150	N	N	20	70	N	<50	N	50	<10	N
8OK005N	5	N	N	20	100	<10	150	N	50	<10	200
8OK006N	3	N	N	20	50	N	<50	N	70	<10	N
8OK007N	5	N	N	15	50	<10	200	N	50	<10	70
8OK008N	<2	N	N	10	30	N	<50	N	N	<10	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-1--Continued					
8PL021N	N	70	N	<200	200	N	100	N	>2,000	N
8PL022N	N	30	50	N	100	N	50	N	300	N
8PL023N	N	50	100	N	150	N	50	<500	>2,000	N
					A-2--Continued					
80B001N	N	50	N	N	150	N	100	N	700	N
80B002N	N	50	N	N	150	N	100	N	1,000	N
80B003N	N	50	300	N	150	N	100	N	1,000	N
80B004N	N	50	50	N	150	N	100	N	>2,000	N
80B005N	N	30	70	N	100	N	70	N	700	N
80B006N	N	30	100	N	100	N	100	N	>2,000	N
80B007N	N	30	100	N	100	N	100	N	1,500	N
80B008N	N	30	50	N	70	N	100	N	2,000	N
80B009N	N	50	70	N	100	N	150	N	2,000	N
80B010N	N	30	N	N	100	N	100	N	2,000	N
80B011N	N	50	200	N	100	N	100	N	700	N
80B012N	N	50	20	N	100	N	100	N	1,000	N
80B013N	N	50	150	N	150	N	100	N	1,000	N
80B014N	N	50	500	N	100	N	100	N	>2,000	N
80B015N	N	50	50	N	100	N	100	N	2,000	N
80B016N	N	50	100	N	100	N	100	N	2,000	N
80B017N	N	50	100	N	100	N	100	N	2,000	N
80B018N	N	50	200	N	100	N	70	N	2,000	N
80B019N	N	70	700	N	100	N	150	N	>2,000	N
80B020N	N	30	N	N	70	N	100	N	700	N
80B021N	N	50	150	N	100	N	100	N	1,000	N
80B022N	N	30	20	N	100	N	100	N	1,000	N
80B023N	N	30	200	N	100	N	100	N	1,000	N
80B024N	N	30	N	N	100	N	70	N	500	N
80B025N	N	50	200	N	100	N	100	N	2,000	N
80B026N	N	50	<20	N	100	N	70	N	1,500	N
80B027N	N	50	100	N	100	N	100	N	>2,000	N
80B028N	N	50	70	N	100	N	100	N	>2,000	N
80B029N	N	30	100	N	100	N	70	N	>2,000	N
80B030N	N	30	100	N	70	N	70	N	2,000	N
80B031N	N	70	100	N	100	N	70	N	2,000	N
80B032N	N	50	N	N	100	N	70	N	2,000	N
80K001N	N	15	N	N	150	N	50	N	1,000	N
80K002N	N	20	200	200	200	N	100	N	>2,000	N
80K003N	N	30	300	<200	150	N	300	N	>2,000	N
80K004N	N	20	300	<200	150	N	200	N	>2,000	N
80K005N	N	20	200	<200	200	N	150	2,000	>2,000	N
80K006N	N	10	N	200	150	N	100	N	>2,000	N
80K007N	N	20	1,000	200	150	N	300	N	>2,000	N
80K008N	N	50	20	200	100	N	500	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-2--Continued							
8OK009N	35 12 55	80 15 24	5.00	.15	.30	>2.00	500	200	N	N	20	500
8OK010N	35 13 49	80 15 22	5.00	.10	.20	>2.00	500	N	N	N	20	50
8OK011N	35 12 49	80 15 10	30.00	.20	.15	>2.00	700	10	N	N	20	1,000
8OK012N	35 13 52	80 16 17	3.00	.15	.15	>2.00	700	N	N	N	20	150
8OK013N	35 14 23	80 18 42	3.00	.05	.10	>2.00	150	N	N	500	<20	300
8OK014N	35 14 53	80 21 42	.20	<.05	.10	>2.00	100	N	N	N	<20	N
8OK015N	35 14 0	80 21 41	1.00	.05	<.10	>2.00	200	100	N	N	<20	200
8OK016N	35 12 31	80 21 54	.50	.05	<.10	>2.00	200	N	N	N	<20	<50
8OK017N	35 12 8	80 19 51	1.00	.15	<.10	>2.00	200	N	N	>1,000	<20	70
8OK018N	35 11 48	80 19 44	1.00	.15	.10	>2.00	200	N	N	N	<20	50
8OK019N	35 10 52	80 19 27	1.00	.15	<.10	>2.00	300	N	N	N	<20	300
8OK020N	35 10 56	80 21 24	1.50	.15	<.10	>2.00	300	N	N	N	20	70
8OK021N	35 9 54	80 20 42	1.00	.07	<.10	>2.00	300	N	N	N	<20	100
8OK022N	35 14 52	80 19 15	.30	.05	N	>2.00	150	N	N	N	<20	<50
8OK023N	35 13 50	80 18 8	3.00	1.00	.50	>2.00	500	N	N	N	100	100
8OK024N	35 13 28	80 22 21	30.00	.30	.30	2.00	5,000	N	N	N	<20	N
8OK025N	35 9 31	80 19 45	20.00	1.50	.20	1.00	3,000	N	N	N	30	1,000
8OK026N	35 8 36	80 20 50	30.00	1.00	.20	.50	2,000	N	N	N	200	200
8OK027N	35 8 49	80 22 18	20.00	.30	.15	.30	1,500	N	N	N	50	300
8OK028N	35 8 10	80 16 37	20.00	1.00	.15	.30	1,500	N	N	N	20	150
8OK029N	35 14 55	80 15 12	30.00	1.00	.30	2.00	5,000	N	1,000	N	<20	200
8ST002N	35 13 45	80 23 5	1.00	.05	.10	>2.00	500	20	N	N	300	100
8ST003N	35 13 32	80 23 32	.70	.05	.15	>2.00	200	N	N	N	20	150
8ST004N	35 13 4	80 22 31	1.00	.10	.10	>2.00	700	N	N	N	30	200
8ST005N	35 12 19	80 22 56	.70	.05	<.10	>2.00	300	N	N	N	70	150
8ST006N	35 11 38	80 22 37	1.00	.20	.15	>2.00	700	N	N	N	50	200
8ST007N	35 10 32	80 26 10	1.50	.30	.15	>2.00	1,000	N	N	N	70	300
8ST008N	35 10 35	80 27 34	1.50	.20	.10	>2.00	1,000	N	N	N	100	300
8ST009N	35 11 3	80 28 41	.70	.07	.10	>2.00	300	N	N	N	30	200
8ST010N	35 11 19	80 25 6	.20	.05	.15	>2.00	200	N	N	N	<20	N
8ST011N	35 11 44	80 25 19	1.00	.15	.15	>2.00	700	N	N	N	70	500
8ST012N	35 12 24	80 25 57	.50	<.05	.10	>2.00	150	N	N	50	30	50
8ST013N	35 12 57	80 26 26	.70	.05	.70	>2.00	200	N	N	N	50	100
8ST014N	35 12 59	80 26 38	1.50	<.05	1.50	>2.00	300	N	N	N	20	100
8ST015N	35 14 0	80 25 58	.70	.05	<.10	>2.00	150	N	N	N	70	150
8ST016N	35 14 6	80 28 6	.50	.05	<.10	>2.00	200	N	N	N	30	100
8ST017N	35 10 0	80 28 31	1.00	.15	.20	>2.00	700	N	N	N	30	300
8ST018N	35 10 4	80 28 54	1.00	.15	.20	>2.00	500	N	N	N	20	200
8ST019N	35 7 41	80 29 38	1.00	.07	<.10	>2.00	500	N	N	N	50	200
8ST020N	35 7 52	80 28 15	1.50	.10	.10	>2.00	500	N	N	N	30	300
8ST021N	35 8 38	80 27 22	1.00	.15	<.10	>2.00	700	N	N	N	50	300
8ST022N	35 7 50	80 26 31	.70	.05	<.10	>2.00	500	N	N	N	20	100
8ST023N	35 9 33	80 23 43	.70	.05	<.10	>2.00	500	N	N	N	20	150
8ST024N	35 7 52	80 23 23	.70	.07	<.10	>2.00	700	N	N	N	20	300
8W001N	35 6 59	80 27 48	.50	.10	<.10	>2.00	200	N	N	N	<20	200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-2--Continued						
80K009N	5	N	N	15	100	70	500	N	<50	<10	700
80K010N	200	N	N	20	150	N	100	N	50	<10	50
80K011N	7	N	N	30	100	150	150	N	100	50	150
80K012N	5	N	N	20	50	N	200	N	70	<10	200
80K013N	3	N	N	20	100	100	300	N	100	<10	3,000
80K014N	50	N	N	<10	70	N	50	N	50	<10	N
80K015N	10	N	N	20	100	100	<50	N	70	<10	150
80K016N	5	N	N	20	50	N	<50	N	50	<10	1,000
80K017N	10	N	N	20	50	70	100	N	100	<10	70
80K018N	3	N	N	20	70	100	<50	N	100	<10	N
80K019N	5	N	N	15	50	N	<50	N	50	<10	N
80K020N	5	N	N	15	50	50	100	N	50	<10	100
80K021N	3	N	N	15	50	N	200	N	<50	<10	N
80K022N	5	N	N	20	50	70	<50	N	70	<10	30
80K023N	3	N	N	20	500	N	500	N	100	<10	50
80K024N	3	N	N	70	100	50	500	N	<50	70	<20
80K025N	7	N	N	50	500	50	50	N	N	150	50
80K026N	10	N	N	30	1,500	50	50	10	N	200	20
80K027N	15	N	N	20	500	30	<50	N	N	70	30
80K028N	7	N	N	20	1,000	50	<50	N	N	100	50
80K029N	7	N	N	50	700	100	100	N	50	100	50
8ST002N	2	N	N	15	150	10	100	N	<50	<10	500
8ST003N	5	N	N	20	100	10	50	N	100	<10	30
8ST004N	5	N	N	20	100	10	70	N	100	<10	30
8ST005N	5	N	N	15	70	10	200	N	100	<10	20
8ST006N	7	N	N	20	100	10	500	N	150	<10	100
8ST007N	7	N	N	20	200	10	500	N	50	<10	70
8ST008N	7	N	N	20	150	15	300	N	50	<10	30
8ST009N	5	N	N	20	100	10	100	N	<50	<10	20
8ST010N	<2	N	N	10	20	10	300	N	100	<10	200
8ST011N	5	N	N	20	150	10	300	N	70	<10	150
8ST012N	300	N	N	10	100	10	N	N	50	<10	100
8ST013N	5	N	N	15	100	10	200	N	50	<10	1,500
8ST014N	N	N	N	20	50	N	200	N	<50	<10	300
8ST015N	3	N	N	20	100	15	70	N	70	<10	30
8ST016N	3	N	N	15	100	10	N	N	50	<10	20
8ST017N	5	N	N	20	150	10	70	N	50	<10	50
8ST018N	3	N	N	15	150	10	50	N	<50	<10	20
8ST019N	5	N	N	20	150	10	50	N	200	<10	30
8ST020N	7	N	N	20	150	10	50	N	200	<10	20
8ST021N	7	N	N	20	150	10	100	N	200	<10	50
8ST022N	3	N	N	20	100	10	100	N	150	<10	50
8ST023N	2	N	N	20	70	10	70	N	70	<10	20
8ST024N	5	N	N	20	100	10	200	N	100	<10	50
8W001N	70	N	N	20	150	15	50	N	70	<10	500

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-2--Continued					
8OK009N	N	30	<20	500	200	N	300	N	>2,000	N
8OK010N	N	50	500	<200	200	N	300	N	>2,000	N
8OK011N	N	30	N	200	150	N	200	N	>2,000	N
8OK012N	N	20	500	200	200	N	500	N	>2,000	N
8OK013N	N	30	500	200	200	N	300	N	>2,000	N
8OK014N	N	100	150	<200	200	N	700	1,000	>2,000	N
8OK015N	N	100	300	<200	300	N	500	N	>2,000	N
8OK016N	N	30	300	N	100	N	200	N	>2,000	N
8OK017N	N	30	N	<200	150	N	300	N	>2,000	N
8OK018N	N	50	N	<200	150	N	200	1,000	>2,000	N
8OK019N	N	30	N	<200	150	N	200	N	>2,000	N
8OK020N	N	30	N	<200	150	N	300	N	>2,000	N
8OK021N	N	50	300	300	200	N	200	N	>2,000	N
8OK022N	N	50	200	<200	150	N	150	N	>2,000	N
8OK023N	N	30	N	<200	200	N	500	N	>2,000	N
8OK024N	N	N	N	N	500	N	700	1,000	>2,000	N
8OK025N	N	N	N	N	500	N	100	N	1,000	N
8OK026N	N	N	N	N	1,000	N	N	N	70	N
8OK027N	N	N	N	N	1,000	N	N	N	70	N
8OK028N	N	N	N	N	500	N	N	N	50	N
8OK029N	N	N	N	N	500	N	500	700	1,000	N
8ST002N	N	70	700	200	200	N	700	N	>2,000	N
8ST003N	N	100	50	<200	300	N	700	N	>2,000	N
8ST004N	N	50	50	<200	300	N	500	N	>2,000	N
8ST005N	N	30	N	<200	200	N	500	N	>2,000	N
8ST006N	N	20	200	200	300	N	300	N	>2,000	N
8ST007N	N	50	300	<200	300	N	500	N	>2,000	N
8ST008N	N	50	N	<200	300	N	500	N	>2,000	N
8ST009N	N	100	150	<200	300	N	700	N	>2,000	N
8ST010N	N	10	N	<200	100	N	150	N	>2,000	N
8ST011N	N	50	50	200	200	N	500	N	>2,000	N
8ST012N	N	100	700	<200	200	N	700	N	>2,000	N
8ST013N	N	100	50	<200	200	N	700	N	>2,000	N
8ST014N	N	30	N	<200	70	N	500	N	>2,000	N
8ST015N	N	50	N	<200	200	N	500	N	>2,000	N
8ST016N	N	50	N	<200	200	N	500	N	>2,000	N
8ST017N	N	30	N	<200	300	N	500	N	>2,000	N
8ST018N	N	30	N	<200	200	N	500	N	>2,000	N
8ST019N	N	30	N	<200	200	N	500	N	>2,000	N
8ST020N	N	50	N	<200	200	N	500	N	>2,000	N
8ST021N	N	30	N	<200	300	N	200	N	>2,000	N
8ST022N	N	50	30	<200	200	N	300	N	>2,000	N
8ST023N	N	50	100	<200	200	N	300	N	>2,000	N
8ST024N	N	30	N	<200	200	N	200	N	>2,000	N
8WO01N	N	70	100	<200	100	N	150	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-2--Continued							
8W002N	35 6 41	80 28 8	.50	.10	.10	>2.00	200	N	N	N	<20	150
8W003N	35 7 15	80 29 46	.50	.10	<.10	>2.00	150	N	N	N	30	150
8W004N	35 4 26	80 28 45	.50	.10	.10	>2.00	100	N	N	N	20	300
8W005N	35 4 53	80 28 13	.30	.10	.10	>2.00	70	N	N	N	20	200
8W006N	35 0 29	80 29 0	.50	.05	<.10	>2.00	150	N	N	N	<20	200
8W007N	35 1 25	80 26 51	.50	.15	<.10	>2.00	100	N	N	N	20	200
8W008N	35 0 8	80 26 41	.50	.07	<.10	>2.00	150	N	N	N	<20	100
8W009N	35 0 18	80 24 41	.50	.10	<.10	>2.00	200	N	N	N	<20	150
8W010N	35 2 40	80 23 39	.50	.10	<.10	>2.00	150	N	N	N	<20	150
8W012N	35 3 21	80 26 39	.50	.10	<.10	>2.00	150	N	N	N	70	150
8W013N	35 3 22	80 27 53	.50	.20	.10	>2.00	150	N	N	N	20	150
8W014N	35 5 27	80 26 48	.70	.10	1.50	>2.00	500	N	N	N	20	100
8W015N	35 4 35	80 25 46	.70	.70	.20	>2.00	300	N	N	N	<20	300
8W016N	35 4 49	80 24 35	.50	.07	.10	>2.00	300	2	N	N	<20	150
8W017N	35 4 2	80 24 21	.50	.50	.10	>2.00	200	N	N	N	20	300
8W018N	35 6 9	80 24 19	.50	.10	.10	>2.00	150	N	N	N	<20	100
8W020N	35 3 20	80 26 38	.70	.05	.10	>2.00	200	N	N	N	20	100
8W022N	35 6 37	80 22 51	1.00	.10	<.10	>2.00	300	N	N	N	30	70
8W024N	35 2 10	80 23 58	1.00	.10	<.10	>2.00	200	N	N	N	<20	50
8W027N	35 2 52	80 26 25	1.00	.05	<.10	>2.00	300	N	N	N	<20	50
8W028N	35 4 31	80 25 52	1.00	.07	.10	>2.00	200	N	N	N	<20	<50
					A-3							
8BK001N	35 3 12	80 37 28	2.00	.10	N	>2.00	150	N	N	N	50	100
8BK002N	35 7 29	80 36 11	3.00	.05	.20	>2.00	200	7	N	<20	30	100
8BK003N	35 6 7	80 35 1	1.50	.07	N	>2.00	150	N	N	N	30	100
8BK004N	35 4 26	80 35 10	1.00	.07	N	>2.00	100	N	N	N	30	100
8BK005N	35 3 51	80 36 13	1.00	.20	<.10	>2.00	150	N	N	N	50	150
8BK006N	35 2 38	80 35 29	2.00	.15	N	>2.00	200	N	N	N	50	150
8BK007N	35 1 59	80 35 45	2.00	.05	N	>2.00	150	N	N	N	50	200
8BK008N	35 1 27	80 36 18	1.50	.05	<.10	>2.00	200	N	N	N	200	200
8BK009N	35 0 11	80 36 36	1.00	.05	N	>2.00	150	N	N	N	20	300
8BK010N	35 0 48	80 32 38	1.00	.10	<.10	>2.00	150	N	N	N	20	300
8BK011N	35 0 49	80 32 41	1.50	.07	.10	>2.00	200	N	N	N	30	200
8BK012N	35 2 3	80 33 32	1.50	.10	<.10	>2.00	150	N	N	N	30	200
8BK013N	35 1 16	80 33 35	1.50	.10	N	>2.00	150	N	N	N	30	150
8BK014N	35 2 10	80 34 47	1.00	.05	.20	>2.00	200	N	N	N	20	150
8BK015N	35 1 47	80 33 46	1.00	.10	<.10	>2.00	200	2	N	20	50	300
8BK016N	35 2 53	80 34 8	2.00	.07	N	>2.00	100	N	N	N	50	150
8BK017N	35 5 19	80 34 2	1.00	.10	N	>2.00	150	N	N	20	30	150
8BK018N	35 5 20	80 32 46	1.00	.07	N	>2.00	70	N	N	N	50	150
8BK019N	35 5 17	80 33 30	1.50	.10	N	>2.00	150	2	N	N	50	150
8BK020N	35 3 38	80 32 29	1.50	.07	<.10	>2.00	150	N	N	N	50	150

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-2--Continued						
8W002N	2	N	N	20	150	10	50	N	100	<10	70
8W003N	3	N	N	30	150	10	70	N	70	10	70
8W004N	5	N	N	20	100	10	50	N	70	<10	30
8W005N	5	N	N	20	150	150	50	N	70	<10	50
8W006N	2	N	N	30	200	10	<50	N	100	<10	70
8W007N	<2	N	N	20	200	15	50	N	70	<10	50
8W008N	2	N	N	30	200	50	50	N	50	<10	150
8W009N	10	N	N	20	150	10	<50	N	50	<10	70
8W010N	2	N	N	30	150	10	<50	N	50	<10	70
8W012N	<2	N	N	30	200	150	50	N	70	<10	500
8W013N	2	N	N	30	200	<10	50	N	50	<10	70
8W014N	2	N	<50	15	150	500	50	N	50	<10	200
8W015N	2	N	N	20	300	10	70	N	50	<10	70
8W016N	<2	N	N	20	150	20	50	N	50	<10	3,000
8W017N	2	N	N	30	100	10	<50	N	50	<10	50
8W018N	<2	N	N	20	200	<10	<50	N	50	<10	50
8W020N	2	N	N	20	50	15	50	N	200	10	30
8W022N	2	N	N	50	30	20	N	N	150	10	20
8W024N	<2	N	N	20	20	10	N	N	150	10	<20
8W027N	2	N	N	30	30	15	N	N	150	15	100
8W028N	2	N	N	20	50	10	N	N	200	15	1,000
					A-3--Continued						
8BK001N	N	N	N	N	150	20	N	N	150	N	30
8BK002N	N	N	N	N	150	700	N	N	100	N	500
8BK003N	2	N	N	N	150	200	N	N	50	N	500
8BK004N	30	N	N	N	150	10	N	N	100	N	70
8BK005N	2	N	N	N	150	20	N	N	100	N	500
8BK006N	3	N	N	N	150	15	70	N	200	N	30
8BK007N	3	N	N	N	200	150	50	N	100	N	70
8BK008N	100	N	N	N	200	100	50	N	200	N	150
8BK009N	5	N	N	N	200	70	N	N	150	N	500
8BK010N	3	N	100	N	150	200	N	N	200	50	1,000
8BK011N	3	N	50	N	150	200	50	N	150	N	150
8BK012N	3	N	N	N	150	300	N	N	100	N	50
8BK013N	2	N	N	N	150	10	N	N	150	N	150
8BK014N	3	N	N	N	150	15	N	N	150	N	300
8BK015N	7	N	N	N	150	10	N	N	150	N	70
8BK016N	2	N	N	N	150	10	N	N	100	N	100
8BK017N	2	N	N	N	150	1,000	N	N	150	N	500
8BK018N	2	N	N	N	150	10	N	N	150	N	70
8BK019N	5	N	N	N	150	<10	50	N	100	N	30
8BK020N	2	N	N	N	200	10	N	N	50	N	100

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-2--Continued					
8W002N	N	70	100	<200	100	N	150	N	>2,000	N
8W003N	N	30	N	<200	100	N	200	N	>2,000	N
8W004N	N	30	N	<200	100	N	100	N	500	N
8W005N	N	50	150	<200	150	100	100	N	>2,000	N
8W006N	N	30	70	<200	70	N	50	N	2,000	N
8W007N	N	20	N	<200	70	N	30	N	200	N
8W008N	N	30	N	<200	70	N	50	N	150	N
8W009N	N	20	20	<200	70	N	50	N	300	N
8W010N	N	30	<20	<200	50	N	50	N	500	N
8W012N	N	30	100	<200	50	N	100	N	700	N
8W013N	N	30	20	<200	50	N	150	N	700	N
8W014N	N	20	20	1,000	70	N	70	N	2,000	N
8W015N	N	30	20	<200	50	N	70	N	2,000	N
8W016N	N	30	700	<200	70	N	70	N	>2,000	N
8W017N	N	30	N	<200	70	N	70	N	200	N
8W018N	N	30	50	<200	50	N	70	N	>2,000	N
8W020N	N	15	200	<200	100	N	100	700	>2,000	N
8W022N	N	15	70	N	150	N	50	N	700	N
8W024N	N	15	N	N	100	N	50	N	1,000	N
8W027N	N	10	700	N	150	N	30	N	700	N
8W028N	N	15	N	N	100	N	70	700	>2,000	N
					A-3--Continued					
8BK001N	N	20	20	N	200	N	70	N	>2,000	N
8BK002N	N	30	30	N	200	N	200	N	>2,000	N
8BK003N	N	30	1,000	N	200	N	300	N	>2,000	N
8BK004N	N	20	70	N	150	N	150	N	>2,000	N
8BK005N	N	20	20	N	200	N	150	N	>2,000	N
8BK006N	N	30	20	N	200	N	150	N	2,000	N
8BK007N	N	30	300	N	200	N	150	N	>2,000	N
8BK008N	N	20	50	N	150	N	100	N	>2,000	N
8BK009N	N	20	300	N	150	N	150	N	>2,000	N
8BK010N	N	20	700	N	200	N	150	3,000	>2,000	N
8BK011N	N	50	<20	N	200	N	150	5,000	2,000	N
8BK012N	N	30	50	N	150	N	200	N	>2,000	N
8BK013N	N	20	30	N	200	N	150	N	2,000	N
8BK014N	N	30	700	N	200	N	150	N	>2,000	N
8BK015N	N	50	100	N	200	N	200	N	>2,000	N
8BK016N	N	30	70	N	200	N	200	N	>2,000	N
8BK017N	N	30	20	N	200	N	200	N	>2,000	N
8BK018N	N	20	200	N	150	N	100	N	2,000	N
8BK019N	N	20	30	N	200	N	150	N	500	N
8BK020N	N	20	300	N	150	N	150	N	2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-3--Continued							
8BK021N	35 3 11	80 32 11	1.00	.07	N	>2.00	100	2	N	N	50	200
8BK022N	35 3 15	80 33 48	1.50	.10	<.10	>2.00	150	3	N	N	70	200
8BK023N	35 1 52	80 31 45	1.00	.07	N	>2.00	100	N	N	N	30	200
8BK024N	35 1 29	80 30 44	2.00	.07	<.10	>2.00	200	N	N	N	50	300
8BK025N	35 4 48	80 30 12	1.50	.10	.10	>2.00	150	N	N	N	50	200
8BK026N	35 4 37	80 30 23	1.50	.07	<.10	>2.00	150	N	N	N	50	200
8BK027N	35 6 57	80 35 14	1.00	.05	.15	>2.00	150	300	N	>1,000	30	150
8BK028N	35 6 46	80 31 50	2.00	.15	<.10	>2.00	200	N	N	N	70	300
8BK029N	35 6 41	80 30 24	1.50	.10	N	>2.00	200	N	N	N	50	200
8BK030N	35 6 32	80 30 21	1.50	.07	<.10	>2.00	150	N	N	N	50	200
8BK031N	35 5 47	80 30 25	1.00	.05	<.10	>2.00	100	N	N	N	50	150
8CC004N	35 15 0	80 35 37	2.00	.70	3.00	>2.00	700	N	N	N	20	70
8MA001N	35 6 9	80 43 59	.30	.05	.20	>2.00	700	N	N	N	20	100
8MA002N	35 6 20	80 43 48	1.00	.05	.20	>2.00	2,000	N	N	N	20	100
8MA003N	35 6 26	80 44 12	.50	.07	1.00	>2.00	500	20	N	500	20	150
8MA004N	35 4 14	80 42 38	.70	<.05	<.10	>2.00	2,000	N	N	50	20	100
8MA005N	35 2 42	80 42 31	.70	<.05	<.10	>2.00	2,000	N	N	N	20	100
8MA006N	35 1 53	80 43 5	1.00	<.05	<.10	>2.00	3,000	N	N	N	20	100
8MA007N	35 0 32	80 43 53	.50	<.05	.15	>2.00	200	N	N	N	20	100
8MA009N	35 0 13	80 43 24	.50	.05	.10	>2.00	200	N	N	N	20	100
8MA009N	35 0 13	80 43 24	1.00	.05	.10	>2.00	5,000	N	N	N	20	70
8MA010N	35 0 16	80 43 2	1.00	<.05	<.10	>2.00	1,500	N	N	N	<20	100
8MA011N	35 0 31	80 41 11	1.00	.10	<.10	>2.00	200	N	N	N	<20	100
8MA012N	35 0 34	80 39 42	.70	.10	<.10	>2.00	200	N	N	N	20	150
8MA013N	35 0 16	80 38 39	1.00	.10	<.10	>2.00	500	N	N	N	20	150
8MA014N	35 1 22	80 38 27	.70	.07	.10	>2.00	150	N	N	N	20	100
8MA015N	35 1 12	80 39 22	.50	.05	<.10	>2.00	100	20	N	200	20	100
8MA016N	35 2 20	80 41 12	.30	.05	<.10	>2.00	150	30	N	700	<20	100
8MA017N	35 6 32	80 42 42	.50	.05	.30	>2.00	500	2	N	70	<20	100
8MA018N	35 6 10	80 42 23	.20	.05	.30	>2.00	100	N	N	20	50	100
8MA019N	35 4 22	80 41 21	.50	<.05	.15	>2.00	300	N	N	N	20	150
8MA020N	35 3 34	80 41 27	.30	.05	<.10	>2.00	200	N	N	N	<20	150
8MA021N	35 3 6	80 40 30	.30	.05	.10	>2.00	200	N	N	20	20	300
8MA022N	35 1 31	80 42 24	.70	<.05	<.10	>2.00	2,000	N	N	20	<20	50
8MA023N	35 1 59	80 40 39	.30	.07	.10	>2.00	200	N	N	N	<20	100
8MA024N	35 1 56	80 38 22	.70	.15	.10	>2.00	300	N	N	N	20	150
8MA025N	35 4 9	80 37 49	.20	.05	<.10	>2.00	150	N	N	N	20	200
8MA026N	35 4 44	80 38 32	.50	.05	.10	>2.00	150	N	N	N	20	100
8MA027N	35 4 46	80 39 13	.15	.05	<.10	>2.00	150	N	N	N	<20	100
8MA028N	35 4 27	80 40 33	.20	.10	<.10	>2.00	150	N	N	N	<20	300
8MA029N	35 6 23	80 37 57	.15	.05	<.10	>2.00	100	N	N	50	20	150
8MA031N	35 6 37	80 40 23	.20	<.05	.20	>2.00	150	50	N	>1,000	20	100
8MA032N	35 7 35	80 39 48	.20	<.05	.15	.50	150	N	N	N	N	<50
8MD001N	35 13 16	80 34 33	5.00	.05	1.00	>2.00	150	200	5,000	1,000	<20	10,000
8MD002N	35 13 40	80 34 10	.50	.05	.20	>2.00	200	N	N	30	20	1,500

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-3--Continued						
8BK021N	3	N	N	N	150	10	N	N	200	N	500
8BK022N	5	N	N	N	150	10	N	N	150	N	100
8BK023N	2	N	N	N	150	10	N	N	100	N	200
8BK024N	3	N	N	N	150	20	N	N	150	N	500
8BK025N	3	N	N	N	150	500	50	N	150	N	100
8BK026N	2	N	N	N	150	200	<50	N	100	N	200
8BK027N	2	N	N	N	150	15	50	N	70	N	70
8BK028N	7	N	N	N	150	10	<50	N	150	N	50
8BK029N	5	N	N	N	150	10	70	N	100	N	50
8BK030N	2	N	N	N	150	200	N	N	100	N	50
8BK031N	N	N	<50	N	100	20	N	N	100	N	1,000
8CC004N	N	N	N	10	50	<10	100	50	<50	<10	20
8MA001N	2	N	N	15	100	30	100	N	100	N	200
8MA002N	N	N	N	20	50	10	<50	N	150	N	20
8MA003N	N	N	N	10	50	50	50	N	150	<10	<20
8MA004N	N	N	N	<10	30	10	50	N	100	N	<20
8MA005N	2	N	N	15	70	50	50	N	200	<10	70
8MA006N	<2	N	N	10	70	<10	70	N	300	10	30
8MA007N	N	N	N	10	50	10	150	N	500	10	50
8MA009N	3	N	N	15	50	N	300	N	300	N	100
8MA009N	N	N	N	10	50	50	2,000	N	150	<10	30
8MA010N	N	200	N	30	50	<10	70	N	200	10	20
8MA011N	3	N	N	20	100	10	70	N	200	15	20
8MA012N	5	N	N	20	150	15	50	N	150	15	20
8MA013N	7	N	N	30	150	20	50	N	150	15	50
8MA014N	2	N	N	20	150	15	50	N	150	15	300
8MA015N	3	N	N	30	150	300	50	N	200	15	70
8MA016N	3	N	N	20	150	10	50	N	150	10	200
8MA017N	N	N	N	20	50	200	50	N	70	N	70
8MA018N	N	N	N	15	50	15	70	N	100	N	<20
8MA019N	2	N	N	15	100	<10	50	N	150	<10	50
8MA020N	3	N	N	20	100	10	50	N	100	<10	30
8MA021N	3	N	N	20	100	10	<50	N	200	10	30
8MA022N	N	N	N	10	50	<10	50	N	150	<10	<20
8MA023N	5	N	N	20	200	10	50	N	200	20	30
8MA024N	2	N	N	20	70	10	<50	N	200	20	<20
8MA025N	2	N	N	15	100	200	50	N	300	<10	1,500
8MA026N	3	N	N	20	150	10	<50	N	200	10	50
8MA027N	3	N	N	20	50	<10	50	N	200	10	200
8MA028N	3	N	N	20	50	<10	100	N	500	10	20
8MA029N	<2	N	N	20	70	500	70	N	300	<10	200
8MA031N	200	N	N	15	50	15	<50	N	100	N	200
8MA032N	N	N	N	N	20	10	N	N	N	N	<20
8MD001N	<2	N	500	150	70	30	100	N	150	50	3,000
8MD002N	<2	N	N	20	200	70	50	N	70	<10	1,500

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-3--Continued					
8BK021N	N	30	50	N	150	N	100	N	>2,000	N
8BK022N	N	30	50	N	200	N	200	N	>2,000	N
8BK023N	N	20	100	N	150	N	150	N	2,000	N
8BK024N	N	30	N	N	100	N	100	N	>2,000	N
8BK025N	N	20	700	N	150	N	150	N	>2,000	N
8BK026N	N	20	500	N	150	N	150	N	>2,000	N
8BK027N	N	30	70	N	200	N	300	N	>2,000	N
8BK028N	N	20	70	N	300	N	200	N	2,000	N
8BK029N	N	20	50	N	150	N	500	N	>2,000	N
8BK030N	N	20	100	N	150	N	200	N	>2,000	N
8BK031N	N	10	1,500	N	100	N	100	2,000	>2,000	N
8CC004N	N	30	100	500	200	N	200	N	>2,000	N
8MA001N	N	100	500	N	200	N	200	N	>2,000	N
8MA002N	N	100	200	N	150	N	300	N	>2,000	N
8MA003N	N	70	N	N	150	N	500	N	>2,000	N
8MA004N	N	100	200	N	100	N	500	N	>2,000	N
8MA005N	N	100	150	N	150	N	300	N	>2,000	N
8MA006N	N	100	N	N	150	<100	300	N	>2,000	2,000
8MA007N	N	70	N	N	100	N	300	N	>2,000	1,000
8MA009N	N	100	N	N	100	N	700	N	>2,000	5,000
8MA009N	N	50	20	N	100	N	500	N	>2,000	1,000
8MA010N	N	70	100	N	100	N	500	N	>2,000	500
8MA011N	N	20	N	N	150	N	50	N	>2,000	N
8MA012N	N	30	<20	N	150	N	50	N	>2,000	N
8MA013N	N	50	200	N	150	N	50	N	>2,000	N
8MA014N	N	50	N	N	200	N	70	N	>2,000	N
8MA015N	N	70	100	N	200	N	150	N	>2,000	N
8MA016N	N	70	70	N	200	N	100	N	>2,000	N
8MA017N	N	70	500	N	150	N	200	N	>2,000	N
8MA018N	N	70	N	N	100	N	300	N	>2,000	N
8MA019N	N	100	200	N	150	N	300	N	>2,000	N
8MA020N	N	100	50	N	150	N	300	N	>2,000	N
8MA021N	N	70	200	N	200	N	150	N	>2,000	N
8MA022N	N	70	150	N	100	N	300	N	>2,000	N
8MA023N	N	70	50	N	200	<100	100	N	>2,000	N
8MA024N	N	20	N	N	200	N	50	N	>2,000	N
8MA025N	N	70	150	N	200	N	200	N	>2,000	N
8MA026N	N	70	N	N	200	N	100	N	>2,000	N
8MA027N	N	70	30	N	150	N	150	N	>2,000	N
8MA028N	N	50	30	N	150	N	300	N	>2,000	N
8MA029N	N	70	50	N	200	N	300	N	>2,000	N
8MA031N	N	100	200	N	150	N	300	N	>2,000	N
8MA032N	N	<10	<20	N	20	N	20	N	>2,000	N
8MD001N	N	50	70	500	200	N	500	N	>2,000	N
8MD002N	N	70	1,000	300	200	N	500	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-3--Continued							
8MD003N	35 12 32	80 34 47	1.00	.05	.50	>2.00	200	N	N	50	30	300
8MD004N	35 12 27	80 34 49	.30	<.05	.20	>2.00	300	N	N	50	<20	100
8MD005N	35 12 58	80 32 41	.30	.05	.20	>2.00	200	N	N	N	<20	70
8MD006N	35 12 18	80 33 19	.30	.07	.10	>2.00	100	N	N	N	<20	70
8MD007N	35 11 40	80 36 29	.10	<.05	.10	>2.00	100	N	N	N	<20	50
8MD008N	35 10 8	80 36 3	.20	.05	.30	>2.00	200	N	N	N	<20	50
8MD009N	35 9 0	80 36 2	.20	<.05	.10	>2.00	150	N	N	N	<20	50
8MD010N	35 7 54	80 35 38	.20	.05	.10	>2.00	150	5	N	N	<20	50
8MD011N	35 7 38	80 34 54	.50	.10	.10	>2.00	150	5	N	N	<20	50
8MD012N	35 10 10	80 34 45	.30	.07	<.10	>2.00	150	5	N	N	<20	100
8MD013N	35 10 14	80 34 46	.50	.20	.20	>2.00	200	N	N	N	<20	100
8MD014N	35 9 43	80 34 27	.50	.10	.10	>2.00	100	N	N	N	20	70
8MT001N	35 8 27	80 39 31	.30	<.05	.30	>2.00	200	10	N	100	20	100
8MT002N	35 8 48	80 39 5	.20	<.05	.20	>2.00	150	2	N	30	20	70
8MT003N	35 7 51	80 37 54	.20	<.05	.10	>2.00	150	10	N	100	20	70
8MT004N	35 8 3	80 43 2	.20	1.00	.15	>2.00	70	N	N	N	20	70
8MT005N	35 9 30	80 42 45	.20	<.05	.15	2.00	70	15	N	200	20	50
8MT006N	35 9 46	80 43 54	.20	<.05	.15	>2.00	70	N	N	N	20	200
8MT007N	35 9 51	80 44 16	.30	<.05	.20	>2.00	100	N	N	N	30	70
8MT008N	35 9 24	80 44 25	.15	<.05	.10	1.00	70	20	N	1,000	20	70
8MT009N	35 11 13	80 44 13	1.00	<.05	.15	>2.00	100	1	N	20	20	70
8MT010N	35 12 12	80 44 28	.50	<.05	.50	>2.00	100	N	N	N	20	150
8MT011N	35 10 34	80 43 8	.20	<.05	.20	>2.00	100	N	N	N	20	70
8MT012N	35 9 39	80 41 56	.50	<.05	.15	>2.00	100	15	N	200	20	70
8MT013N	35 9 37	80 41 53	.70	.05	.20	>2.00	150	N	N	<20	20	50
8MT014N	35 7 45	80 42 28	.20	<.05	.20	>2.00	70	N	N	N	20	50
8MT015N	35 9 59	80 41 22	.20	<.05	.20	>2.00	100	15	N	>1,000	20	50
8MT016N	35 11 39	80 42 15	.15	<.05	.20	2.00	70	1	N	20	20	70
8MT017N	35 11 37	80 42 12	.30	.05	.70	>2.00	150	70	N	700	20	50
8MT018N	35 10 46	80 40 36	.20	<.05	.15	>2.00	100	2	N	20	20	70
8MT019N	35 10 38	80 39 42	.50	<.05	.50	>2.00	100	100	N	>1,000	20	50
8MT020N	35 9 2	80 38 34	.30	<.05	.30	>2.00	150	70	N	>1,000	20	50
8MT021N	35 8 58	80 38 6	.20	<.05	.10	>2.00	150	70	N	>1,000	20	50
8MT022N	35 12 11	80 38 1	.20	<.05	.10	>2.00	100	10	N	200	20	50
8MT023N	35 12 16	80 38 4	.15	<.05	.10	>2.00	70	2	N	500	20	70
8MT024N	35 14 27	80 43 2	.15	<.05	.30	2.00	70	3	N	100	20	50
8MT025N	35 14 29	80 43 3	.10	<.05	.15	1.50	50	5	N	70	20	100
8MT026N	35 14 34	80 41 1	.15	<.05	.20	1.50	50	N	N	N	20	50
8MT027N	35 13 31	80 39 53	.30	.05	.70	>2.00	100	N	N	N	20	70
8MT028N	35 12 27	80 38 47	.20	<.05	.10	2.00	70	N	N	N	20	70

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-3--Continued						
8MD003N	2	N	<50	20	100	N	100	N	200	<10	200
8MD004N	<2	N	N	20	50	N	50	N	200	<10	20
8MD005N	<2	50	N	20	50	50	50	N	200	100	20
8MD006N	<2	N	N	20	100	30	50	N	150	<10	20
8MD007N	5	N	N	20	30	N	50	N	200	<10	20
8MD008N	<2	N	50	30	70	<10	50	N	150	<10	50
8MD009N	2	N	N	20	70	N	<50	N	150	<10	30
8MD010N	3	N	N	20	100	N	<50	N	150	<10	100
8MD011N	2	N	N	30	100	N	<50	N	100	<10	50
8MD012N	2	N	N	30	70	N	<50	N	100	<10	70
8MD013N	<2	N	N	30	150	N	<50	N	150	<10	100
8MD014N	<2	N	N	20	200	70	<50	N	150	<10	50
8MT001N	5	N	N	10	50	15	100	N	100	<10	30
8MT002N	2	N	N	20	30	15	50	N	100	<10	30
8MT003N	N	N	N	20	30	<10	50	N	150	N	<20
8MT004N	N	N	N	10	50	10	50	N	70	N	20
8MT005N	N	N	N	15	<20	15	50	N	<50	N	700
8MT006N	N	N	N	15	30	30	50	20	70	N	70
8MT007N	15	N	N	15	20	15	50	N	50	N	1,000
8MT008N	N	N	N	N	<20	15	50	N	N	<10	50
8MT009N	N	N	N	100	20	15	70	N	70	10	1,000
8MT010N	N	N	N	50	20	10	50	N	100	<10	700
8MT011N	N	N	N	10	<20	<10	<50	N	50	N	700
8MT012N	N	N	N	15	N	15	<50	N	70	N	50
8MT013N	N	N	N	15	N	15	<50	N	50	N	200
8MT014N	N	N	N	10	<20	10	50	N	50	N	30
8MT015N	N	N	N	10	<20	15	70	N	100	N	20
8MT016N	N	50	N	10	<20	10	70	N	50	N	<20
8MT017N	N	N	N	15	N	10	70	N	50	N	30
8MT018N	N	N	N	20	<20	<10	50	N	200	N	20
8MT019N	30	N	N	30	<20	30	70	N	100	<10	200
8MT020N	N	N	N	15	N	15	50	N	150	N	50
8MT021N	N	N	N	20	N	10	50	N	300	N	<20
8MT022N	N	N	N	20	N	15	50	N	200	N	700
8MT023N	N	N	N	15	N	N	50	N	100	N	1,000
8MT024N	N	N	N	10	<20	10	50	N	<50	N	70
8MT025N	N	N	N	10	30	10	300	N	50	N	20
8MT026N	N	N	N	<10	<20	<10	50	N	N	N	<20
8MT027N	N	N	N	30	20	15	50	N	100	N	30
8MT028N	N	N	N	N	20	50	50	N	50	N	30

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-3--Continued					
8MD003N	N	70	150	N	200	N	500	1,000	>2,000	N
8MD004N	N	100	N	N	200	N	700	N	>2,000	N
8MD005N	N	70	200	200	200	150	500	N	>2,000	N
8MD006N	N	30	150	N	200	100	150	N	>2,000	N
8MD007N	N	70	50	N	200	<100	500	N	>2,000	200
8MD008N	N	50	300	N	200	N	300	N	>2,000	N
8MD009N	N	50	200	N	150	N	300	N	>2,000	N
8MD010N	N	70	500	N	200	100	300	N	>2,000	N
8MD011N	N	100	<20	N	200	N	200	N	>2,000	N
8MD012N	N	70	200	N	150	150	200	N	>2,000	N
8MD013N	N	50	100	N	200	N	200	N	>2,000	N
8MD014N	N	100	20	N	150	N	200	1,000	>2,000	N
8MT001N	N	70	300	N	200	N	300	N	>2,000	N
8MT002N	N	70	70	N	200	N	500	N	>2,000	N
8MT003N	N	70	30	N	200	N	300	N	>2,000	N
8MT004N	N	100	N	N	100	N	500	N	>2,000	N
8MT005N	N	100	150	N	70	N	500	N	>2,000	N
8MT006N	N	100	N	N	150	150	500	N	>2,000	N
8MT007N	N	70	20	N	100	N	300	N	>2,000	N
8MT008N	N	70	100	N	30	N	300	N	>2,000	N
8MT009N	N	100	30	N	100	N	300	N	>2,000	N
8MT010N	N	100	100	N	150	N	300	N	>2,000	N
8MT011N	N	100	N	N	100	N	300	N	>2,000	N
8MT012N	N	100	300	N	150	N	500	1,000	>2,000	N
8MT013N	N	50	300	N	150	N	300	N	>2,000	N
8MT014N	N	70	N	N	100	N	300	N	>2,000	N
8MT015N	N	70	200	N	150	N	500	700	>2,000	N
8MT016N	N	150	50	N	100	N	500	N	>2,000	N
8MT017N	N	70	300	N	100	N	300	N	>2,000	N
8MT018N	N	100	50	N	150	N	700	N	>2,000	N
8MT019N	N	50	>2,000	N	100	N	300	N	>2,000	N
8MT020N	N	30	500	N	150	N	200	N	>2,000	N
8MT021N	N	50	1,000	N	150	N	300	N	>2,000	N
8MT022N	N	50	50	N	150	100	500	N	>2,000	200
8MT023N	N	100	100	N	100	N	500	N	>2,000	300
8MT024N	N	100	N	N	70	N	500	N	>2,000	<200
8MT025N	N	150	N	N	50	N	700	N	>2,000	300
8MT026N	N	100	N	N	70	N	700	N	>2,000	200
8MT027N	N	70	20	N	100	N	500	N	>2,000	N
8MT028N	N	100	100	N	50	N	700	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-4							
8CE001N	35 9 52	80 51 11	.70	<.05	.50	>2.00	100	5	1,500	700	50	50
8CE002N	35 10 2	80 50 9	.20	<.05	.50	2.00	100	N	N	N	<20	300
8CE003N	35 8 30	80 49 11	2.00	.05	.70	>2.00	200	N	N	N	<20	<50
8CE004N	35 7 37	80 47 31	.50	<.05	.10	.70	100	N	N	N	<20	50
8CE005N	35 9 6	80 51 30	1.50	<.05	.30	>2.00	100	1	N	N	<20	50
8CE007N	35 8 55	80 45 35	.30	<.05	.20	2.00	100	1	N	N	<20	<50
8CE008N	35 9 18	80 45 33	.30	<.05	.20	>2.00	100	2	N	N	<20	100
8CE009N	35 9 14	80 45 25	.50	.07	.50	>2.00	150	2	N	N	50	50
8CE010N	35 7 58	80 45 41	.50	<.05	.50	>2.00	150	1	N	20	<20	<50
8CE011N	35 10 34	80 46 24	.50	.05	.70	>2.00	150	1	N	N	20	150
8CE012N	35 10 36	80 46 27	.20	<.05	.15	>2.00	100	N	N	N	<20	<50
8CE013N	35 10 23	80 47 13	.30	.10	.50	>2.00	100	30	N	500	<20	50
8CE014N	35 14 2	80 46 7	.15	<.05	.20	>2.00	100	N	N	N	<20	200
8CW001N	35 9 50	80 55 50	.50	<.05	.50	>2.00	300	N	N	N	30	50
8CW003N	35 9 7	80 59 19	1.00	.50	1.00	1.00	500	N	N	N	30	70
8CW005N	35 9 56	80 54 33	.30	<.05	1.00	2.00	300	N	N	N	20	<50
8CW006N	35 9 58	80 54 39	.30	<.05	.50	.50	150	N	N	N	20	N
8CW007N	35 8 44	80 55 35	.30	.07	.70	1.50	300	N	N	N	20	50
8CW008N	35 9 42	80 56 23	.20	<.05	.70	1.00	150	N	N	N	30	<50
8CW009N	35 10 24	80 59 4	.15	<.05	.50	>2.00	150	N	N	N	20	N
8CW010N	35 10 25	80 59 7	.30	<.05	.20	2.00	500	N	N	N	20	<50
8CW011N	35 11 36	80 59 48	.20	.07	2.00	2.00	200	N	N	N	20	<50
8CW012N	35 11 36	80 59 49	.30	<.05	1.50	>2.00	300	5	N	N	30	50
8CW013N	35 12 38	80 58 57	.50	.05	.30	>2.00	150	N	N	N	20	N
8CW014N	35 11 5	80 56 28	.50	.05	2.00	1.00	500	N	N	N	20	N
8CW015N	35 11 35	80 56 35	1.00	<.05	.20	>2.00	500	N	N	N	50	200
8CW017N	35 12 57	80 55 24	.30	<.05	.20	1.00	200	N	N	N	20	<50
8CW018N	35 13 48	80 54 38	1.00	<.05	.15	2.00	200	N	N	N	20	<50
8CW019N	35 13 54	80 54 51	.50	.05	.70	2.00	200	N	N	N	30	<50
8CW020N	35 13 54	80 55 1	.10	<.05	.10	2.00	50	2	N	N	20	N
8CW021N	35 14 6	80 58 38	.15	<.05	.30	>2.00	100	N	N	N	30	<50
8CW022N	35 14 14	80 58 39	.20	<.05	.15	2.00	100	N	N	N	20	<50
8CW023N	35 12 1	80 53 38	1.00	.05	.70	>2.00	150	N	N	N	30	50
8WD001N	35 1 52	80 52 35	.20	.05	.20	1.50	100	N	N	N	20	100
8WD002N	35 7 16	80 49 54	.30	<.05	.70	1.50	150	N	N	50	50	50
8WD003N	35 7 20	80 50 22	.30	.05	.70	1.50	100	N	N	N	20	70
8WD004N	35 6 47	80 50 52	.20	.05	.70	1.00	100	N	N	N	20	70
8WD005N	35 5 42	80 51 28	.20	.05	.50	.70	70	N	N	N	20	50
8WD006N	35 2 18	80 51 40	.30	.10	.30	2.00	100	N	N	N	20	50
8WD007N	35 0 38	80 52 33	.10	<.05	.15	2.00	50	30	N	200	30	<50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-4--Continued						
8CE001N	N	N	N	50	30	300	50	N	N	<10	1,000
8CE002N	N	N	N	15	20	70	50	N	N	<10	200
8CE003N	2	N	N	100	50	N	100	N	N	<10	500
8CE004N	<2	N	N	N	20	N	N	N	N	10	20
8CE005N	5	N	N	70	30	<10	N	N	N	<10	1,000
8CE007N	N	N	N	N	<20	N	N	N	N	<10	150
8CE008N	300	N	N	20	30	100	N	N	N	<10	300
8CE009N	100	N	N	30	20	N	N	N	<50	<10	300
8CE010N	N	N	N	20	<20	200	50	N	N	<10	150
8CE011N	N	N	N	30	30	10	100	N	<50	<10	5,000
8CE012N	N	N	N	15	<20	N	50	N	N	<10	50
8CE013N	3	N	N	100	50	N	100	N	50	<10	3,000
8CE014N	N	N	N	N	<20	70	N	N	N	<10	50
8CW001N	N	N	N	N	20	10	70	N	N	N	100
8CW003N	N	N	N	N	50	<10	50	N	N	N	50
8CW005N	N	N	N	N	20	<10	100	N	N	N	500
8CW006N	N	N	N	20	20	50	50	N	N	N	1,000
8CW007N	N	N	N	N	N	<10	70	N	N	N	100
8CW008N	N	N	N	N	N	<10	50	N	N	N	50
8CW009N	N	N	N	N	20	<10	100	N	N	N	30
8CW010N	N	N	N	N	N	<10	200	N	N	N	30
8CW011N	N	N	N	N	N	<10	200	N	N	N	20
8CW012N	N	N	N	N	30	10	200	N	N	N	50
8CW013N	N	N	N	15	70	10	100	N	<50	N	200
8CW014N	N	N	N	N	20	<10	200	N	N	N	70
8CW015N	N	N	N	70	50	10	50	N	50	N	200
8CW017N	N	100	N	20	50	300	50	N	N	N	7,000
8CW018N	N	N	N	100	500	500	N	N	70	20	5,000
8CW019N	N	N	N	N	N	20	50	N	N	N	200
8CW020N	N	N	N	N	N	5,000	<50	N	N	N	1,500
8CW021N	N	N	N	N	50	10	<50	N	<50	N	100
8CW022N	N	N	N	10	30	<10	<50	N	N	N	700
8CW023N	N	150	N	100	50	500	50	N	<50	20	300
8WD001N	N	N	N	<10	70	15	N	N	100	N	50
8WD002N	N	N	N	20	N	20	200	N	50	N	30
8WD003N	3	N	N	30	N	15	200	N	50	N	20
8WD004N	N	N	N	10	N	10	100	N	50	N	20
8WD005N	N	N	N	10	N	20	50	N	<50	N	50
8WD006N	N	N	N	10	20	10	500	N	50	N	30
8WD007N	N	N	N	N	N	500	100	N	70	N	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-4--Continued					
8CE001N	N	150	300	<200	200	N	1,000	N	>2,000	N
8CE002N	N	100	20	<200	150	N	1,000	N	>2,000	N
8CE003N	N	100	>2,000	200	200	N	1,000	N	>2,000	<200
8CE004N	N	150	N	200	50	N	1,000	N	>2,000	N
8CE005N	N	100	50	200	200	N	1,000	N	>2,000	<200
8CE007N	N	100	N	200	100	N	700	N	>2,000	N
8CE008N	N	100	70	200	300	N	700	N	>2,000	N
8CE009N	N	30	N	<200	200	N	300	N	>2,000	N
8CE010N	N	50	100	<200	150	N	700	N	>2,000	N
8CE011N	N	70	50	200	200	N	500	N	>2,000	N
8CE012N	N	100	50	<200	100	N	700	N	>2,000	500
8CE013N	N	70	70	<200	300	N	500	N	>2,000	500
8CE014N	N	150	500	<200	150	N	500	N	>2,000	N
8CW001N	N	70	N	N	150	N	1,000	N	>2,000	200
8CW003N	N	70	300	<200	100	N	1,000	N	>2,000	500
8CW005N	N	50	N	N	100	N	1,000	N	>2,000	200
8CW006N	N	20	N	N	20	N	700	N	>2,000	<200
8CW007N	N	50	N	N	70	N	1,000	N	>2,000	200
8CW008N	N	50	70	N	50	N	500	N	>2,000	<200
8CW009N	N	70	200	N	100	N	1,000	N	>2,000	200
8CW010N	N	100	500	N	70	N	1,000	N	>2,000	<200
8CW011N	N	50	N	<200	100	N	700	N	>2,000	N
8CW012N	N	150	N	<200	200	N	1,500	N	>2,000	N
8CW013N	N	70	300	N	200	N	500	N	>2,000	N
8CW014N	N	50	<20	<200	70	N	1,000	N	>2,000	<200
8CW015N	N	70	300	N	150	N	700	N	>2,000	<200
8CW017N	N	50	20	N	70	N	500	500	>2,000	N
8CW018N	N	50	200	N	70	N	500	N	>2,000	N
8CW019N	N	100	N	<200	200	N	1,500	N	>2,000	<200
8CW020N	N	70	1,000	N	70	N	1,000	N	>2,000	N
8CW021N	N	150	200	N	200	N	1,000	N	>2,000	N
8CW022N	N	70	N	N	100	N	700	N	>2,000	N
8CW023N	N	70	500	N	150	N	700	700	>2,000	N
8WD001N	N	100	150	N	50	N	500	N	>2,000	N
8WD002N	N	70	200	N	100	N	700	N	>2,000	500
8WD003N	N	100	N	N	100	N	700	N	>2,000	500
8WD004N	N	150	N	N	100	N	500	N	>2,000	700
8WD005N	N	150	N	N	70	N	700	N	>2,000	700
8WD006N	N	150	50	N	70	N	700	N	>2,000	300
8WD007N	N	100	1,500	N	70	200	500	N	>2,000	200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-4--Continued							
8WD008N	35 1 27	80 50 6	.20	<.05	.50	1.50	70	5	N	70	20	50
8WD009N	35 0 41	80 49 36	.20	<.05	.50	2.00	150	N	N	N	50	50
8WD010N	35 2 10	80 45 54	.20	<.05	.10	1.00	70	N	N	N	30	70
8WD011N	35 2 20	80 46 23	.20	<.05	.50	1.00	150	N	N	N	30	70
8WD012N	35 3 42	80 45 24	.15	<.05	<.10	2.00	70	N	N	N	<20	50
8WD013N	35 4 43	80 46 36	.15	<.05	<.10	1.00	50	3	N	20	<20	50
8WD014N	35 5 45	80 46 33	.20	<.05	.20	1.00	70	N	N	N	<20	50
8WD015N	35 6 58	80 46 54	.15	<.05	.10	.70	70	N	N	N	30	50
8WD016N	35 6 18	80 48 41	.30	<.05	.50	1.00	200	N	N	N	20	50
8WD017N	35 4 3	80 50 52	.20	<.05	.70	1.50	150	N	N	<20	30	50
8WD019N	35 2 11	80 48 33	.20	<.05	.10	1.00	100	N	N	N	20	50
8WD020N	35 1 53	80 49 9	.20	<.05	.50	1.00	100	N	N	N	20	50
8WD021N	35 3 29	80 47 50	.20	<.05	<.10	.70	50	N	N	N	30	50
8WD022N	35 2 15	80 47 33	.15	<.05	.30	.10	70	N	N	N	20	50
8WD023N	35 5 48	80 50 3	.15	<.05	.50	1.00	70	N	N	N	20	50
8BE001N	35 8 1	81 6 9	1.50	<.05	1.00	>2.00	200	10	N	1,000	<20	N
8BE002N	35 9 11	81 6 55	.20	<.05	.50	>2.00	150	N	N	N	<20	N
8BE003N	35 12 41	81 7 14	.20	.05	.20	>2.00	100	N	N	N	50	N
8BE004N	35 12 25	81 7 5	3.00	<.05	.30	>2.00	150	N	1,500	N	20	N
8BE005N	35 12 0	81 6 25	.30	<.05	.30	2.00	150	N	N	N	<20	1,000
8BE006N	35 13 55	81 5 55	.30	<.05	.15	1.50	50	N	N	N	<20	<50
8BE007N	35 14 34	81 5 35	.70	<.05	.15	1.50	150	N	N	N	<20	50
8BE008N	35 14 39	81 3 21	.70	.05	.30	1.50	100	N	<500	N	30	100
8BE009N	35 14 43	81 1 14	1.00	.05	.50	.50	300	30	N	N	20	150
8BE010N	35 12 56	81 0 57	.50	<.05	.50	>2.00	150	N	N	N	<20	50
8BE011N	35 8 8	81 4 33	.30	<.05	.30	1.00	100	N	N	N	<20	50
8BE012N	35 9 49	81 5 9	.30	<.05	.30	.70	100	N	N	N	<20	50
8BE013N	35 10 31	81 5 22	.50	<.05	1.00	>2.00	200	N	N	N	<20	50
8BE014N	35 10 33	81 5 24	.50	.05	1.00	>2.00	300	N	N	N	<20	50
8BE015N	35 8 8	81 0 25	.50	<.05	1.00	.50	200	N	N	N	<20	50
8CO001N	35 7 20	81 10 40	.10	<.05	.20	2.00	<20	N	N	N	<20	<50
8CO002N	35 6 24	81 8 22	.10	<.05	.50	1.50	<20	N	N	N	<20	50
8CO003N	35 7 10	81 8 33	.10	<.05	.70	2.00	50	N	N	N	100	50
8CO004N	35 3 9	81 8 55	.15	<.05	.50	>2.00	<20	N	N	N	<20	50
8CO005N	35 6 17	81 14 35	.10	<.05	.50	2.00	<20	N	N	N	30	50
8CO006N	35 6 8	81 15 0	.10	<.05	.20	2.00	<20	N	N	N	20	50
8CO007N	35 4 54	81 14 35	.10	<.05	.10	2.00	<20	N	N	N	<20	<50
8CO008N	35 3 40	81 13 25	<.10	<.05	.30	1.50	<20	N	N	N	<20	70
8CO009N	35 3 35	81 13 23	<.10	<.05	.30	2.00	<20	N	N	N	<20	70
8CO010N	35 1 50	81 14 30	.15	<.05	.70	>2.00	300	N	N	N	<20	70
8CO011N	35 1 25	81 13 25	<.10	<.05	.20	1.50	<20	N	N	N	20	50
8CO012N	35 1 10	81 13 36	<.10	<.05	.10	2.00	<20	N	N	N	<20	50
8CO013N	35 1 14	81 12 11	<.10	<.05	.50	2.00	20	N	N	N	<20	50
8CO014N	35 3 6	81 11 21	.10	<.05	.50	1.50	<20	N	N	N	<20	50
8CO015N	35 4 7	81 11 24	.10	<.05	.30	2.00	<20	N	N	N	20	70

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-4--Continued						
8WD008N	N	N	N	15	N	10	700	N	N	N	N
8WD009N	N	N	N	10	50	<10	100	N	50	N	N
8WD010N	N	N	N	N	N	N	200	N	70	N	N
8WD011N	N	N	N	N	N	N	300	N	<50	N	N
8WD012N	N	N	N	10	50	N	500	N	100	N	N
8WD013N	N	N	N	<10	N	N	200	N	N	N	N
8WD014N	N	N	N	10	N	N	200	N	N	N	<20
8WD015N	N	N	N	<10	N	N	50	N	N	N	<20
8WD016N	N	N	N	10	N	N	150	N	N	N	<20
8WD017N	N	30	N	10	20	N	150	N	100	N	200
8WD019N	N	N	N	N	N	N	300	N	N	N	N
8WD020N	N	N	N	N	<20	10	100	N	50	N	20
8WD021N	N	N	N	N	N	N	150	N	N	N	N
8WD022N	N	N	N	N	N	N	<50	N	N	N	N
8WD023N	N	N	N	10	N	20	50	N	N	N	100
8BE001N	N	N	N	15	50	10	150	N	N	<10	200
8BE002N	100	N	N	10	100	N	150	N	N	<10	20
8BE003N	N	N	N	N	50	N	N	N	N	<10	20
8BE004N	200	N	N	50	70	300	150	N	<50	<10	1,500
8BE005N	N	N	N	N	30	N	100	N	N	<10	50
8BE006N	N	N	N	N	20	N	200	N	N	<10	20
8BE007N	N	N	N	N	50	70	50	N	N	<10	100
8BE008N	N	N	N	20	20	500	<50	N	N	<10	700
8BE009N	N	N	N	10	20	15	150	N	N	<10	700
8BE010N	N	100	N	20	30	10	200	N	N	50	50
8BE011N	N	N	N	N	20	50	50	N	N	<10	<20
8BE012N	N	N	N	N	20	10	50	N	N	<10	20
8BE013N	N	N	N	10	30	10	150	N	N	<10	20
8BE014N	N	N	N	N	50	10	50	N	N	<10	30
8BE015N	N	N	N	N	20	<10	50	N	N	<10	<20
8CO001N	N	N	N	N	20	<10	>2,000	N	N	<10	20
8CO002N	N	N	N	N	N	<10	300	N	N	<10	<20
8CO003N	N	N	N	N	20	<10	2,000	N	N	<10	20
8CO004N	2	N	N	N	30	10	1,500	N	N	<10	30
8CO005N	N	N	N	N	N	<10	100	N	N	<10	<20
8CO006N	N	N	N	N	<20	<10	N	N	N	<10	N
8CO007N	N	N	N	N	N	<10	N	N	N	<10	N
8CO008N	N	N	N	N	N	<10	N	N	N	<10	N
8CO009N	N	N	N	N	N	<10	N	N	N	<10	N
8CO010N	N	N	N	N	<20	<10	100	N	N	<10	N
8CO011N	N	N	N	N	N	<10	N	N	N	<10	N
8CO012N	N	N	N	N	N	<10	N	N	N	<10	N
8CO013N	N	N	N	N	<20	<10	N	N	N	<10	N
8CO014N	N	N	N	N	N	<10	N	N	N	<10	100
8CO015N	N	N	N	N	N	<10	200	N	N	<10	20

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-4--Continued					
8WD008N	N	100	100	N	50	N	500	N	>2,000	200
8WD009N	N	70	N	N	100	N	300	N	>2,000	N
8WD010N	N	150	N	N	70	N	1,000	N	>2,000	500
8WD011N	N	70	N	N	50	N	500	N	>2,000	300
8WD012N	N	100	N	N	100	N	700	N	>2,000	500
8WD013N	N	70	100	N	100	N	700	N	>2,000	200
8WD014N	N	70	N	N	70	N	700	N	>2,000	200
8WD015N	N	50	N	N	100	N	700	N	>2,000	<200
8WD016N	N	50	N	N	100	N	700	N	>2,000	300
8WD017N	N	70	N	N	70	N	700	N	>2,000	700
8WD019N	N	100	N	N	70	N	700	N	>2,000	N
8WD020N	N	100	N	N	50	N	700	N	>2,000	200
8WD021N	N	70	N	N	30	N	500	N	>2,000	300
8WD022N	N	100	N	N	30	N	500	N	>2,000	N
8WD023N	N	70	N	N	50	N	500	N	>2,000	200
8BE001N	N	200	700	N	150	N	1,000	N	>2,000	N
8BE002N	N	150	300	N	200	N	700	N	>2,000	N
8BE003N	N	200	50	N	150	N	1,500	N	>2,000	N
8BE004N	N	150	>2,000	N	150	N	1,000	N	>2,000	N
8BE005N	N	>200	500	<200	150	N	1,000	N	>2,000	N
8BE006N	N	200	700	<200	100	N	2,000	N	>2,000	N
8BE007N	N	150	500	<200	150	N	1,500	N	>2,000	N
8BE008N	N	200	700	<200	100	<100	1,000	N	>2,000	N
8BE009N	N	150	50	<200	100	N	1,000	N	>2,000	N
8BE010N	N	150	100	N	150	N	700	N	>2,000	N
8BE011N	N	>200	2,000	<200	50	N	1,500	N	>2,000	N
8BE012N	N	200	300	<200	30	N	1,500	N	>2,000	N
8BE013N	N	>200	700	<200	200	N	1,500	N	>2,000	200
8BE014N	N	>200	200	<200	300	N	1,000	N	>2,000	200
8BE015N	N	100	1,500	<200	50	N	1,000	N	>2,000	N
8CO001N	N	150	300	<200	150	N	1,000	N	>2,000	1,000
8CO002N	N	150	N	200	100	N	1,500	N	>2,000	<200
8CO003N	N	100	N	<200	150	N	700	N	>2,000	500
8CO004N	N	150	300	<200	150	N	1,000	N	>2,000	300
8CO005N	N	150	100	<200	100	N	1,000	1,000	>2,000	N
8CO006N	N	150	300	<200	100	N	1,000	N	>2,000	N
8CO007N	N	100	N	<200	100	N	700	N	>2,000	N
8CO008N	N	150	200	<200	70	N	1,000	N	>2,000	500
8CO009N	N	150	500	<200	70	N	700	N	>2,000	500
8CO010N	N	200	200	<200	200	N	1,000	N	>2,000	500
8CO011N	N	100	300	<200	70	N	700	N	>2,000	N
8CO012N	N	150	N	<200	70	N	1,000	N	>2,000	N
8CO013N	N	150	30	<200	70	N	1,000	N	>2,000	N
8CO014N	N	70	N	<200	70	N	700	N	>2,000	200
8CO015N	N	150	100	<200	100	N	1,500	N	>2,000	200

Table 2.--Analytical results of the nonaagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-4--Continued							
8CO016N	35 4 38	81 12 38	.10	<.05	.20	2.00	<20	N	N	N	<20	50
8CO017N	35 4 39	81 12 28	<.10	<.05	.30	2.00	<20	N	N	N	<20	50
8CO018N	35 3 44	81 12 30	.15	<.05	.30	2.00	70	N	N	N	20	50
8CO019N	35 1 2	81 9 29	.10	<.05	.15	>2.00	100	N	N	N	<20	<50
8CO020N	35 0 31	81 8 42	.15	<.05	.70	>2.00	200	N	N	N	20	N
8CO021N	35 5 34	81 12 30	<.10	<.05	.70	2.00	<20	N	N	N	<20	<50
8CO022N	35 4 29	81 10 45	<.10	<.05	.50	1.50	<20	N	N	N	<20	50
8CO023N	35 4 56	81 10 20	.10	<.05	.70	2.00	50	N	N	N	<20	50
8CO024N	35 3 49	81 9 19	.15	<.05	.50	1.50	50	N	N	N	N	50
8CO025N	35 3 8	81 11 5	.10	<.05	.30	2.00	<20	N	N	N	20	70
8CO026N	35 0 44	81 12 58	.20	<.05	.70	>2.00	100	N	N	N	<20	50
8CO027N	35 1 13	81 8 10	.20	<.05	.50	>2.00	50	N	N	N	<20	70
8CO028N	35 2 19	81 8 13	.30	<.05	.50	>2.00	70	N	N	<20	<20	<50
8CO029N	35 6 11	81 10 23	<.10	<.05	.15	1.50	<20	N	N	N	<20	50
8CO030N	35 4 49	81 9 11	.15	<.05	.50	2.00	<20	N	N	N	<20	50
					A-5							
8CO031N	35 2 21	81 9 36	.30	<.05	.20	>2.00	200	N	N	N	30	N
8CO032N	35 4 29	81 7 41	.20	<.05	.15	>2.00	<20	N	N	N	20	N
8CO033N	35 6 35	81 7 38	.70	<.05	.70	>2.00	100	N	N	N	50	N
8GS001N	35 14 26	81 14 39	.15	<.05	.70	2.00	100	N	N	N	<20	<50
8GS002N	35 12 56	81 14 39	.15	<.05	.10	1.50	50	N	N	N	50	<50
8GS003N	35 11 25	81 14 18	.20	<.05	.20	>2.00	70	N	N	N	30	N
8GS003N	35 11 25	81 14 18	.15	<.05	.20	1.50	150	N	N	N	30	N
8GS004N	35 8 49	81 14 5	.10	<.05	.30	>2.00	30	N	N	N	<20	N
8GS005N	35 8 17	81 13 57	3.00	<.05	.10	>2.00	30	N	N	N	100	N
8GS006N	35 8 30	81 12 52	.10	<.05	.10	>2.00	100	N	N	N	100	<50
8GS007N	35 8 44	81 9 5	.15	<.05	.20	>2.00	100	2	N	150	100	<50
8GS008N	35 13 34	81 12 52	1.00	<.05	2.00	>2.00	200	N	N	N	70	500
8GS010N	35 9 41	81 13 7	3.00	<.05	.15	>2.00	20	N	N	N	50	500
8GS011N	35 7 45	81 12 21	.30	<.05	7.00	2.00	200	N	N	N	<20	100
8GS012N	35 7 51	81 11 22	<.10	<.05	.20	>2.00	20	N	N	N	<20	<50
8GS013N	35 14 33	81 13 6	2.00	.15	.50	>2.00	500	N	N	N	200	>10,000
8GS014N	35 12 17	81 11 45	<.10	<.05	.30	>2.00	20	N	N	N	<20	150
8GS015N	35 11 20	81 11 59	.15	<.05	.30	>2.00	50	N	N	N	20	50
8GS016N	35 11 20	81 12 3	.10	<.05	.30	>2.00	20	N	N	N	<20	50
8GS017N	35 9 35	81 10 11	1.00	.05	.50	>2.00	200	N	N	N	100	50
8GS018N	35 10 19	81 11 36	.70	<.05	.50	>2.00	200	N	N	N	20	70
8GS019N	35 14 12	81 10 25	.15	<.05	.70	>2.00	150	N	N	N	<20	100
8GS020N	35 14 22	81 10 27	3.00	.05	1.00	>2.00	300	7	N	30	70	2,000
8GS022N	35 13 49	81 8 1	.15	<.05	.70	>2.00	100	N	N	N	20	100
8GS022N	35 13 49	81 8 1	1.50	<.05	.70	>2.00	150	N	N	N	30	100

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-4--Continued						
8CO016N	N	N	N	N	N	10	>2,000	N	N	<10	<20
8CO017N	N	N	N	N	N	<10	2,000	N	<50	<10	100
8CO018N	N	N	N	N	30	<10	50	N	N	<10	<20
8CO019N	N	N	N	N	30	10	100	N	50	<10	<20
8CO020N	N	N	N	N	50	10	N	N	<50	<10	N
8CO021N	N	N	N	N	20	<10	>2,000	N	50	<10	<20
8CO022N	N	N	N	N	N	<10	>2,000	N	N	<10	<20
8CO023N	N	N	N	N	<20	<10	1,500	N	N	<10	N
8CO024N	N	N	N	N	20	<10	50	N	N	<10	N
8CO025N	N	N	N	N	N	<10	100	N	N	<10	N
8CO026N	N	N	N	N	30	10	200	N	N	<10	N
8CO027N	N	N	N	N	30	10	100	N	50	<10	N
8CO028N	N	N	N	N	100	10	700	N	N	<10	20
8CO029N	N	N	N	N	<20	<10	>2,000	N	N	<10	N
8CO030N	N	N	N	N	N	<10	70	N	N	<10	N
					A-5--Continued						
8CO031N	N	N	N	N	50	10	1,000	N	<50	<10	<20
8CO032N	N	N	N	N	100	200	700	N	100	<10	70
8CO033N	15	N	N	N	200	15	50	N	70	<10	N
8GS001N	N	N	N	N	20	N	150	N	N	<10	20
8GS002N	2	N	N	N	30	N	100	N	<50	<10	N
8GS003N	N	N	N	N	50	N	100	N	<50	<10	N
8GS003N	N	N	N	N	30	N	150	N	N	<10	N
8GS004N	N	N	N	N	<20	N	50	N	N	<10	20
8GS005N	N	N	N	30	N	10	50	N	N	<10	N
8GS006N	N	N	N	15	20	50	>2,000	N	50	<10	30
8GS007N	N	N	N	N	20	N	200	N	50	<10	<20
8GS008N	100	N	N	15	20	10	2,000	N	<50	<10	100
8GS010N	N	N	N	20	20	<10	70	N	<50	<10	N
8GS011N	N	N	N	N	20	N	1,500	N	70	<10	<20
8GS012N	N	N	N	N	N	N	N	N	<50	<10	N
8GS013N	3	N	N	20	100	150	>2,000	N	50	<10	300
8GS014N	N	N	N	N	20	N	200	N	N	<10	<20
8GS015N	15	N	N	N	30	N	500	N	50	<10	<20
8GS016N	N	N	N	N	20	20	300	N	<50	<10	<20
8GS017N	N	N	N	20	50	N	N	N	50	<10	50
8GS018N	5	N	N	10	50	500	2,000	N	50	<10	300
8GS019N	N	N	N	N	20	N	1,500	N	N	<10	150
8GS020N	2	N	N	50	30	500	>2,000	N	<50	<10	3,000
8GS022N	10	N	N	10	30	N	1,000	N	N	<10	70
8GS022N	N	N	N	20	30	20	>2,000	N	<50	<10	70

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-4--Continued					
8C0016N	N	100	200	<200	100	N	1,500	N	>2,000	700
8C0017N	N	100	200	<200	70	N	1,000	N	>2,000	700
8C0018N	N	100	N	<200	150	N	700	N	>2,000	500
8C0019N	N	100	200	<200	150	N	700	N	>2,000	200
8C0020N	N	100	500	<200	100	N	700	N	>2,000	<200
8C0021N	N	150	1,000	<200	70	N	1,000	N	>2,000	500
8C0022N	N	150	500	<200	50	N	1,500	N	>2,000	700
8C0023N	N	150	70	<200	100	N	1,000	N	>2,000	500
8C0024N	N	150	N	<200	100	N	700	N	>2,000	<200
8C0025N	N	150	N	200	70	N	700	N	>2,000	200
8C0026N	N	150	500	<200	150	N	700	N	>2,000	N
8C0027N	N	100	150	<200	150	N	700	N	>2,000	200
8C0028N	N	150	200	<200	150	N	700	N	>2,000	500
8C0029N	N	100	500	<200	50	N	700	N	>2,000	300
8C0030N	N	150	100	<200	150	N	700	N	>2,000	300
					A-5--Continued					
8C0031N	N	70	300	<200	150	N	500	N	>2,000	N
8C0032N	N	70	500	<200	200	N	500	N	>2,000	N
8C0033N	N	50	>2,000	<200	200	N	300	N	>2,000	N
8GS001N	N	50	700	N	200	N	300	N	>2,000	N
8GS002N	N	20	300	N	200	N	150	<500	>2,000	N
8GS003N	N	20	100	N	200	N	150	N	>2,000	N
8GS003N	N	20	<20	N	300	N	150	500	>2,000	N
8GS004N	N	70	100	N	150	N	1,000	N	>2,000	N
8GS005N	N	70	200	N	150	N	1,000	N	>2,000	N
8GS006N	N	70	500	N	150	N	1,000	N	>2,000	500
8GS007N	N	100	700	N	150	N	500	N	>2,000	N
8GS008N	N	50	300	200	200	N	500	N	>2,000	500
8GS010N	N	20	N	N	300	N	200	N	>2,000	N
8GS011N	N	20	150	300	150	N	300	N	>2,000	500
8GS012N	N	50	<20	N	150	N	700	N	>2,000	2,000
8GS013N	N	70	500	700	200	N	500	N	>2,000	N
8GS014N	N	100	70	N	150	N	700	N	>2,000	N
8GS015N	N	150	30	N	200	N	700	N	>2,000	N
8GS016N	N	150	20	<200	150	N	700	N	>2,000	<200
8GS017N	N	50	200	N	200	N	300	700	>2,000	N
8GS018N	N	100	500	N	200	N	500	700	>2,000	N
8GS019N	N	150	300	<200	150	N	700	N	>2,000	300
8GS020N	N	100	>2,000	<200	300	N	500	500	>2,000	500
8GS022N	N	150	100	<200	200	N	500	N	>2,000	200
8GS022N	N	150	500	<200	200	N	700	N	>2,000	300

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-5--Continued							
8GS023N	35 12 35	81 8 0	.10	<.05	.20	>2.00	100	N	N	N	150	N
8GS024N	35 12 4	81 7 56	.10	<.05	.15	>2.00	100	N	N	N	50	N
8LY001N	35 0 55	81 7 26	.70	.15	1.00	>2.00	700	N	N	N	100	150
8LY002N	35 0 59	81 7 25	.10	<.05	.50	>2.00	200	N	N	N	<20	100
8LY003N	35 0 21	81 3 4	.15	.05	1.00	>2.00	200	N	N	N	50	150
8LY004N	35 0 1	81 4 28	.10	<.05	.30	>2.00	150	N	N	N	30	150
8LY005N	35 0 17	81 6 2	.30	.10	1.50	>2.00	300	N	N	N	50	100
8LY006N	35 1 50	81 6 17	.20	.07	1.00	>2.00	300	N	N	N	30	100
8LY007N	35 1 52	81 6 15	.20	.05	1.50	>2.00	300	N	N	N	20	70
8LY008N	35 3 52	81 7 30	.20	.05	.70	>2.00	150	N	N	N	150	100
8LY009N	35 4 39	81 7 14	<.10	<.05	.30	>2.00	100	N	N	N	<20	100
8LY010N	35 4 2	81 7 7	.10	<.05	1.00	>2.00	100	N	N	N	20	200
8LY011N	35 4 26	81 5 37	.10	.15	1.00	>2.00	200	N	N	N	1,000	200
8LY012N	35 4 52	81 5 45	<.10	<.05	.50	>2.00	70	N	N	N	50	100
8LY013N	35 5 25	81 6 22	.50	<.05	.20	>2.00	100	N	<500	N	<20	100
8LY014N	35 7 21	81 3 36	.50	.10	.30	>2.00	100	N	N	N	150	100
8LY015N	35 4 53	81 1 53	2.00	<.05	1.00	>2.00	200	N	N	N	<20	100
8LY016N	35 5 9	81 1 42	.20	<.05	1.00	2.00	100	N	N	N	<20	<50
8LY017N	35 6 50	81 1 9	.50	<.05	1.00	1.00	70	N	N	N	<20	150
8LY018N	35 3 15	81 1 7	.30	<.05	7.00	>2.00	150	N	N	N	<20	N
					A-6							
8CO006N	35 6 8	81 15 0	.10	<.05	.20	2.00	<20	N	N	N	20	50
8FL001N	35 6 1	81 16 58	.20	.10	.20	>2.00	200	N	N	N	150	<50
8FL002N	35 6 34	81 15 54	.10	<.05	N	>2.00	20	N	N	N	50	N
8FL003N	35 6 46	81 15 42	<.10	<.05	.20	>2.00	<20	N	N	N	<20	N
8FL004N	35 7 6	81 15 14	.10	<.05	.30	>2.00	50	N	N	N	50	50
8FL005N	35 5 22	81 16 12	.10	<.05	<.10	>2.00	50	N	N	N	30	N
8FL006N	35 4 5	81 15 10	.20	<.05	.30	>2.00	200	N	N	N	<20	70
8FL007N	35 4 7	81 15 14	<.10	<.05	.30	1.00	100	N	N	N	20	100
8FL008N	35 1 28	81 15 59	<.10	<.05	.50	1.50	70	N	N	N	<20	50
8FL009N	35 1 28	81 16 3	.10	<.05	.20	2.00	150	N	N	N	<20	50
8FL010N	35 0 22	81 16 50	<.10	<.05	.50	>2.00	100	N	N	N	<20	50
8FL011N	35 0 17	81 17 3	<.10	<.05	.70	>2.00	100	N	N	N	<20	50
8FL012N	35 0 44	81 18 29	3.00	.05	.50	>2.00	150	N	N	N	20	50
8FL013N	35 2 49	81 17 29	.20	<.05	.15	1.50	100	N	N	N	30	50
8FL014N	35 3 6	81 17 28	.20	<.05	.70	>2.00	100	N	N	N	<20	70
8FL015N	35 4 47	81 18 0	<.10	<.05	.15	2.00	20	N	N	N	50	<50
8FL016N	35 3 0	81 17 54	<.10	<.05	.15	2.00	20	N	N	N	<20	N
8FL017N	35 0 40	81 20 3	.10	<.05	.20	2.00	30	N	N	N	<20	50
8FL018N	35 2 6	81 18 46	.15	<.05	.50	>2.00	150	N	N	N	20	70
8FL019N	35 2 38	81 19 41	.10	<.05	.20	>2.00	100	N	N	N	100	<50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-5--Continued						
8GS023N	7	N	N	N	30	N	500	N	N	<10	N
8GS024N	N	N	N	N	30	<10	200	N	<50	<10	100
8LY001N	N	N	N	10	100	<10	200	N	N	<10	70
8LY002N	N	N	N	N	70	<10	150	N	50	<10	30
8LY003N	2	N	N	N	70	<10	100	N	<50	<10	70
8LY004N	N	N	N	N	70	<10	150	N	<50	<10	50
8LY005N	N	N	N	N	70	<10	100	N	<50	<10	50
8LY006N	N	N	N	N	100	1,000	100	N	50	<10	20
8LY007N	N	N	N	N	70	20	50	N	<50	<10	20
8LY008N	N	N	N	10	1,000	N	100	N	<50	<10	20
8LY009N	N	N	N	15	500	N	50	N	<50	<10	20
8LY010N	N	N	N	20	10,000	10	300	N	<50	<10	50
8LY011N	N	N	N	20	1,000	<10	100	N	<50	<10	<20
8LY012N	N	N	N	20	2,000	10	N	N	<50	<10	50
8LY013N	N	N	N	20	300	20	N	N	<50	<10	30
8LY014N	N	N	N	10	150	<10	N	N	<50	<10	20
8LY015N	2	N	N	10	30	<10	200	N	70	<10	70
8LY016N	3	N	N	N	20	N	100	N	N	<10	20
8LY017N	N	N	N	N	<20	N	100	20	N	<10	<20
8LY018N	<2	N	N	20	30	N	100	N	N	<10	30
					A-6--Continued						
8CO006N	N	N	N	N	<20	<10	N	N	N	<10	N
8FL001N	N	300	N	N	50	20	N	N	N	<10	20
8FL002N	N	N	N	N	20	<10	N	N	N	<10	N
8FL003N	N	N	N	N	<20	<10	N	N	N	<10	N
8FL004N	N	N	N	N	30	<10	N	N	N	<10	<20
8FL005N	N	N	N	N	20	10	N	N	N	<10	<20
8FL006N	5	N	N	15	N	<10	200	N	N	<10	50
8FL007N	N	N	N	N	N	N	50	N	N	<10	20
8FL008N	N	N	N	N	N	N	N	N	N	<10	N
8FL009N	5	N	N	N	<20	N	100	N	N	<10	50
8FL010N	N	N	N	N	N	N	50	N	N	<10	N
8FL011N	N	N	N	N	N	N	N	N	N	<10	N
8FL012N	2	N	N	50	N	30	500	N	N	<10	20
8FL013N	3	N	N	15	N	10	500	N	N	<10	30
8FL014N	2	N	N	N	N	<10	150	N	N	<10	50
8FL015N	N	N	N	N	N	<10	N	N	N	<10	N
8FL016N	N	N	N	N	N	<10	N	N	N	<10	N
8FL017N	N	N	N	N	N	<10	N	N	N	<10	N
8FL018N	N	N	N	N	<20	<10	150	N	N	<10	50
8FL019N	N	N	N	N	N	<10	N	N	N	<10	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-5--Continued					
8GS023N	N	70	1,000	<200	150	N	1,000	500	>2,000	N
8GS024N	N	70	1,000	<200	100	N	700	N	>2,000	N
8LY001N	N	200	50	<200	150	N	500	N	>2,000	<200
8LY002N	N	150	700	<200	150	N	300	N	>2,000	200
8LY003N	N	200	N	<200	200	N	500	N	>2,000	300
8LY004N	N	200	500	<200	100	N	300	N	>2,000	200
8LY005N	N	100	<20	200	150	N	300	N	>2,000	<200
8LY006N	N	150	300	<200	150	N	500	N	>2,000	<200
8LY007N	N	100	200	<200	100	N	500	N	>2,000	N
8LY008N	N	100	200	<200	200	N	300	N	>2,000	N
8LY009N	N	150	500	<200	300	N	500	N	>2,000	200
8LY010N	N	100	2,000	<200	150	N	300	N	>2,000	N
8LY011N	N	100	200	<200	200	N	200	N	>2,000	N
8LY012N	N	70	2,000	<200	200	N	150	N	>2,000	N
8LY013N	N	100	150	<200	200	N	300	N	>2,000	N
8LY014N	N	20	200	<200	300	N	150	N	>2,000	N
8LY015N	N	200	150	<200	300	N	700	N	>2,000	1,000
8LY016N	N	150	N	<200	200	N	700	N	>2,000	1,000
8LY017N	N	50	100	<200	100	N	700	N	>2,000	N
8LY018N	N	150	N	<200	200	N	500	N	>2,000	500
					A-6--Continued					
8CO006N	N	150	300	<200	100	N	1,000	N	>2,000	N
8FL001N	N	150	300	N	200	N	1,000	700	N	N
8FL002N	N	20	200	N	200	N	300	N	N	N
8FL003N	N	70	100	N	200	N	1,000	N	N	N
8FL004N	N	100	>2,000	<200	300	N	1,000	N	N	N
8FL005N	N	100	20	<200	200	N	1,000	N	N	N
8FL006N	N	200	100	200	300	N	1,500	N	N	>5,000
8FL007N	N	200	700	200	100	N	1,500	N	N	500
8FL008N	N	100	200	<200	100	N	1,000	N	N	300
8FL009N	N	200	N	<200	150	N	1,500	N	N	2,000
8FL010N	N	150	N	<200	100	N	1,500	N	N	700
8FL011N	N	200	N	200	100	N	1,500	N	N	700
8FL012N	N	150	30	<200	200	N	1,500	N	N	>5,000
8FL013N	N	300	N	200	150	N	2,000	N	N	>5,000
8FL014N	N	200	N	200	200	N	2,000	N	N	1,000
8FL015N	N	100	N	<200	150	N	1,500	N	N	<200
8FL016N	N	70	N	<200	150	N	1,500	N	N	500
8FL017N	N	150	700	<200	150	N	2,000	N	N	1,000
8FL018N	N	200	N	<200	300	N	2,000	N	N	5,000
8FL019N	N	100	200	<200	150	N	1,500	N	N	300

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-6--Continued							
8FL020N	35 2 53	81 20 13	1.00	.05	.30	>2.00	100	N	N	N	150	<50
8FL021N	35 2 54	81 20 8	.50	.05	.30	>2.00	100	N	N	N	100	2,000
8FL022N	35 2 8	81 20 41	.50	<.05	.30	>2.00	100	N	N	N	100	<50
8FL023N	35 1 58	81 20 45	.10	<.05	.20	>2.00	100	N	N	N	<20	50
8FL024N	35 4 3	81 19 56	2.00	.20	.30	>2.00	70	N	N	N	100	300
8FL025N	35 4 26	81 18 47	.20	.10	.20	>2.00	70	N	N	N	20	<50
8FL026N	35 4 28	81 18 39	.20	.10	.15	>2.00	100	N	N	N	20	50
8FL027N	35 6 25	81 21 1	.50	.70	1.00	>2.00	200	N	N	N	50	100
8FL028N	35 6 11	81 20 50	.10	.70	.10	>2.00	50	N	N	N	20	<50
8FL029N	35 4 32	81 21 42	.50	1.00	1.00	>2.00	2,000	50	N	100	<20	50
8FL030N	35 4 4	81 22 17	.20	.50	3.00	>2.00	200	N	N	N	<20	<50
8FL031N	35 6 23	81 22 11	.70	.50	.15	>2.00	200	N	N	N	20	300
8FL032N	35 6 42	81 22 0	1.00	1.00	.70	>2.00	500	N	N	N	500	300
8FL033N	35 6 42	81 22 4	.50	.70	<.10	>2.00	150	N	N	N	20	200
8GR001N	35 11 21	81 22 58	5.00	.70	.10	1.00	1,500	N	N	N	500	N
8GR002N	35 13 52	81 24 45	.20	.07	.70	>2.00	200	N	N	N	50	50
8GR003N	35 13 44	81 23 24	.15	.05	1.00	2.00	300	N	N	N	20	50
8GR004N	35 14 50	81 23 59	.15	.10	.50	2.00	300	N	N	N	50	<50
8GR005N	35 14 0	81 25 52	.10	.05	.30	2.00	200	N	N	N	50	50
8GR006N	35 13 45	81 25 48	.10	.05	<.10	>2.00	200	N	N	N	20	50
8GR007N	35 13 45	81 26 49	.10	.05	.30	>2.00	200	N	N	N	30	50
8GR008N	35 13 20	81 27 22	.15	.05	.20	>2.00	300	N	N	N	20	50
8GR009N	35 12 8	81 26 7	.15	.07	.15	>2.00	200	N	N	N	100	70
8GR010N	35 12 8	81 24 24	1.50	.10	.15	>2.00	200	N	N	N	100	50
8GR011N	35 11 6	81 27 9	.10	.05	<.10	>2.00	500	N	N	N	50	<50
8GR014N	35 10 34	81 28 48	.10	.05	.20	>2.00	300	N	N	N	100	50
8GR015N	35 9 58	81 24 53	.20	1.00	.20	1.50	1,000	2	N	N	500	<50
8GR016N	35 10 31	81 24 6	.30	.70	.20	>2.00	700	N	N	N	200	50
8GR017N	35 10 7	81 23 6	.30	.50	.20	>2.00	300	N	N	N	150	<50
8GR018N	35 9 57	81 23 6	.50	.10	.15	>2.00	200	N	N	N	100	150
8GR019N	35 9 30	81 23 58	5.00	1.00	.20	>2.00	1,500	N	N	N	1,000	<50
8GR020N	35 9 1	81 24 37	.70	1.50	.70	>2.00	300	N	N	N	1,500	<50
8GR021N	35 8 40	81 26 41	.50	1.50	.50	>2.00	700	3	N	150	1,500	<50
8KM001N	35 13 23	81 15 31	.30	<.05	N	.50	70	N	N	N	50	2,000
8KM002N	35 12 5	81 15 17	1.00	<.05	<.10	2.00	50	N	N	N	20	50
8KM003N	35 10 15	81 15 28	.70	.10	<.10	>2.00	50	N	N	N	500	50
8KM004N	35 8 50	81 15 59	.20	<.05	N	2.00	50	N	N	N	<20	N
8KM005N	35 13 57	81 18 30	1.50	.05	<.10	>2.00	70	N	N	N	100	50
8KM006N	35 13 55	81 18 29	.30	<.05	N	>2.00	150	N	N	N	50	N
8KM007N	35 14 38	81 16 41	.50	.05	.10	1.50	70	N	N	N	100	N
8KM008N	35 14 14	81 17 23	.50	<.05	<.10	>2.00	100	N	N	N	70	N
8KM009N	35 13 21	81 18 13	.50	<.05	N	.70	100	N	N	N	20	N
8KM010N	35 12 41	81 17 23	.70	.05	N	.70	100	N	N	N	100	N
8KM011N	35 10 55	81 16 28	.50	.05	<.10	.70	70	N	N	N	70	<50
8KM012N	35 10 57	81 17 14	1.50	.05	.30	>2.00	150	N	N	N	100	500

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-6--Continued						
8FL020N	N	N	N	20	20	20	N	N	N	<10	N
8FL021N	N	N	N	10	20	20	N	N	N	<10	20
8FL022N	N	N	N	20	N	20	N	N	N	<10	N
8FL023N	N	N	N	N	N	<10	50	N	N	<10	70
8FL024N	N	N	N	30	30	100	N	N	N	N	20
8FL025N	N	N	N	N	20	<10	50	N	N	N	N
8FL026N	N	N	N	15	20	<10	70	N	N	N	N
8FL027N	500	N	N	20	50	200	100	N	70	N	1,000
8FL028N	N	N	N	10	20	50	50	N	100	N	70
8FL029N	N	N	N	15	50	<10	N	N	N	N	100
8FL030N	N	N	N	20	30	<10	70	N	50	N	30
8FL031N	50	N	N	70	30	500	100	N	200	N	1,000
8FL032N	3	N	N	200	150	<10	70	N	200	N	100
8FL033N	3	N	N	100	50	<10	50	N	300	N	70
8GR001N	200	N	N	20	100	30	300	N	2,000	20	30
8GR002N	500	N	N	N	50	<10	70	N	70	<10	20
8GR003N	70	N	N	N	50	<10	50	N	200	<10	30
8GR004N	500	N	N	N	50	<10	50	N	70	<10	70
8GR005N	300	N	N	N	20	N	50	N	100	<10	20
8GR006N	200	50	N	15	100	N	1,000	N	700	<10	150
8GR007N	100	20	N	10	50	N	200	N	300	<10	20
8GR008N	200	N	N	10	30	<10	2,000	N	1,000	<10	700
8GR009N	300	N	N	15	70	N	200	N	500	<10	1,000
8GR010N	300	N	N	30	30	10	150	N	1,000	<10	700
8GR011N	300	<20	N	10	70	<10	50	N	200	<10	30
8GR014N	200	100	N	20	100	N	500	N	1,000	<10	50
8GR015N	300	N	N	N	20	10	70	N	>5,000	30	300
8GR016N	200	100	N	10	20	10	70	N	2,000	<10	300
8GR017N	50	N	N	20	100	10	50	N	1,500	<10	30
8GR018N	2	N	N	20	50	10	70	N	500	<10	20
8GR019N	500	N	N	30	150	N	100	N	200	<10	20
8GR020N	1,000	N	N	10	100	N	50	N	500	<10	30
8GR021N	300	N	N	10	70	N	50	N	3,000	<10	50
8KM001N	N	N	N	N	30	<10	N	N	N	N	N
8KM002N	N	N	N	N	100	<10	N	N	50	N	N
8KM003N	N	N	N	N	70	10	N	N	<50	N	N
8KM004N	N	N	N	N	20	<10	N	N	50	N	N
8KM005N	200	N	N	20	70	10	N	N	500	10	50
8KM006N	70	N	N	10	50	10	150	N	500	N	200
8KM007N	7	N	N	N	30	100	<50	N	200	N	2,000
8KM008N	2	N	N	N	50	200	N	N	150	N	20
8KM009N	N	N	N	N	30	20	N	N	N	N	<20
8KM010N	N	N	N	N	50	<10	N	N	N	N	N
8KM011N	N	N	N	N	50	<10	N	N	N	N	N
8KM012N	<2	N	N	10	30	700	50	N	150	N	30

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
				A-6--Continued						
8FL020N	N	100	N	<200	300	N	1,500	N	N	N
8FL021N	N	150	N	200	200	N	1,500	N	N	N
8FL022N	N	70	N	<200	200	N	1,500	N	N	N
8FL023N	N	150	200	<200	150	N	1,500	N	N	N
8FL024N	N	100	100	<200	200	N	1,000	N	>2,000	N
8FL025N	N	150	200	<200	150	N	1,000	N	>2,000	N
8FL026N	N	100	200	<200	200	N	1,000	N	>2,000	200
8FL027N	N	20	>2,000	<200	200	N	300	2,000	>2,000	N
8FL028N	N	50	>2,000	<200	100	N	700	N	>2,000	N
8FL029N	N	100	300	<200	150	N	700	N	>2,000	N
8FL030N	N	70	>2,000	200	150	N	700	N	>2,000	300
8FL031N	N	50	>2,000	<200	200	N	500	300	>2,000	N
8FL032N	N	30	>2,000	200	200	N	150	7,000	>2,000	N
8FL033N	N	30	>2,000	N	150	N	100	7,000	>2,000	N
8GR001N	N	20	>2,000	N	100	N	200	700	>2,000	N
8GR002N	N	70	>2,000	N	100	N	300	N	>2,000	N
8GR003N	N	50	>2,000	N	70	N	300	N	>2,000	N
8GR004N	N	30	>2,000	N	100	N	200	N	>2,000	N
8GR005N	N	50	>2,000	N	70	N	200	N	>2,000	N
8GR006N	N	200	>2,000	N	200	N	500	700	>2,000	N
8GR007N	N	100	>2,000	N	100	N	200	N	>2,000	N
8GR008N	N	70	>2,000	N	70	N	200	N	>2,000	500
8GR009N	N	100	>2,000	N	100	N	300	500	>2,000	N
8GR010N	N	70	>2,000	N	100	N	150	N	>2,000	N
8GR011N	N	70	>2,000	N	100	N	150	N	>2,000	N
8GR014N	N	200	>2,000	N	200	N	500	700	>2,000	N
8GR015N	N	10	>2,000	N	50	N	50	N	>2,000	N
8GR016N	N	30	>2,000	N	50	N	300	N	>2,000	N
8GR017N	N	20	>2,000	N	200	N	100	2,000	>2,000	N
8GR018N	N	20	>2,000	N	150	N	100	1,500	>2,000	N
8GR019N	N	20	>2,000	N	150	N	150	1,000	>2,000	N
8GR020N	N	30	>2,000	N	100	N	150	N	>2,000	N
8GR021N	N	15	>2,000	N	70	N	70	N	>2,000	N
8KM001N	N	N	N	N	300	N	<20	1,000	700	N
8KM002N	N	N	<20	N	200	N	<20	<500	1,000	N
8KM003N	N	<10	20	N	200	N	20	1,500	2,000	N
8KM004N	N	<10	1,000	N	200	N	50	N	>2,000	N
8KM005N	N	20	>2,000	N	200	N	150	3,000	>2,000	N
8KM006N	N	20	>2,000	N	200	N	100	5,000	>2,000	N
8KM007N	N	N	>2,000	N	200	N	20	1,500	>2,000	N
8KM008N	N	N	>2,000	N	200	N	20	2,000	1,000	N
8KM009N	N	N	100	200	200	N	<20	3,000	200	N
8KM010N	N	N	150	N	200	N	<20	2,000	700	N
8KM011N	N	N	30	N	200	N	<20	1,000	300	N
8KM012N	N	10	2,000	N	150	N	50	2,000	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-6--Continued							
8KM013N	35 10 24	81 16 34	1.00	.05	.10	>2.00	100	N	N	N	70	700
8KM014N	35 9 8	81 16 52	1.00	.07	.10	>2.00	150	N	N	N	500	50
8KM015N	35 8 35	81 17 44	1.50	.05	.10	>2.00	150	N	N	N	200	100
8KM016N	35 10 45	81 18 17	.70	<.05	.10	>2.00	50	N	N	N	100	200
8KM017N	35 9 44	81 19 0	.50	.05	.15	>2.00	100	3	N	30	30	100
8KM018N	35 9 43	81 18 21	.50	<.05	.10	>2.00	150	N	N	N	50	70
8KM019N	35 8 29	81 20 46	.50	.05	<.10	>2.00	100	N	N	N	20	200
8KM020N	35 8 7	81 21 23	.70	.07	<.10	>2.00	100	N	N	N	30	300
8KM021N	35 9 27	81 20 11	.50	.05	<.10	>2.00	150	N	N	N	20	300
8KM022N	35 9 29	81 20 16	.50	.05	N	>2.00	70	N	N	N	20	500
8KM023N	35 12 19	81 20 25	1.50	.30	.15	>2.00	100	15	N	500	200	70
8KM024N	35 12 16	81 20 23	.20	<.05	N	>2.00	100	10	N	70	20	50
8KM025N	35 12 8	81 20 25	.50	<.05	N	>2.00	100	N	N	N	70	50
9GR022N	35 8 37	81 27 28	.70	3.00	2.00	1.00	150	N	N	N	1,000	N
9GR025N	35 8 5	81 29 5	1.50	3.00	1.50	>2.00	300	N	2,000	N	3,000	<50
9GR026N	35 8 1	81 27 30	1.00	3.00	1.50	>2.00	200	N	N	N	1,000	N
9GR027N	35 11 20	81 29 23	.20	.05	.70	>2.00	200	N	N	N	70	N
9GR028N	35 12 1	81 28 48	.30	.07	.30	>2.00	150	N	N	N	300	N
9GR029N	35 13 26	81 27 25	.30	.07	.30	2.00	150	N	N	N	100	50
9GR030N	35 14 37	81 27 32	.20	<.05	.70	>2.00	200	N	N	N	<20	50
9GR031N	35 14 44	81 29 21	.10	<.05	.10	>2.00	70	N	N	N	200	N
9GR032N	35 13 27	81 29 3	.20	<.05	.10	>2.00	100	N	N	N	150	N
9GR035N	35 13 31	81 24 8	.70	.10	.50	>2.00	200	N	N	N	500	<50
9GR036N	35 7 23	81 29 23	1.00	5.00	1.50	>2.00	500	N	500	N	2,000	N
9GR037N	35 9 10	81 26 9	.10	.20	.20	>2.00	100	N	N	N	300	<50
9GR038N	35 9 27	81 26 15	1.00	7.00	3.00	2.00	500	N	N	N	2,000	N
9GR039N	35 9 27	81 26 20	.30	.15	.20	>2.00	300	N	N	N	200	<50
9GR040N	35 8 52	81 25 2	.70	1.00	.30	1.50	1,000	N	N	N	700	N
9GR041N	35 8 52	81 25 5	.70	1.50	.50	1.00	1,000	N	N	N	1,000	N
9GR042N	35 8 30	81 26 2	.20	.10	.20	>2.00	150	2	N	N	70	100
					A-7							
OBN050N	35 13 54	81 37 48	10.00	.05	<.10	>2.00	100	N	N	N	50	N
OBN050N	35 13 54	81 37 48	10.00	<.05	<.10	>2.00	100	N	N	N	50	N
OBN051N	35 13 3	81 36 40	1.00	<.05	N	>2.00	150	N	N	N	70	N
OBN051N	35 13 3	81 36 40	30.00	<.05	N	.15	20	2	N	N	N	N
OBN052N	35 14 7	81 37 11	3.00	<.05	.10	>2.00	70	N	N	N	50	N
OBN053N	35 14 10	81 37 11	1.50	.15	<.10	>2.00	200	N	N	N	500	N
OBN054N	35 14 50	81 36 45	1.00	.05	<.10	>2.00	70	N	N	N	150	N
OBN054N	35 14 50	81 36 45	1.00	<.05	N	>2.00	100	N	N	N	150	N
OBN055N	35 14 44	81 36 54	3.00	.05	N	>2.00	100	N	N	N	100	N
OBN055N	35 14 44	81 36 54	2.00	.05	<.10	>2.00	150	N	N	N	100	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-6--Continued						
8KM013N	N	N	N	20	70	20	50	N	150	10	20
8KM014N	N	N	N	20	70	10	N	N	100	10	<20
8KM015N	N	N	N	30	50	100	N	N	200	15	100
8KM016N	N	N	N	10	150	10	70	N	150	<10	50
8KM017N	30	N	N	20	70	15	N	10	300	10	70
8KM018N	N	N	N	15	50	10	50	N	200	<10	20
8KM019N	15	N	N	50	50	20	<50	N	300	10	20
8KM020N	<2	N	N	50	30	20	N	N	300	30	30
8KM021N	<2	N	N	20	30	15	N	N	300	<10	50
8KM022N	10	N	N	50	70	15	50	N	500	15	<20
8KM023N	20	N	N	70	100	300	<50	N	200	30	50
8KM024N	N	N	N	10	50	15	50	N	700	N	<20
8KM025N	N	N	N	<10	100	15	N	N	100	N	<20
9GR022N	500	N	N	N	50	10	300	N	300	<10	20
9GR025N	500	N	N	20	100	10	150	N	700	15	<20
9GR026N	500	N	N	10	100	15	100	10	700	10	30
9GR027N	500	N	N	20	50	20	>2,000	20	300	<10	50
9GR028N	300	N	N	20	50	20	>2,000	N	300	N	30
9GR029N	300	N	N	15	30	15	>2,000	N	100	<10	70
9GR030N	200	N	N	10	20	500	150	N	500	N	50
9GR031N	100	N	N	20	200	<10	700	10	1,000	<10	<20
9GR032N	300	N	N	15	150	N	700	10	300	<10	20
9GR035N	700	N	N	15	50	10	>2,000	N	300	N	100
9GR036N	500	20	N	20	70	10	100	N	1,000	10	70
9GR037N	200	N	N	15	200	1,000	50	N	200	10	20
9GR038N	300	N	N	<10	50	200	50	N	10,000	<10	500
9GR039N	200	N	N	10	70	100	50	N	1,500	<10	30
9GR040N	500	N	N	N	100	700	N	N	3,000	20	30
9GR041N	700	N	N	N	70	10	N	N	>5,000	<10	<20
9GR042N	700	N	N	<10	50	10	N	N	500	<10	100
					A-7--Continued						
OBN050N	500	N	N	70	100	150	150	N	500	150	20
OBN050N	500	N	N	15	150	20	N	N	500	30	<20
OBN051N	500	N	N	10	200	<10	N	N	500	10	50
OBN051N	3	N	N	<10	N	20	N	N	N	20	20
OBN052N	500	N	N	10	200	10	N	N	1,000	15	<20
OBN053N	700	N	N	10	200	<10	70	N	700	10	N
OBN054N	500	N	N	15	200	10	70	N	1,500	10	<20
OBN054N	500	N	N	50	300	200	200	N	2,000	<10	500
OBN055N	300	N	N	50	150	70	150	N	2,000	100	30
OBN055N	500	N	N	15	200	15	150	N	500	15	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-6--Continued					
8KM013N	N	15	1,000	N	150	N	50	2,000	>2,000	N
8KM014N	N	20	1,500	N	200	N	100	2,000	>2,000	N
8KM015N	N	<10	>2,000	N	200	N	150	2,000	>2,000	N
8KM016N	N	10	2,000	N	300	N	50	5,000	>2,000	N
8KM017N	N	<10	>2,000	N	200	N	100	7,000	>2,000	N
8KM018N	N	10	700	N	150	N	50	3,000	>2,000	N
8KM019N	N	<10	>2,000	N	100	N	70	10,000	>2,000	N
8KM020N	N	<10	>2,000	N	100	N	50	15,000	>2,000	N
8KM021N	N	10	>2,000	N	100	N	100	3,000	>2,000	N
8KM022N	N	15	>2,000	N	100	N	100	10,000	>2,000	N
8KM023N	N	20	1,000	N	150	200	150	2,000	>2,000	N
8KM024N	N	20	>2,000	N	200	N	150	2,000	>2,000	N
8KM025N	N	<10	>2,000	<200	300	N	20	10,000	2,000	N
9GR022N	N	10	>2,000	N	50	100	30	N	>2,000	N
9GR025N	N	10	>2,000	N	150	N	30	N	>2,000	N
9GR026N	N	10	>2,000	N	100	N	30	N	>2,000	N
9GR027N	N	10	>2,000	N	300	N	500	N	>2,000	1,000
9GR028N	N	20	500	N	150	N	500	N	>2,000	700
9GR029N	N	10	>2,000	N	50	N	1,500	N	>2,000	1,000
9GR030N	N	50	>2,000	N	100	N	500	N	>2,000	N
9GR031N	N	15	1,500	N	300	N	100	N	>2,000	N
9GR032N	N	30	300	N	300	N	150	N	>2,000	N
9GR035N	N	100	>2,000	N	100	N	1,500	N	>2,000	700
9GR036N	N	N	>2,000	N	150	N	50	N	>2,000	N
9GR037N	N	N	>2,000	N	200	N	700	1,000	>2,000	N
9GR038N	N	<10	>2,000	N	70	N	30	N	>2,000	N
9GR039N	N	N	>2,000	N	200	N	70	2,000	>2,000	N
9GR040N	N	N	>2,000	N	50	N	50	N	>2,000	N
9GR041N	N	N	>2,000	N	50	N	30	N	>2,000	N
9GR042N	N	<10	>2,000	N	150	N	150	N	>2,000	N
					A-7--Continued					
OBN050N	N	30	>2,000	N	200	N	200	N	>2,000	N
OBN050N	N	20	>2,000	N	200	N	100	N	>2,000	N
OBN051N	N	50	>2,000	N	300	N	200	N	>2,000	N
OBN051N	N	N	300	N	<20	N	<20	N	200	N
OBN052N	N	30	>2,000	N	300	200	100	N	>2,000	N
OBN053N	N	10	300	N	200	1,000	100	N	1,500	N
OBN054N	N	20	>2,000	N	300	N	100	N	>2,000	N
OBN054N	N	50	>2,000	N	300	N	150	N	>2,000	N
OBN055N	N	30	>2,000	N	200	N	100	N	>2,000	N
OBN055N	N	50	>2,000	N	300	N	150	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-7--Continued							
0BN056N	35 14 43	81 37 31	1.50	<.05	N	>2.00	50	N	N	N	100	N
0BN057N	35 14 43	81 37 33	1.00	.05	.10	>2.00	70	N	N	N	150	N
0BN058N	35 12 53	81 34 28	1.00	.05	<.10	>2.00	150	N	N	N	50	N
0BN059N	35 11 0	81 35 48	1.00	.05	<.10	>2.00	100	N	N	N	50	N
0BN060N	35 11 1	81 35 5	1.00	.05	<.10	>2.00	100	N	N	N	50	N
0BN061N	35 11 30	81 34 28	1.50	.10	.10	>2.00	100	N	N	N	70	N
0BN062N	35 12 8	81 32 30	1.00	<.05	N	>2.00	100	N	N	N	50	N
0BN062N	35 12 8	81 32 30	1.50	<.05	N	>2.00	50	N	N	N	50	N
0BN063N	35 11 32	81 33 30	1.50	.05	<.10	>2.00	70	N	N	N	200	N
0BN064N	35 10 16	81 31 1	1.00	.05	.10	>2.00	100	N	N	N	50	N
0BS001N	35 14 35	81 37 40	.15	<.05	<.10	>2.00	100	N	N	N	20	N
0BS002N	35 10 25	81 42 28	.10	<.05	N	>2.00	50	N	N	N	20	N
0BS003N	35 10 0	81 42 33	.10	<.05	N	>2.00	50	N	N	N	<20	N
0BS004N	35 10 0	81 44 45	.10	<.05	N	>2.00	30	N	N	N	20	N
0BS005N	35 8 57	81 42 35	.10	<.05	N	>2.00	50	N	N	N	100	N
0BS006N	35 8 19	81 42 20	.10	<.05	N	>2.00	50	N	N	N	100	N
0BS007N	35 8 18	81 38 30	.10	<.05	N	>2.00	50	N	N	N	<20	N
0BS008N	35 10 10	81 38 54	.15	<.05	.10	>2.00	30	N	N	N	50	50
0BS009N	35 9 56	81 39 25	.10	<.05	N	>2.00	50	N	N	N	<20	N
0GA019N	35 5 14	81 37 36	1.50	2.00	1.00	>2.00	300	N	N	N	2,000	N
0GA021N	35 2 25	81 43 20	.10	<.05	<.10	>2.00	50	N	N	N	<20	N
0GA022N	35 2 9	81 43 44	.10	<.05	N	>2.00	50	N	N	N	20	N
0GA024N	35 5 6	81 43 17	.10	<.05	N	>2.00	50	N	N	N	<20	N
0GA025N	35 5 7	81 43 17	.10	<.05	N	>2.00	30	N	N	N	<20	N
0GA026N	35 6 45	81 42 44	.10	<.05	N	>2.00	20	N	N	N	20	N
0GA030N	35 4 27	81 41 15	.10	<.05	N	>2.00	20	N	N	N	20	N
0GA031N	35 0 57	81 37 55	.20	<.05	.10	>2.00	70	N	N	30	30	N
8BL001N	35 4 3	81 31 4	2.00	.10	.20	>2.00	100	N	N	N	100	>10,000
8BL002N	35 3 29	81 31 5	10.00	<.05	.20	>2.00	70	N	N	20	100	10,000
8BL003N	35 3 42	81 32 4	10.00	.05	<.10	>2.00	70	10	N	500	30	200
8BL004N	35 4 17	81 32 51	10.00	<.05	.30	>2.00	70	N	N	N	30	>10,000
8BL005N	35 4 41	81 33 20	.30	.05	.15	>2.00	100	N	N	N	200	2,000
8BL006N	35 5 10	81 32 26	.20	.07	.10	>2.00	100	15	N	500	500	300
8BL007N	35 5 29	81 32 0	10.00	1.00	7.00	2.00	2,000	N	N	N	5,000	300
8BL008N	35 5 24	81 31 52	10.00	1.00	7.00	2.00	2,000	N	N	N	5,000	150
8BL009N	35 6 26	81 30 18	10.00	1.50	7.00	2.00	2,000	N	N	N	1,500	150
8BL010N	35 6 29	81 30 21	15.00	1.50	5.00	2.00	2,000	N	N	N	2,000	<50
8BL011N	35 5 57	81 30 37	10.00	2.00	10.00	1.00	1,500	N	N	N	200	50
8BL012N	35 6 36	81 33 24	15.00	3.00	15.00	1.50	2,000	N	N	N	100	50
8BL013N	35 5 29	81 34 9	10.00	1.50	10.00	1.50	1,500	N	N	N	1,000	50
8BL014N	35 4 27	81 36 29	10.00	1.00	1.50	1.00	1,500	N	N	N	2,000	N
8BL015N	35 0 1	81 31 45	20.00	1.00	3.00	2.00	2,000	N	N	N	2,000	<50
8BL016N	35 0 27	81 33 1	10.00	1.00	.70	.70	1,500	N	N	N	1,500	N
8BL017N	35 0 26	81 33 12	7.00	2.00	5.00	>2.00	1,500	N	N	N	>5,000	50
8BL018N	35 1 9	81 35 14	15.00	1.00	3.00	1.00	2,000	N	N	N	5,000	<50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-7--Continued						
OBN056N	500	N	N	20	300	<10	50	N	2,000	10	N
OBN057N	500	N	N	10	200	<10	50	N	1,000	10	N
OBN058N	5	N	N	15	300	10	50	N	1,500	10	N
OBN059N	3	N	N	15	150	10	500	N	150	15	30
OBN060N	7	N	N	10	200	100	100	N	200	10	20
OBN061N	5	N	N	10	200	10	100	N	300	10	N
OBN062N	20	N	N	20	200	15	50	N	1,000	<10	N
OBN062N	15	N	N	30	500	20	200	N	1,500	<10	N
OBN063N	5	N	N	15	200	<10	1,500	N	700	15	<20
OBN064N	200	N	N	15	300	N	300	N	700	<10	N
OBS001N	5	N	N	15	100	N	700	N	500	N	<20
OBS002N	2	N	N	20	150	N	300	N	700	N	<20
OBS003N	N	N	N	20	200	<10	100	N	300	N	<20
OBS004N	5	N	N	10	100	10	500	N	200	N	<20
OBS005N	20	N	N	15	200	N	150	N	300	N	<20
OBS006N	200	N	N	20	200	N	200	N	700	N	<20
OBS007N	3	N	N	20	150	15	100	N	500	N	20
OBS008N	N	N	N	N	70	10	500	N	100	N	<20
OBS009N	N	N	N	20	200	10	50	N	300	N	100
OGA019N	300	N	N	15	150	<10	150	N	300	15	20
OGA021N	<2	N	N	20	200	N	N	10	200	N	N
OGA022N	2	N	N	20	200	N	N	N	200	N	<20
OGA024N	3	N	N	20	200	N	N	N	200	<10	N
OGA025N	10	N	N	20	300	N	200	N	200	N	<20
OGA026N	20	N	N	20	300	N	50	N	300	N	N
OGA030N	15	N	N	20	200	N	N	N	200	N	N
OGA031N	N	N	N	15	100	20	N	N	150	N	N
8BL001N	N	N	N	50	300	20	N	N	50	<10	100
8BL002N	N	N	N	150	30	100	N	N	70	30	50
8BL003N	N	N	N	50	50	50	N	N	50	<10	N
8BL004N	N	N	N	100	30	100	N	N	100	20	30
8BL005N	2	N	N	N	100	10	<50	N	70	<10	3,000
8BL006N	3	N	N	N	200	200	150	N	100	<10	200
8BL007N	N	N	N	15	50	10	500	N	50	10	70
8BL008N	N	N	N	20	70	10	1,000	N	50	<10	70
8BL009N	N	N	N	20	100	10	1,000	N	<50	15	50
8BL010N	10	N	N	50	300	<10	>2,000	N	50	50	30
8BL011N	N	N	N	50	150	10	2,000	N	N	30	50
8BL012N	N	N	N	30	150	10	2,000	N	N	50	30
8BL013N	10	N	N	30	200	<10	>2,000	N	N	50	100
8BL014N	15	N	N	50	300	<10	300	N	50	50	<20
8BL015N	10	N	N	200	300	50	>2,000	N	200	50	100
8BL016N	15	N	N	50	200	<10	200	N	70	50	<20
8BL017N	N	N	N	20	150	<10	>2,000	N	<50	30	50
8BL018N	20	N	N	30	200	<10	2,000	N	150	50	70

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-7--Continued					
0BN056N	N	30	500	N	300	<100	70	N	>2,000	N
0BN057N	N	10	700	N	200	300	50	N	>2,000	N
0BN058N	N	10	50	N	300	100	50	N	>2,000	N
0BN059N	N	100	200	N	150	N	200	700	>2,000	N
0BN060N	N	20	1,000	N	200	N	150	N	>2,000	N
0BN061N	N	10	2,000	N	200	N	30	N	>2,000	N
0BN062N	N	30	200	N	300	N	100	N	>2,000	N
0BN062N	N	30	100	N	500	200	100	N	1,000	N
0BN063N	N	20	2,000	N	300	N	100	N	>2,000	N
0BN064N	N	30	20	N	300	N	150	N	>2,000	N
0BS001N	N	20	<20	N	200	N	150	N	>2,000	500
0BS002N	N	20	N	N	300	N	70	N	>2,000	N
0BS003N	N	70	N	N	300	N	100	N	>2,000	N
0BS004N	N	70	100	N	200	N	200	N	>2,000	300
0BS005N	N	20	<20	N	300	N	70	N	>2,000	200
0BS006N	N	20	50	N	300	N	70	N	>2,000	300
0BS007N	N	150	70	N	200	N	200	N	>2,000	N
0BS008N	N	70	N	N	150	N	500	N	>2,000	300
0BS009N	N	70	700	N	300	N	150	N	>2,000	N
0GA019N	N	10	>2,000	N	200	<100	100	1,000	>2,000	N
0GA021N	N	50	N	N	300	N	150	N	>2,000	N
0GA022N	N	20	<20	N	500	N	100	N	>2,000	N
0GA024N	N	20	N	N	500	N	100	N	>2,000	N
0GA025N	N	15	N	N	500	N	100	N	>2,000	N
0GA026N	N	10	N	N	500	N	30	N	>2,000	N
0GA030N	N	15	N	N	500	N	50	N	>2,000	N
0GA031N	N	15	N	N	200	N	100	N	>2,000	N
8BL001N	N	20	200	200	300	N	200	N	>2,000	N
8BL002N	N	10	1,000	200	150	N	70	N	>2,000	N
8BL003N	N	10	2,000	N	200	N	50	N	>2,000	N
8BL004N	N	<10	500	5,000	100	N	100	N	>2,000	N
8BL005N	N	30	2,000	N	200	N	700	N	>2,000	N
8BL006N	N	20	300	N	300	N	150	N	>2,000	N
8BL007N	N	30	N	2,000	300	N	70	N	1,000	N
8BL008N	N	50	N	2,000	300	N	200	1,000	300	<200
8BL009N	N	50	N	1,500	500	N	150	500	2,000	200
8BL010N	N	15	100	200	300	N	200	<500	1,500	200
8BL011N	N	20	20	500	300	N	200	N	300	200
8BL012N	N	50	20	700	700	N	150	N	200	<200
8BL013N	N	30	1,500	300	500	N	700	N	1,500	700
8BL014N	N	N	20	<200	300	N	50	700	200	N
8BL015N	N	20	70	200	300	<100	700	1,500	2,000	500
8BL016N	N	<10	70	<200	300	N	50	N	200	N
8BL017N	N	20	<20	500	300	N	500	1,000	150	300
8BL018N	N	70	<20	200	500	N	1,500	N	500	700

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-7--Continued							
8BL019N	35 4 8	81 34 8	7.00	1.50	5.00	.50	1,500	N	N	N	2,000	<50
8BL020N	35 3 55	81 34 4	10.00	1.00	.20	.70	2,000	N	N	N	2,000	<50
8BL021N	35 2 56	81 32 5	10.00	.70	15.00	.50	2,000	N	N	N	500	50
8BL022N	35 2 50	81 31 56	10.00	1.00	10.00	.70	3,000	N	N	N	1,000	100
8BL023N	35 1 56	81 36 0	10.00	1.00	20.00	.70	3,000	N	N	N	1,500	70
8BL024N	35 0 53	81 36 33	.50	.15	.15	>2.00	100	N	N	N	700	7,000
8BL025N	35 1 1	81 36 32	.20	.10	.15	>2.00	70	N	N	N	500	7,000
8BL026N	35 1 1	81 36 36	1.00	1.00	1.00	>2.00	100	N	N	N	500	300
8BL027N	35 0 49	81 37 28	.30	1.00	.70	>2.00	150	2	N	300	1,500	100
8BL028N	35 1 27	81 37 18	.50	1.50	1.00	>2.00	200	15	N	150	70	70
8BL029N	35 3 33	81 36 45	.50	3.00	1.00	>2.00	150	N	N	150	50	<50
9BN001N	35 9 59	81 30 18	1.00	.20	2.00	>2.00	1,000	N	N	N	500	300
9BN002N	35 9 38	81 30 17	.50	.20	.70	>2.00	300	N	N	N	300	50
9BN003N	35 9 7	81 30 35	.70	.50	1.00	>2.00	300	N	N	N	200	50
9BN004N	35 10 36	81 30 1	.50	.07	.50	>2.00	500	N	N	N	150	50
9BN005N	35 13 25	81 36 16	.10	<.05	.10	>2.00	50	N	N	N	100	N
9BN006N	35 14 0	81 34 59	<.10	<.05	.50	>2.00	70	N	N	N	20	<50
9BN007N	35 7 57	81 35 19	.50	.20	1.00	>2.00	200	N	N	N	150	70
9BN008N	35 9 1	81 32 26	1.00	.50	.50	>2.00	200	N	N	N	200	70
9BN009N	35 9 31	81 32 11	.70	.15	.20	>2.00	150	N	N	N	50	100
9BN010N	35 8 8	81 31 47	.70	.20	.30	>2.00	150	1	N	N	150	100
9BN011N	35 7 47	81 32 10	1.00	2.00	1.00	>2.00	200	10	N	N	1,000	>10,000
9BN012N	35 12 52	81 33 45	1.00	.15	<.10	>2.00	100	1	N	N	70	2,000
9BN013N	35 12 56	81 33 47	.70	.07	<.10	>2.00	100	1	N	N	50	500
9BN014N	35 13 59	81 32 22	.70	.05	<.10	>2.00	100	1	N	N	100	70
9BN015N	35 14 15	81 32 23	.70	.15	.05	>2.00	150	1	N	N	1,000	70
9BN016N	35 14 1	81 34 59	.70	.05	.05	>2.00	100	1	N	N	50	100
9BN018N	35 13 18	81 36 43	.70	.05	<.10	>2.00	50	1	N	N	70	70
9BN019N	35 13 18	81 36 46	.30	.05	.10	>2.00	100	1	N	N	70	100
9BN021N	35 13 33	81 37 14	.50	.05	.10	>2.00	100	1	N	N	70	100
9BS034N	35 7 7	81 35 52	.15	<.05	<.10	>2.00	70	N	N	N	<20	N
9GA004N	35 6 21	81 39 51	.10	<.05	N	>2.00	50	N	N	<20	20	N
9GA005N	35 5 11	81 42 3	.10	<.05	N	>2.00	50	N	N	N	20	N
9GA006N	35 5 20	81 41 57	.10	<.05	N	>2.00	20	N	N	<20	50	N
9GA007N	35 4 30	81 41 15	.15	<.05	N	>2.00	30	N	N	20	50	N
9GA008N	35 4 56	81 40 25	.10	<.05	N	>2.00	50	N	N	20	50	N
9GA010N	35 0 48	81 37 53	.70	.05	<.10	2.00	100	N	N	N	150	N
9GA011N	35 2 18	81 37 50	.20	.07	.10	>2.00	100	N	N	N	30	N
9GA012N	35 3 41	81 42 52	.10	<.05	N	>2.00	70	N	N	N	30	N
9GA013N	35 3 41	81 42 50	.10	<.05	N	>2.00	70	N	N	N	<20	<50
9GA014N	35 2 30	81 41 11	.30	1.00	.70	>2.00	200	N	N	N	200	N
9GA015N	35 4 59	81 40 3	.10	<.05	N	>2.00	50	N	N	N	20	N
9GA016N	35 6 17	81 44 39	.10	<.05	N	>2.00	70	N	N	N	<20	N
9GA017N	35 7 29	81 40 42	.10	<.05	N	>2.00	70	N	N	N	<20	N
9GA018N	35 7 0	81 38 37	.10	<.05	N	>2.00	70	N	N	N	<20	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-7--Continued						
8BL019N	7	N	N	10	100	<10	>2,000	N	N	10	30
8BL020N	20	N	N	50	300	<10	1,500	N	<50	50	30
8BL021N	N	N	N	20	100	10	500	N	N	<10	50
8BL022N	2	N	N	30	70	20	500	N	<50	20	50
8BL023N	N	N	N	20	70	20	700	N	N	<10	70
8BL024N	7	N	N	10	50	<10	100	N	100	<10	30
8BL025N	N	N	N	10	50	<10	N	N	150	<10	<20
8BL026N	2	N	N	20	100	<10	N	N	100	<10	150
8BL027N	50	N	N	10	150	<10	N	N	100	<10	30
8BL028N	3	N	N	10	100	<10	30	N	50	<10	50
8BL029N	N	N	N	10	100	<10	N	N	50	<10	20
9BN001N	>2,000	50	N	10	200	10	700	N	500	20	1,500
9BN002N	>2,000	<20	N	20	200	10	200	N	1,000	<10	300
9BN003N	>2,000	20	N	20	300	30	100	N	2,000	10	300
9BN004N	2,000	70	N	15	100	500	700	N	700	<10	200
9BN005N	10	N	N	N	200	N	100	N	100	N	<20
9BN006N	<2	N	N	N	50	N	100	N	50	N	20
9BN007N	100	N	N	15	100	30	100	10	300	15	500
9BN008N	20	20	N	15	200	10	700	N	150	10	50
9BN009N	150	N	N	20	300	10	300	N	200	10	50
9BN010N	150	N	N	20	200	10	>2,000	N	300	10	70
9BN011N	150	N	N	15	100	700	200	N	2,000	20	300
9BN012N	10	N	N	15	200	20	500	N	1,000	15	20
9BN013N	50	N	N	15	200	<10	1,000	N	1,000	10	50
9BN014N	5	N	N	20	300	N	150	N	1,000	10	70
9BN015N	50	N	N	20	300	10	2,000	N	1,000	20	70
9BN016N	30	N	N	30	300	<10	200	N	1,500	15	50
9BN018N	30	N	N	10	200	N	150	N	1,000	15	200
9BN019N	10	N	N	15	150	N	2,000	N	700	10	30
9BN021N	50	N	N	15	300	10	150	N	1,000	15	20
9BS034N	<2	N	N	<10	70	N	200	N	70	<10	<20
9GA004N	3	N	N	20	200	<10	50	10	200	N	<20
9GA005N	3	N	N	20	300	N	300	10	150	N	<20
9GA006N	3	N	N	20	300	N	500	10	200	N	<20
9GA007N	2	N	N	30	200	N	2,000	15	200	N	20
9GA008N	3	N	N	30	200	N	150	15	200	N	<20
9GA010N	N	N	N	<10	70	<10	50	N	70	N	N
9GA011N	3	N	N	15	300	<10	70	10	300	<10	20
9GA012N	5	N	N	15	200	<10	70	10	200	<10	N
9GA013N	3	N	N	15	200	<10	50	10	300	N	N
9GA014N	70	N	N	10	100	100	700	N	150	<10	20
9GA015N	100	N	N	20	150	N	50	30	500	<10	30
9GA016N	300	N	N	20	200	N	200	10	300	10	N
9GA017N	5	N	N	15	200	15	70	20	150	10	N
9GA018N	3	N	N	20	150	N	70	15	200	<10	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-7--Continued					
8BL019N	N	<10	20	300	300	N	200	N	100	N
8BL020N	N	10	N	N	300	N	200	1,000	300	300
8BL021N	N	30	N	1,000	700	N	100	N	300	N
8BL022N	N	20	N	1,000	700	N	70	1,000	200	N
8BL023N	N	70	N	2,000	1,000	N	150	N	500	200
8BL024N	N	10	<20	500	150	N	100	1,000	>2,000	N
8BL025N	N	10	200	200	150	N	150	1,000	>2,000	N
8BL026N	N	10	700	N	150	N	70	1,000	>2,000	N
8BL027N	N	50	>2,000	N	150	N	700	N	>2,000	N
8BL028N	N	50	500	N	200	N	700	N	>2,000	N
8BL029N	N	15	>2,000	N	150	N	500	N	>2,000	N
9BN001N	N	100	>2,000	N	150	N	500	500	>2,000	300
9BN002N	N	100	>2,000	N	150	200	300	N	>2,000	N
9BN003N	N	70	>2,000	N	200	100	150	N	>2,000	N
9BN004N	N	200	>2,000	N	150	100	700	N	>2,000	N
9BN005N	N	15	<20	N	300	N	200	N	>2,000	N
9BN006N	N	30	N	N	150	N	700	N	>2,000	N
9BN007N	N	70	2,000	N	200	500	300	N	>2,000	N
9BN008N	N	30	500	N	200	100	200	500	>2,000	N
9BN009N	N	50	2,000	N	200	N	150	N	>2,000	N
9BN010N	N	10	1,500	N	200	N	500	2,000	>2,000	1,500
9BN011N	N	20	>2,000	500	150	200	100	N	>2,000	N
9BN012N	N	30	500	N	200	100	100	N	>2,000	N
9BN013N	N	100	2,000	N	200	100	150	N	>2,000	N
9BN014N	N	150	1,500	N	200	100	200	N	>2,000	N
9BN015N	N	50	700	N	200	100	300	N	>2,000	500
9BN016N	N	70	200	N	200	100	150	N	>2,000	N
9BN018N	N	50	200	N	200	N	200	N	>2,000	N
9BN019N	N	70	30	N	200	N	500	N	>2,000	700
9BN021N	N	20	1,000	N	200	N	50	N	>2,000	N
9BS034N	N	70	200	N	100	N	300	N	>2,000	<200
9GA004N	N	15	200	N	200	N	30	N	>2,000	N
9GA005N	N	30	70	N	300	N	70	N	>2,000	N
9GA006N	N	10	N	N	300	N	50	N	>2,000	N
9GA007N	N	20	500	N	300	N	100	N	>2,000	500
9GA008N	N	15	30	N	500	N	50	N	>2,000	N
9GA010N	N	10	100	N	150	N	30	N	>2,000	N
9GA011N	N	15	500	N	200	N	70	N	>2,000	N
9GA012N	N	10	50	N	500	N	70	N	>2,000	N
9GA013N	N	20	200	N	500	N	50	N	>2,000	N
9GA014N	N	30	2,000	N	200	N	300	N	>2,000	300
9GA015N	N	20	50	N	300	N	50	N	>2,000	N
9GA016N	N	20	100	N	500	N	50	N	>2,000	200
9GA017N	N	20	100	N	500	N	70	N	>2,000	N
9GA018N	N	15	N	N	500	N	50	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-8							
9CP001N	35 14 13	81 58 38	.15	<.05	N	>2.00	100	N	N	N	30	<50
9CP002N	35 11 14	81 58 59	.10	<.05	N	>2.00	70	N	N	N	30	50
9CP003N	35 7 25	81 57 31	.20	<.05	N	>2.00	100	N	N	N	20	<50
9CP004N	35 11 4	81 53 54	.15	<.05	<.10	>2.00	100	N	N	N	30	<50
9CP005N	35 0 37	81 58 29	.10	<.05	.15	>2.00	70	N	N	N	30	50
9CP006N	35 0 42	81 59 2	.20	<.05	.20	>2.00	70	N	N	N	30	50
9CP007N	35 1 17	81 59 5	.20	<.05	N	>2.00	100	N	N	N	20	50
9CP008N	35 2 2	81 59 40	.20	<.05	N	>2.00	150	N	N	N	50	70
9CP009N	35 5 12	81 59 52	.20	<.05	N	>2.00	100	N	N	N	50	<50
9CP010N	35 6 59	81 56 56	.20	<.05	N	>2.00	100	N	N	N	20	<50
9CP011N	35 2 25	81 57 2	.20	.05	N	>2.00	70	N	N	N	500	<50
9CP012N	35 2 16	81 56 19	.20	.07	N	>2.00	50	N	N	N	500	<50
9CP013N	35 1 57	81 56 29	.10	<.05	N	>2.00	50	N	N	N	150	50
9CP014N	35 4 24	81 54 22	.20	<.05	N	>2.00	50	N	N	N	150	50
9CP015N	35 6 12	81 50 48	.15	<.05	N	>2.00	50	N	N	N	100	<50
9CP016N	35 6 30	81 50 22	.20	<.05	N	>2.00	50	N	N	N	50	<50
9CP017N	35 6 28	81 50 14	.20	<.05	N	>2.00	50	N	N	N	70	<50
9CP018N	35 6 48	81 48 50	.20	<.05	N	>2.00	100	N	N	N	50	<50
9CP019N	35 7 12	81 48 16	.30	<.05	N	>2.00	70	N	N	N	50	<50
9CP020N	35 6 51	81 48 12	.10	.10	N	>2.00	70	N	N	N	1,000	<50
9CP021N	35 5 17	81 47 20	.20	.05	N	>2.00	100	N	N	N	500	<50
9CP022N	35 4 12	81 47 40	.10	<.05	N	>2.00	100	N	N	N	50	<50
9CP023N	35 2 30	81 47 59	.10	<.05	N	>2.00	50	N	N	N	70	<50
9CP024N	35 1 38	81 47 20	.10	<.05	N	>2.00	50	N	N	N	70	<50
9CP025N	35 1 58	81 45 3	.10	<.05	N	>2.00	150	N	N	N	100	N
9CP026N	35 1 27	81 46 27	.20	<.05	N	>2.00	70	N	N	N	150	<50
9CP027N	35 0 3	81 46 24	.10	<.05	.10	>2.00	100	N	N	N	20	N
9CP028N	35 0 21	81 45 23	.10	.07	.10	>2.00	70	N	N	N	50	<50
9CP029N	35 3 2	81 45 43	.15	.05	N	>2.00	200	N	N	N	200	N
9CP030N	35 2 58	81 45 50	.10	<.05	N	>2.00	100	N	N	N	70	N
9CP031N	35 5 3	81 46 0	.10	<.05	N	>2.00	150	N	N	N	20	N
9CP032N	35 5 52	81 46 38	.10	<.05	N	>2.00	100	N	N	N	20	N
9CP033N	35 5 54	81 47 0	.15	<.05	N	>2.00	70	N	N	N	20	N
9CP034N	35 6 15	81 45 15	.10	<.05	N	>2.00	100	N	N	N	30	N
9CP035N	35 13 11	81 55 54	.10	<.05	N	>2.00	100	N	N	N	20	N
9CP036N	35 10 32	81 51 53	.10	<.05	N	>2.00	150	N	N	N	30	<50
9CP037N	35 10 17	81 51 8	.15	<.05	<.10	>2.00	100	N	N	N	50	<50
9CP038N	35 9 29	81 50 1	.15	<.05	N	>2.00	100	N	N	N	50	<50
9CP039N	35 10 43	81 50 25	.20	<.05	<.10	>2.00	100	N	N	N	100	<50
9CP040N	35 11 0	81 50 1	.20	<.05	<.10	>2.00	100	N	N	N	70	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-8--Continued						
9CP001N	<2	N	N	15	150	10	100	N	200	<10	N
9CP002N	2	N	N	20	200	N	70	N	300	<10	N
9CP003N	3	N	N	30	300	10	150	N	1,000	10	N
9CP004N	3	N	N	20	150	N	100	N	500	<10	30
9CP005N	15	N	N	15	100	10	2,000	N	300	<10	70
9CP006N	7	N	N	20	100	20	50	N	700	<10	N
9CP007N	7	N	N	20	150	N	200	N	700	10	70
9CP008N	50	N	N	20	150	<10	500	N	1,000	<10	30
9CP009N	20	N	N	30	150	<10	1,000	N	1,000	<10	20
9CP010N	5	N	N	30	200	<10	150	N	500	<10	20
9CP011N	100	N	N	30	300	<10	700	N	700	<10	50
9CP012N	70	N	N	15	200	<10	1,500	N	300	<10	30
9CP013N	15	N	N	20	300	<10	500	N	500	10	20
9CP014N	10	N	N	20	300	<10	300	N	500	<10	50
9CP015N	20	N	N	20	300	<10	300	N	700	<10	20
9CP016N	7	N	N	20	200	<10	300	N	300	<10	20
9CP017N	5	N	N	20	200	10	300	N	500	<10	20
9CP018N	30	N	N	20	200	<10	300	N	500	10	20
9CP019N	10	N	N	15	200	<10	300	N	700	<10	N
9CP020N	100	N	N	20	300	<10	500	N	500	<10	N
9CP021N	15	N	N	20	300	10	700	N	500	10	N
9CP022N	5	N	N	20	200	N	300	N	200	<10	<20
9CP023N	7	N	N	20	200	15	1,000	N	500	<10	20
9CP024N	3	N	N	20	200	N	70	N	500	<10	N
9CP025N	5	N	N	30	300	N	50	N	500	<10	N
9CP026N	10	N	N	20	300	N	70	N	300	10	N
9CP027N	3	N	N	20	100	N	100	10	500	<10	<20
9CP028N	10	N	N	20	100	N	500	N	700	<10	20
9CP029N	5	N	N	30	300	N	50	N	500	10	N
9CP030N	2	N	N	20	300	N	50	N	500	<10	N
9CP031N	3	N	N	20	200	N	70	N	500	<10	N
9CP032N	3	N	N	15	150	N	50	N	700	10	N
9CP033N	100	N	N	20	200	N	50	N	500	<10	N
9CP034N	30	N	N	20	200	N	50	N	300	<10	N
9CP035N	3	N	N	20	150	<10	50	N	700	<10	N
9CP036N	10	N	N	20	300	<10	70	N	500	<10	N
9CP037N	10	N	N	15	150	<10	50	N	1,000	10	<20
9CP038N	50	N	N	20	200	10	50	N	1,000	<10	N
9CP039N	15	N	N	15	200	<10	70	N	1,000	10	300
9CP040N	20	N	N	10	150	20	50	N	150	10	30

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-8--Continued					
9CP001N	N	150	N	N	300	N	200	N	>2,000	N
9CP002N	N	200	N	N	300	N	200	N	>2,000	N
9CP003N	N	70	20	N	300	N	70	N	>2,000	N
9CP004N	N	200	200	N	300	N	200	N	>2,000	200
9CP005N	N	100	20	N	200	N	200	N	>2,000	700
9CP006N	N	100	N	N	200	N	200	N	>2,000	N
9CP007N	N	100	150	N	200	N	150	N	>2,000	N
9CP008N	N	150	70	N	200	N	200	N	>2,000	N
9CP009N	N	50	100	N	200	N	150	N	>2,000	N
9CP010N	N	100	200	N	300	N	150	N	>2,000	N
9CP011N	N	150	>2,000	N	300	N	200	N	>2,000	N
9CP012N	N	50	700	N	200	N	200	N	>2,000	200
9CP013N	N	70	30	N	300	N	150	N	>2,000	N
9CP014N	N	100	100	N	200	N	150	N	>2,000	N
9CP015N	N	100	200	N	300	N	200	N	>2,000	N
9CP016N	N	70	<20	N	300	N	200	N	>2,000	N
9CP017N	N	50	<20	N	300	N	200	N	>2,000	N
9CP018N	N	100	<20	N	300	N	200	N	>2,000	N
9CP019N	N	50	<20	N	300	N	150	N	>2,000	N
9CP020N	N	70	20	N	300	N	100	N	>2,000	N
9CP021N	N	30	<20	N	300	N	150	N	>2,000	N
9CP022N	N	70	N	N	200	N	150	N	>2,000	N
9CP023N	N	100	20	N	200	N	150	N	>2,000	N
9CP024N	N	70	50	N	300	N	100	N	>2,000	N
9CP025N	N	30	20	N	500	N	70	N	>2,000	N
9CP026N	N	50	20	N	500	N	100	N	>2,000	N
9CP027N	N	100	150	N	300	N	150	N	>2,000	N
9CP028N	N	150	300	N	200	N	200	N	>2,000	N
9CP029N	N	20	N	N	500	N	70	N	>2,000	N
9CP030N	N	30	50	N	500	N	70	N	>2,000	N
9CP031N	N	70	N	N	300	N	200	N	>2,000	N
9CP032N	N	70	500	N	200	N	200	N	>2,000	N
9CP033N	N	70	<20	N	200	N	150	N	>2,000	N
9CP034N	N	70	300	N	200	N	300	N	>2,000	N
9CP035N	N	70	700	N	200	N	200	N	>2,000	N
9CP036N	N	100	30	N	300	N	200	N	>2,000	N
9CP037N	N	70	50	N	200	N	200	N	>2,000	N
9CP038N	N	70	100	N	300	N	100	N	>2,000	N
9CP039N	N	50	150	N	300	N	100	N	>2,000	N
9CP040N	N	100	>2,000	N	200	N	300	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-8--Continued							
9CP041N	35 11 49	81 48 26	.20	<.05	N	>2.00	50	N	N	N	70	50
9CP042N	35 11 59	81 47 44	.20	<.05	<.10	>2.00	70	N	N	N	50	N
9CP043N	35 10 20	81 49 15	.20	<.05	N	>2.00	70	N	N	N	50	N
9CP044N	35 9 22	81 45 59	.15	<.05	N	>2.00	70	N	N	N	50	<50
					B-1							
8A001N	35 28 59	80 1 19	.70	.10	.10	>2.00	500	2	N	<20	30	100
8A002N	35 29 22	80 4 8	1.00	.70	2.00	>2.00	700	N	N	N	30	150
8A003N	35 29 21	80 3 59	1.50	.50	5.00	1.00	700	N	N	N	30	300
8A004N	35 29 2	80 3 33	.50	.07	1.00	>2.00	700	N	N	N	20	70
8A005N	35 27 7	80 1 44	.70	.50	.30	>2.00	700	N	N	N	20	500
8A006N	35 26 44	80 2 18	.50	.10	.15	>2.00	700	N	N	N	20	200
8A007N	35 26 3	80 1 52	.70	.10	.10	>2.00	500	N	N	N	50	500
8A008N	35 24 46	80 1 23	.70	.10	.15	>2.00	300	N	N	N	30	200
8A009N	35 23 36	80 0 53	.70	.15	.50	>2.00	500	N	N	N	30	200
8A010N	35 25 34	80 0 43	.70	.10	.50	>2.00	700	N	N	N	30	300
8A011N	35 22 45	80 1 44	.70	.20	1.00	>2.00	700	N	N	N	20	150
8A012N	35 21 35	80 2 19	.70	.30	1.50	>2.00	700	N	N	N	20	200
8A013N	35 20 22	80 3 10	.50	.15	.50	>2.00	500	N	N	N	30	100
8A014N	35 18 28	80 0 45	.50	.20	.20	>2.00	300	N	N	N	30	200
8A015N	35 15 6	80 2 44	.20	.07	.50	>2.00	500	N	N	N	20	70
8A016N	35 16 49	80 1 20	.20	.05	.15	>2.00	200	N	N	N	50	70
8A017N	35 17 43	80 3 36	.30	.07	.10	>2.00	200	N	N	N	30	150
8A018N	35 15 14	80 4 17	.20	.05	.30	>2.00	150	N	N	N	30	70
8A019N	35 19 36	80 3 20	.70	.50	.70	>2.00	500	N	N	N	30	100
8A020N	35 27 48	80 13 21	.20	.50	.50	>2.00	200	N	N	N	30	70
8A021N	35 28 29	80 14 31	.50	.10	.10	>2.00	200	N	N	20	50	70
8A022N	35 27 18	80 10 1	.50	.15	.50	>2.00	700	N	N	N	50	100
8A023N	35 25 35	80 10 52	.20	.05	.10	>2.00	100	N	N	N	30	100
8A024N	35 25 23	80 8 58	1.00	.10	.50	2.00	200	N	N	N	70	150
8A025N	35 24 38	80 11 53	.70	.10	.10	>2.00	100	N	N	N	30	150
8A026N	35 25 16	80 14 0	1.50	.10	.15	>2.00	150	500	N	1,000	30	3,000
8A027N	35 23 20	80 7 17	1.00	.15	<.10	>2.00	500	N	N	N	30	200
8A028N	35 20 58	80 7 4	7.00	.20	2.00	1.00	1,500	N	N	N	50	200
8A029N	35 20 21	80 5 58	.70	.20	1.00	>2.00	500	N	N	N	30	150
8A030N	35 17 51	80 6 56	1.00	.10	.70	>2.00	500	N	N	N	50	100
8A031N	35 15 53	80 7 12	.50	.07	.20	>2.00	100	N	N	20	30	50
8A032N	35 15 24	80 8 26	.70	.10	.20	>2.00	500	10	N	100	30	150
8A033N	35 19 11	80 9 20	1.00	.20	1.50	>2.00	500	N	N	N	50	200
8A034N	35 17 13	80 13 14	1.00	.10	<.10	>2.00	150	50	N	N	30	150
8LE012N	35 25 1	80 14 43	1.00	.10	.10	1.00	300	N	N	N	70	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-8--Continued						
9CP041N	50	N	N	10	200	N	150	N	700	10	<20
9CP042N	150	N	N	15	150	20	50	N	1,000	<10	50
9CP043N	70	N	N	15	100	500	50	N	1,000	<10	30
9CP044N	15	N	N	20	200	15	70	N	1,000	10	<20
					B-1--Continued						
8A001N	2	N	N	20	150	10	50	10	50	<10	70
8A002N	N	N	N	20	300	10	150	15	70	<10	50
8A003N	N	<20	N	15	200	15	50	N	<50	<10	1,500
8A004N	200	N	N	15	150	<10	50	N	70	<10	30
8A005N	3	N	100	30	500	15	500	N	70	20	2,000
8A006N	3	N	N	30	100	15	300	N	50	<10	10,000
8A007N	5	N	N	20	200	700	500	20	100	<10	15,000
8A008N	2	20	N	20	150	20	100	N	70	<10	7,000
8A009N	<2	N	N	10	100	<10	50	N	50	<10	100
8A010N	<2	N	N	10	100	<10	100	N	100	<10	100
8A011N	<2	30	N	15	200	100	50	N	50	<10	300
8A012N	N	N	N	10	100	<10	50	N	70	<10	150
8A013N	N	N	N	10	150	<10	50	N	100	<10	100
8A014N	5	N	N	20	300	<10	70	N	100	<10	300
8A015N	2	N	N	20	500	200	200	N	70	<10	100
8A016N	N	N	N	10	100	N	50	N	100	<10	100
8A017N	2	N	N	20	300	N	70	N	100	<10	150
8A018N	N	N	N	20	300	N	50	N	100	<10	50
8A019N	15	N	N	30	200	10	50	N	70	20	100
8A020N	<2	N	N	20	500	300	50	N	70	<10	200
8A021N	3	N	N	50	200	10	50	N	100	<10	700
8A022N	<2	N	N	10	150	<10	70	N	100	<10	70
8A023N	3	N	N	20	150	<10	70	N	100	<10	100
8A024N	N	<20	N	10	50	<10	50	N	<50	<10	70
8A025N	100	N	N	20	150	100	100	N	100	<10	300
8A026N	5	20	N	50	150	2,000	150	N	150	30	150
8A027N	3	N	>1,000	20	200	20	50	10	70	<10	70
8A028N	2	N	N	30	700	50	50	N	<50	20	70
8A029N	2	N	N	15	300	10	50	N	<50	<10	70
8A030N	<2	N	N	15	500	10	50	N	50	<10	300
8A031N	30	N	N	20	1,000	<10	50	N	70	<10	100
8A032N	2	N	50	20	500	10	100	N	50	<10	100
8A033N	N	N	N	10	300	<10	100	N	50	<10	50
8A034N	N	N	N	30	150	100	70	20	70	50	500
8LE012N	50	N	N	N	200	<10	50	N	200	<10	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-8--Continued					
9CP041N	N	30	70	N	200	N	100	N	>2,000	N
9CP042N	N	100	>2,000	N	200	N	200	N	>2,000	N
9CP043N	N	100	>2,000	N	200	N	200	N	>2,000	N
9CP044N	N	50	200	N	300	N	100	N	>2,000	N
					B-1--Continued					
8A001N	N	20	200	N	150	N	70	N	2,000	N
8A002N	N	70	30	<200	200	N	300	N	2,000	N
8A003N	N	20	30	500	500	N	30	N	1,500	N
8A004N	N	50	20	200	200	N	150	N	>2,000	N
8A005N	N	30	20	500	1,500	N	100	N	1,500	N
8A006N	N	30	100	200	150	N	150	N	1,500	N
8A007N	N	50	20	500	150	<100	100	N	2,000	N
8A008N	N	30	300	N	150	N	200	1,000	>2,000	N
8A009N	N	70	<20	<200	100	N	300	1,000	>2,000	N
8A010N	N	70	<20	200	100	N	200	N	>2,000	N
8A011N	700	70	>2,000	200	150	N	150	2,000	>2,000	N
8A012N	N	50	<20	200	150	N	150	N	>2,000	N
8A013N	N	70	20	<200	100	N	200	N	>2,000	N
8A014N	N	100	2,000	<200	100	N	150	N	>2,000	N
8A015N	N	70	30	<200	100	N	200	N	>2,000	N
8A016N	N	100	2,000	<200	100	N	300	N	>2,000	N
8A017N	N	70	20	<200	100	N	300	N	>2,000	N
8A018N	N	70	500	<200	150	N	200	N	>2,000	N
8A019N	N	30	<20	<200	100	N	200	1,500	>2,000	N
8A020N	N	30	200	<200	150	<100	50	N	>2,000	N
8A021N	N	70	150	<200	100	N	150	500	>2,000	N
8A022N	N	30	300	300	100	N	150	N	>2,000	N
8A023N	N	50	20	<200	100	<100	100	N	1,000	N
8A024N	N	15	150	200	100	N	100	N	>2,000	N
8A025N	N	30	100	<200	100	<100	100	N	1,500	N
8A026N	N	20	>2,000	200	70	N	300	1,000	>2,000	N
8A027N	N	150	20	<200	200	N	100	10,000	500	N
8A028N	N	30	20	500	500	N	70	N	1,000	N
8A029N	N	30	20	<200	300	N	150	N	2,000	N
8A030N	N	30	150	<200	500	N	100	N	>2,000	N
8A031N	N	50	300	<200	500	N	150	N	>2,000	N
8A032N	N	30	30	<200	300	N	70	2,000	>2,000	N
8A033N	N	30	N	300	300	N	100	N	>2,000	N
8A034N	N	100	150	<200	150	N	100	N	>2,000	N
8LE012N	N	N	>2,000	<200	150	N	50	N	1,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-1--Continued							
8LE013N	35 25 7	80 12 36	.50	.10	.10	>2.00	150	N	N	N	70	N
					B-2							
8MP001N	35 15 3	80 21 47	.30	.07	<.10	>2.00	500	N	N	<20	20	100
8MP002N	35 15 39	80 23 58	.50	.05	<.10	>2.00	500	N	N	N	<20	70
8MP003N	35 15 39	80 24 3	.50	.05	<.10	>2.00	300	N	N	<20	<20	100
8MP004N	35 16 6	80 19 37	.30	.05	N	>2.00	150	N	N	N	<20	50
8MP005N	35 18 30	80 16 2	.70	.05	.10	>2.00	150	N	N	N	20	200
8MP006N	35 17 2	80 18 2	.10	<.05	.10	>2.00	100	N	N	N	<20	70
8MP007N	35 16 42	80 19 14	.10	.20	<.10	>2.00	200	N	N	20	<20	100
8MP008N	35 17 33	80 21 23	.10	.05	<.10	>2.00	100	N	N	30	<20	150
8MP009N	35 17 28	80 22 44	.20	.05	N	>2.00	200	N	N	20	20	100
8MP010N	35 17 29	80 25 32	.30	<.05	<.10	>2.00	150	N	N	20	<20	100
8MP011N	35 17 49	80 26 12	.30	.10	N	>2.00	200	N	N	50	<20	100
8MP012N	35 18 22	80 26 42	.30	.15	N	>2.00	500	N	N	200	20	150
8MP013N	35 17 11	80 29 29	.50	.15	.15	>2.00	200	N	N	N	<20	200
8MP014N	35 19 17	80 29 16	.30	.10	5.00	2.00	500	N	N	N	<20	50
8MP015N	35 19 5	80 28 39	.50	.10	.10	>2.00	150	N	N	N	<20	500
8MP016N	35 16 25	80 27 55	.50	.15	N	>2.00	300	N	N	30	20	200
8MP018N	35 24 1	80 28 46	1.00	3.00	1.00	1.50	1,000	N	N	N	<20	150
8MP019N	35 23 54	80 28 48	.20	.05	.30	1.00	1,000	N	N	N	20	500
8MP020N	35 23 14	80 26 16	.20	.05	.50	2.00	500	N	N	<20	<20	1,000
8MP021N	35 22 30	80 27 33	.50	.10	.30	>2.00	200	N	N	N	<20	10,000
8MP022N	35 21 42	80 27 16	.70	.15	.50	>2.00	500	N	N	N	20	500
8MP023N	35 21 32	80 27 18	.70	.10	.50	>2.00	500	N	N	N	<20	100
8MP024N	35 21 7	80 27 1	.50	.05	.50	>2.00	500	10	N	1,000	<20	150
8MP025N	35 21 10	80 28 49	.70	.10	1.00	>2.00	700	N	N	N	<20	150
8MP026N	35 21 9	80 28 55	.30	.07	.30	2.00	300	N	N	N	20	700
8MP027N	35 20 8	80 27 40	.50	.50	.70	>2.00	500	N	N	N	<20	300
8MP028N	35 20 33	80 26 9	1.00	.10	2.00	2.00	300	N	700	N	<20	150
8MP029N	35 19 35	80 26 51	.50	.15	.20	>2.00	500	N	N	N	20	200
8MP030N	35 21 18	80 25 36	.70	.10	.50	>2.00	150	N	N	N	<20	150
8MP031N	35 21 52	80 25 13	.70	.20	.15	>2.00	300	N	N	N	100	300
8MP032N	35 22 13	80 25 21	.70	.15	.50	>2.00	1,000	N	N	N	100	70
8MP033N	35 20 2	80 23 52	.50	.05	N	>2.00	150	N	N	N	<20	50
8MP034N	35 19 14	80 23 3	.10	.05	N	>2.00	300	N	N	<20	<20	100
8MP035N	35 19 39	80 22 45	.50	.07	N	>2.00	300	N	N	N	20	200
8MP036N	35 21 1	80 22 43	.70	.15	.10	>2.00	300	N	N	N	30	300
8MP037N	35 21 7	80 22 44	.70	.15	.50	>2.00	300	N	N	N	30	300
8MP038N	35 21 11	80 21 13	.70	.15	<.10	>2.00	150	N	N	N	30	700
8MP039N	35 20 3	80 20 35	.50	.07	<.10	>2.00	100	N	N	20	<20	200
8MP040N	35 19 54	80 20 9	.20	.05	<.10	>2.00	100	N	N	N	<20	100
8MP041N	35 20 3	80 18 41	.70	.70	.50	>2.00	200	N	N	N	50	500

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-1--Continued						
8LE013N	50	N	N	N	150	N	70	N	200	<10	N
					B-2--Continued						
8MP001N	<2	N	N	10	150	50	100	N	70	<10	20
8MP002N	<2	N	N	10	200	10	100	N	50	<10	70
8MP003N	<2	N	N	20	200	<10	100	N	70	30	20
8MP004N	2	N	N	10	70	1,500	70	N	50	<10	20
8MP005N	<2	N	N	50	200	<10	50	N	50	<10	7,000
8MP006N	<2	N	N	30	100	<10	100	N	50	<10	20
8MP007N	<2	N	N	100	200	<10	100	N	100	<10	20
8MP008N	5	N	N	20	150	20	100	N	70	<10	20
8MP009N	<2	N	N	10	150	<10	70	N	50	<10	50
8MP010N	<2	N	N	100	100	10	100	N	100	<10	50
8MP011N	<2	N	N	20	150	<10	100	N	70	<10	20
8MP012N	2	N	N	15	150	<10	70	N	50	<10	100
8MP013N	5	N	N	15	100	<10	70	N	50	<10	70
8MP014N	2	N	N	10	70	<10	500	N	50	<10	1,500
8MP015N	<2	N	N	20	70	<10	50	N	70	<10	50
8MP016N	3	N	N	20	100	<10	50	N	50	<10	<20
8MP018N	3	N	N	15	200	<10	150	N	70	50	150
8MP019N	2	N	N	15	50	<10	200	N	50	20	100
8MP020N	2	N	N	10	70	<10	150	N	50	<10	70
8MP021N	3	N	N	20	100	20	70	N	70	<10	30
8MP022N	3	N	N	20	150	70	50	N	50	<10	200
8MP023N	5	N	N	15	150	<10	50	N	50	<10	50
8MP024N	3	N	50	10	100	200	70	N	50	<10	20
8MP025N	5	N	N	10	100	<10	150	N	50	<10	30
8MP026N	3	N	N	20	30	<10	50	N	<50	<10	<20
8MP027N	5	N	N	15	200	10	100	N	50	<10	100
8MP028N	5	N	N	15	70	20	200	N	70	<10	30
8MP029N	7	N	N	20	150	1,000	50	N	100	<10	30
8MP030N	3	N	<50	20	150	30	100	N	70	<10	100
8MP031N	5	N	N	10	100	<10	50	N	70	<10	100
8MP032N	5	N	N	10	150	<10	50	N	70	<10	700
8MP033N	2	N	N	20	50	50	50	N	50	<10	100
8MP034N	2	N	N	15	100	<10	100	N	100	<10	20
8MP035N	3	N	N	20	100	<10	50	N	70	<10	20
8MP036N	3	N	N	20	150	<10	500	N	70	<10	100
8MP037N	3	N	N	20	100	<10	300	N	100	<10	100
8MP038N	2	N	N	15	150	<10	700	N	70	<10	100
8MP039N	2	N	500	10	100	<10	150	N	100	<10	70
8MP040N	3	N	N	50	150	500	50	N	70	<10	30
8MP041N	2	N	N	10	150	<10	300	N	100	30	1,000

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
				B-1--Continued						
8LE013N	N	10	>2,000	<200	150	N	150	N	>2,000	N
				B-2--Continued						
8MP001N	N	150	70	N	150	N	200	N	>2,000	N
8MP002N	N	100	150	N	100	N	200	N	>2,000	N
8MP003N	N	100	N	N	150	N	200	N	>2,000	N
8MP004N	N	50	20	<200	50	N	100	N	>2,000	N
8MP005N	N	100	1,500	200	150	N	150	N	>2,000	N
8MP006N	N	50	N	200	70	N	100	N	>2,000	N
8MP007N	N	70	500	N	70	N	150	N	>2,000	N
8MP008N	N	100	70	N	100	N	200	N	>2,000	N
8MP009N	N	100	200	N	100	N	300	N	>2,000	N
8MP010N	N	70	300	N	100	N	200	N	>2,000	N
8MP011N	N	70	N	N	100	N	150	N	>2,000	N
8MP012N	N	70	150	N	100	N	150	N	>2,000	N
8MP013N	N	70	N	N	150	N	100	N	>2,000	N
8MP014N	N	50	100	500	100	N	200	N	>2,000	N
8MP015N	N	50	<20	N	70	N	200	N	>2,000	N
8MP016N	N	50	30	N	100	N	150	N	>2,000	N
8MP018N	N	100	N	700	150	N	300	N	>2,000	1,000
8MP019N	N	100	N	<200	100	N	300	N	>2,000	5,000
8MP020N	N	100	50	<200	100	N	200	N	>2,000	500
8MP021N	N	70	20	<200	100	500	150	N	>2,000	N
8MP022N	N	70	N	N	100	N	150	N	>2,000	N
8MP023N	N	50	N	N	100	<100	150	N	>2,000	N
8MP024N	N	70	30	N	100	N	150	N	>2,000	N
8MP025N	N	70	N	<200	150	N	200	N	>2,000	N
8MP026N	N	70	<20	N	100	N	150	N	>2,000	N
8MP027N	N	50	20	<200	200	N	150	N	>2,000	N
8MP028N	N	70	N	300	200	N	200	N	>2,000	N
8MP029N	N	70	<20	<200	300	N	70	N	>2,000	N
8MP030N	500	50	500	200	150	N	100	N	>2,000	N
8MP031N	N	100	<20	N	200	200	100	N	>2,000	N
8MP032N	N	70	300	<200	200	N	150	N	>2,000	N
8MP033N	N	30	1,000	N	150	N	70	N	>2,000	N
8MP034N	N	70	N	N	100	N	150	N	>2,000	N
8MP035N	N	50	N	N	100	N	100	N	>2,000	N
8MP036N	N	50	N	200	100	N	200	N	>2,000	N
8MP037N	N	50	N	<200	150	200	150	N	>2,000	N
8MP038N	N	50	N	500	100	N	150	N	>2,000	N
8MP039N	N	70	<20	N	70	N	200	N	>2,000	N
8MP040N	N	70	20	N	150	N	150	N	>2,000	N
8MP041N	N	100	500	300	100	N	200	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-2--Continued							
8MP042N	35 21 13	80 17 12	.50	.05	1.00	2.00	150	10	N	N	<20	700
8MP043N	35 19 48	80 16 11	.50	.10	.15	>2.00	150	N	N	N	<20	70
8MP044N	35 19 51	80 17 43	.10	<.05	<.10	>2.00	500	N	N	N	<20	100
8MP045N	35 15 39	80 27 56	.50	.10	.20	>2.00	150	N	N	N	20	100
8MP101N	35 28 34	80 15 24	.20	.05	<.10	>2.00	300	N	N	N	20	100
8MP102N	35 27 36	80 18 52	.50	.15	.10	>2.00	300	N	N	N	20	100
8MP103N	35 27 28	80 19 57	3.00	1.50	2.00	1.50	2,000	N	N	N	200	200
8MP104N	35 28 16	80 21 14	.50	.10	.15	>2.00	300	N	N	N	<20	70
8MP105N	35 29 18	80 18 51	5.00	.10	.20	>2.00	500	N	N	N	20	700
8MP106N	35 28 13	80 20 40	.20	<.05	15.00	1.50	1,000	N	N	N	<20	50
8MP107N	35 26 36	80 21 38	1.00	.10	.50	>2.00	300	N	N	N	30	200
8MP108N	35 26 1	80 22 13	1.00	.05	5.00	2.00	500	10	N	N	<20	100
8MP109N	35 25 54	80 23 16	1.00	.07	1.00	>2.00	700	N	N	N	<20	100
8MP110N	35 26 2	80 23 59	1.00	.07	.10	>2.00	200	N	N	N	<20	150
8MP111N	35 26 58	80 23 48	1.00	.10	.50	>2.00	300	N	N	N	200	200
8MP112N	35 28 11	80 22 53	.70	.07	1.00	>2.00	500	N	N	N	<20	150
8MP113N	35 28 42	80 23 19	.70	.07	5.00	>2.00	500	N	N	N	20	100
8MP114N	35 28 27	80 22 12	.70	.10	.70	>2.00	300	N	N	N	20	500
8MP115N	35 29 13	80 22 24	3.00	.50	2.00	2.00	2,000	N	N	N	20	150
8MP116N	35 29 55	80 22 50	1.00	.20	.70	>2.00	700	N	N	N	100	200
8MP117N	35 29 15	80 25 48	.70	.10	1.00	>2.00	500	N	N	N	150	100
8MP118N	35 29 55	80 27 12	.30	.05	.70	1.50	200	N	N	N	20	100
8MP119N	35 26 25	80 26 14	.70	.15	1.00	2.00	500	N	N	N	20	200
8MP120N	35 26 44	80 25 38	.70	.07	.50	>2.00	300	N	N	N	20	150
8MP122N	35 27 27	80 28 36	.50	.05	1.00	2.00	300	1	N	N	20	200
8MP123N	35 25 25	80 28 12	1.50	.20	1.00	2.00	700	7	N	30	20	150
8MP124N	35 24 51	80 29 46	.70	.05	1.00	2.00	500	N	N	N	20	1,000
8MP125N	35 24 35	80 27 44	.50	.05	.50	2.00	200	N	N	N	20	150
8MP126N	35 23 36	80 24 25	.70	.07	10.00	1.00	1,000	N	N	N	20	100
8MP127N	35 23 0	80 23 0	.70	.15	.10	>2.00	500	N	N	N	30	300
8MP128N	35 23 6	80 22 5	.70	.15	.15	>2.00	500	N	N	50	200	200
8MP129N	35 24 37	80 20 7	.70	.10	.10	>2.00	500	20	N	N	50	300
8MP130N	35 26 9	80 16 51	.70	.20	.20	>2.00	200	N	N	N	100	300
8MP131N	35 24 14	80 16 42	.70	.10	.30	>2.00	300	N	N	N	50	150
8MP132N	35 23 9	80 15 43	.70	.10	.50	>2.00	500	N	N	N	70	300
8MP133N	35 23 1	80 15 18	2.00	.50	3.00	2.00	2,000	N	N	N	20	200
8MP134N	35 22 55	80 19 24	.10	.05	<.10	>2.00	100	30	N	>1,000	70	200
8MP135N	35 29 54	80 21 43	1.00	.15	.50	>2.00	700	30	N	500	20	7,000
9MP050N	35 23 11	80 23 33	1.00	.50	.30	>2.00	500	N	N	N	2,000	100
9MP052N	35 19 38	80 25 39	1.50	.10	.50	>2.00	700	N	N	N	20	150
9MP053N	35 18 21	80 25 38	1.00	.30	.10	>2.00	700	N	N	N	1,000	100
9MP054N	35 18 16	80 25 38	1.00	.20	<.10	>2.00	500	N	N	N	50	100
9MP055N	35 15 44	80 27 24	.50	.07	.15	>2.00	200	10	N	1,000	150	100
9MP056N	35 17 32	80 24 0	.50	<.05	<.10	>2.00	200	N	N	N	20	50
9MP057N	35 20 14	80 21 56	1.00	.15	<.10	>2.00	300	N	N	N	100	100

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-2--Continued						
8MP042N	<2	200	N	30	50	10	500	N	<50	<10	15,000
8MP043N	10	N	200	15	200	<10	100	N	50	<10	50
8MP044N	2	N	N	10	70	10	70	N	50	<10	2,000
8MP045N	2	N	N	10	100	20	100	N	70	<10	20
8MP101N	2	N	N	15	200	50	<50	N	50	<10	100
8MP102N	2	N	N	15	200	50	50	N	50	<10	70
8MP103N	<2	N	N	30	150	70	150	N	50	50	200
8MP104N	<2	N	N	20	150	10	<50	N	100	<10	30
8MP105N	<2	300	N	100	70	300	200	N	70	200	500
8MP106N	<2	N	N	<10	20	N	1,500	N	100	20	20
8MP107N	<2	N	N	15	100	200	50	N	50	<10	50
8MP108N	<2	70	N	15	70	300	500	N	100	<10	>50,000
8MP109N	<2	N	N	15	150	10	100	N	100	<10	3,000
8MP110N	2	N	N	20	150	10	100	N	70	<10	70
8MP111N	<2	N	N	15	100	20	150	N	50	<10	50
8MP112N	<2	N	N	15	100	15	150	N	50	<10	50
8MP113N	<2	N	N	10	70	100	500	N	50	<10	150
8MP114N	3	N	N	15	70	<10	70	N	100	<10	200
8MP115N	<2	N	N	70	150	30	50	N	50	<10	50
8MP116N	<2	N	N	20	150	20	50	N	70	<10	100
8MP117N	<2	N	N	15	150	10	150	N	<50	<10	30
8MP118N	<2	N	N	15	70	10	200	N	50	<10	70
8MP119N	<2	N	N	10	50	30	70	N	<50	<10	<20
8MP120N	<2	N	N	30	100	20	70	N	50	<10	50
8MP122N	<2	50	N	10	100	<10	300	N	70	<10	50
8MP123N	<2	50	N	30	500	10	100	N	100	<10	50
8MP124N	<2	N	N	10	70	100	200	N	70	<10	50
8MP125N	<2	N	N	10	50	<10	100	N	100	<10	50
8MP126N	2	N	N	10	70	10	700	N	<50	<10	20
8MP127N	2	N	N	20	100	10	300	N	50	<10	50
8MP128N	2	N	N	20	100	15	150	N	50	<10	70
8MP129N	2	70	N	15	70	15	200	N	50	<10	1,000
8MP130N	<2	N	70	15	100	10	200	N	70	<10	70
8MP131N	2	N	N	10	100	<10	200	N	70	<10	150
8MP132N	<2	N	N	15	100	<10	300	N	70	<10	70
8MP133N	<2	N	N	50	200	500	150	N	<50	20	70
8MP134N	<2	N	N	15	100	<10	200	N	100	<10	150
8MP135N	<2	70	N	20	100	2,000	150	N	70	<10	2,000
9MP050N	3	N	N	20	50	1,000	150	N	150	10	300
9MP052N	2	N	N	20	30	100	300	N	70	15	1,500
9MP053N	50	N	N	20	50	200	100	N	150	10	100
9MP054N	5	N	N	20	70	50	70	N	200	10	200
9MP055N	3	N	N	15	50	200	150	N	150	10	1,000
9MP056N	3	N	N	20	70	70	<50	N	200	10	70
9MP057N	5	N	N	20	50	300	150	N	200	15	7,000

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-2--Continued					
8MP042N	1,500	70	>2,000	300	70	N	150	N	>2,000	N
8MP043N	N	150	N	N	500	200	200	N	>2,000	N
8MP044N	N	150	N	N	150	N	200	N	>2,000	N
8MP045N	N	70	N	N	150	N	150	N	>2,000	<200
8MP101N	N	100	300	N	100	N	150	N	>2,000	N
8MP102N	N	100	50	N	100	N	150	N	>2,000	N
8MP103N	N	50	N	300	200	N	70	2,000	>2,000	N
8MP104N	N	70	N	N	200	N	150	N	>2,000	N
8MP105N	N	30	N	N	70	N	150	N	>2,000	N
8MP106N	N	20	N	1,000	100	N	300	N	2,000	200
8MP107N	N	70	N	<200	500	N	70	N	>2,000	N
8MP108N	2,000	30	20	300	150	N	200	N	>2,000	300
8MP109N	N	50	N	200	150	N	150	N	>2,000	N
8MP110N	N	50	N	<200	150	N	150	N	1,000	N
8MP111N	N	50	100	<200	150	N	100	N	>2,000	200
8MP112N	N	30	N	200	150	N	100	N	>2,000	N
8MP113N	N	20	200	500	100	N	150	N	>2,000	N
8MP114N	N	70	70	200	150	N	200	N	>2,000	N
8MP115N	N	70	70	700	200	N	70	N	2,000	N
8MP116N	N	30	>2,000	200	200	N	70	N	>2,000	N
8MP117N	N	70	700	200	200	N	200	N	>2,000	N
8MP118N	N	100	N	<200	100	N	300	N	>2,000	500
8MP119N	N	15	N	500	150	N	50	N	>2,000	N
8MP120N	N	50	N	<200	150	N	100	N	>2,000	N
8MP122N	N	100	30	<200	100	500	300	N	>2,000	300
8MP123N	N	70	70	500	150	<100	200	N	>2,000	300
8MP124N	N	70	N	200	100	N	200	N	>2,000	500
8MP125N	N	50	100	<200	100	100	200	N	>2,000	300
8MP126N	N	30	20	500	70	N	300	N	>2,000	200
8MP127N	N	50	N	<200	100	N	200	N	2,000	N
8MP128N	N	50	200	<200	100	N	150	N	2,000	N
8MP129N	N	50	700	200	100	N	100	N	>2,000	N
8MP130N	N	50	150	200	100	N	150	1,500	>2,000	N
8MP131N	N	70	150	200	100	N	150	1,500	>2,000	N
8MP132N	N	50	1,000	500	100	N	100	N	>2,000	N
8MP133N	N	100	N	500	200	N	100	N	>2,000	N
8MP134N	N	100	700	<200	100	N	150	N	>2,000	N
8MP135N	N	50	50	300	100	100	100	1,000	>2,000	N
9MP050N	N	30	500	N	200	N	200	N	>2,000	N
9MP052N	N	30	500	N	150	N	300	N	>2,000	N
9MP053N	N	20	<20	N	150	N	150	N	>2,000	N
9MP054N	N	20	N	N	200	N	200	700	>2,000	N
9MP055N	N	70	200	N	150	N	500	N	>2,000	N
9MP056N	N	70	150	N	200	N	500	N	>2,000	N
9MP057N	N	30	700	N	200	N	300	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-2--Continued							
9MP058N	35 17 30	80 21 24	.70	.07	.10	>2.00	100	N	N	N	200	70
9MP059N	35 16 4	80 16 4	.50	.05	.10	>2.00	150	N	N	N	100	50
9MP060N	35 15 48	80 17 31	1.50	.20	.15	>2.00	700	N	N	N	50	500
9MP061N	35 21 38	80 21 31	1.00	.15	<.10	>2.00	500	20	N	>1,000	100	200
9MP062N	35 21 43	80 21 21	1.00	.30	.15	>2.00	500	N	N	<20	150	200
9MP063N	35 21 9	80 19 35	1.00	.20	.15	>2.00	150	N	N	N	70	70
9MP064N	35 20 53	80 19 22	1.00	<.05	.15	2.00	70	N	N	N	50	200
9MP065N	35 18 7	80 18 32	5.00	.15	.20	>2.00	200	10	N	200	150	500
9MP066N	35 18 30	80 17 49	.30	.20	<.10	>2.00	70	N	N	N	2,000	50
9MP067N	35 18 21	80 16 25	.70	.50	.10	>2.00	100	N	N	N	3,000	100
9MP068N	35 19 48	80 16 51	.50	<.05	.10	>2.00	70	3	N	N	70	50
9MP069N	35 24 35	80 15 31	1.50	.20	.70	>2.00	500	1	N	N	1,000	300
9MP070N	35 25 54	80 15 57	1.50	.50	.70	>2.00	500	N	N	N	20	200
9MP071N	35 26 5	80 19 30	1.00	.10	.20	>2.00	300	10	N	200	50	70
9MP072N	35 26 4	80 19 21	1.00	.10	.10	>2.00	300	N	N	N	50	150
9MP073N	35 24 21	80 22 43	1.00	.10	.30	>2.00	500	N	N	N	100	70
					B-3							
0CC001N	35 22 15	80 30 15	.20	<.05	N	>2.00	20	N	N	100	30	<50
0CC001N	35 22 15	80 30 15	.70	<.05	.10	>2.00	30	N	N	N	150	N
0CC002N	35 22 14	80 30 14	.50	<.05	N	>2.00	30	N	N	N	20	<50
0CC003N	35 22 14	80 30 15	.50	<.05	N	>2.00	50	N	N	N	20	N
8CC002N	35 15 30	80 35 37	.70	.05	1.00	>2.00	200	N	N	N	<20	50
8CC004N	35 15 0	80 35 37	2.00	.70	3.00	>2.00	700	N	N	N	20	70
8CC005N	35 15 1	80 35 38	.50	.05	.50	>2.00	200	N	N	N	<20	50
8CC011N	35 22 15	80 33 55	.20	<.05	.50	1.00	500	N	N	N	<20	100
8CC012N	35 21 47	80 34 25	.15	<.05	.70	1.50	500	N	N	N	<20	150
8CC013N	35 22 15	80 37 20	.15	<.05	.15	.50	200	N	N	N	<20	<50
8CC014N	35 21 5	80 36 16	.30	.05	.15	.70	500	N	N	N	<20	70
8CC016N	35 16 16	80 33 45	1.50	.07	.50	>2.00	500	30	N	100	<20	200
8CC019N	35 17 40	80 36 2	1.00	.30	1.00	>2.00	500	N	N	N	20	150
8CC024N	35 16 8	80 32 50	1.00	.07	.70	>2.00	300	20	N	100	<20	5,000
8CC038N	35 16 17	80 31 26	.30	<.05	.70	2.00	100	N	N	N	20	1,000
8CC042N	35 18 31	80 34 17	.20	<.05	.50	1.00	150	N	N	N	20	100
8CC044N	35 20 53	80 32 56	.30	.07	.50	1.50	150	N	N	N	20	100
8CC046N	35 22 24	80 33 47	.20	<.05	.30	2.00	200	50	N	200	20	100
8CC049N	35 22 25	80 30 14	.30	<.05	.30	1.50	150	N	N	N	30	1,000
8CC051N	35 22 29	80 34 46	.20	<.05	.10	.50	300	N	N	N	<20	200
8CN001N	35 25 11	80 36 30	1.00	<.05	.50	>2.00	300	N	N	<20	<20	70
8CN001N	35 25 11	80 36 30	.70	<.05	.50	>2.00	500	7	N	N	<20	50
8CN002N	35 24 52	80 37 0	1.00	.15	.70	>2.00	300	N	N	N	20	200
8CN002N	35 24 52	80 37 0	.20	<.05	.15	.30	150	N	N	N	<20	100
8CN003N	35 26 27	80 35 31	.50	.05	2.00	>2.00	500	N	N	N	20	100

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-2--Continued						
9MP058N	100	N	N	20	50	300	70	N	150	<10	200
9MP059N	3	N	N	20	50	700	100	N	150	10	100
9MP060N	3	N	<50	15	50	150	500	N	150	15	700
9MP061N	7	N	N	20	50	100	200	N	70	10	300
9MP062N	7	N	N	30	50	100	150	N	70	15	200
9MP063N	2	N	N	20	100	200	100	N	150	10	1,000
9MP064N	5	N	100	10	100	500	300	N	100	10	3,000
9MP065N	3	N	N	100	50	200	500	N	150	100	500
9MP066N	3	N	N	10	50	700	50	N	150	N	700
9MP067N	5	N	N	20	70	700	<50	N	100	20	200
9MP068N	2	N	N	10	50	700	70	N	100	<10	7,000
9MP069N	5	<20	100	20	70	150	500	N	100	20	7,000
9MP070N	2	N	N	10	100	700	150	10	70	20	3,000
9MP071N	3	N	N	30	150	50	100	N	150	15	1,500
9MP072N	7	N	N	30	70	50	200	N	100	15	700
9MP073N	3	N	N	20	50	150	50	N	150	10	700
					B-3--Continued						
0CC001N	7	N	N	10	70	N	70	N	200	N	50
0CC001N	15	N	N	70	100	20	200	N	200	20	30
0CC002N	10	N	N	<10	150	200	50	N	500	N	N
0CC003N	7	N	N	10	200	<10	<50	N	500	<10	N
8CC002N	N	N	N	10	20	<10	50	N	<50	<10	N
8CC004N	N	N	N	10	50	<10	100	50	<50	<10	20
8CC005N	N	N	N	N	20	<10	N	N	<50	<10	<20
8CC011N	2	N	N	N	N	N	200	N	N	<10	<20
8CC012N	2	N	N	N	20	N	100	N	<50	30	<20
8CC013N	2	N	N	N	N	N	150	N	N	<10	N
8CC014N	<2	N	N	N	N	20	150	N	N	<10	N
8CC016N	N	N	N	50	70	<10	100	N	<50	<10	20
8CC019N	N	N	N	20	100	<10	50	N	70	<10	<20
8CC024N	N	N	N	15	70	<10	50	N	50	<10	20
8CC038N	2	N	N	15	50	70	300	N	100	N	50
8CC042N	N	N	N	N	30	10	200	N	N	N	30
8CC044N	N	1,000	N	N	30	15	100	N	50	N	50
8CC046N	N	N	N	N	20	500	300	N	100	N	50
8CC049N	7	N	N	20	30	10	200	N	100	N	150
8CC051N	N	N	N	N	20	15	>2,000	N	N	N	<20
8CN001N	5	N	N	20	50	10	<50	N	70	<10	30
8CN001N	N	N	N	10	<20	500	300	N	200	N	50
8CN002N	N	N	N	15	150	10	50	N	70	<10	20
8CN002N	N	N	N	N	<20	10	50	N	70	N	N
8CN003N	200	N	N	20	70	<10	200	N	100	<10	70

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-2--Continued					
9MP058N	N	70	70	N	150	N	500	N	>2,000	N
9MP059N	N	70	300	N	200	N	500	N	>2,000	N
9MP060N	N	20	1,000	500	150	N	200	2,000	>2,000	N
9MP061N	N	20	<20	200	150	N	300	N	>2,000	N
9MP062N	N	30	200	100	150	N	200	N	>2,000	N
9MP063N	N	70	200	N	100	N	500	N	>2,000	N
9MP064N	N	100	500	200	100	N	500	3,000	>2,000	N
9MP065N	N	20	70	300	100	N	200	1,000	>2,000	N
9MP066N	N	100	1,000	<200	100	N	500	N	>2,000	N
9MP067N	N	100	200	200	200	N	700	N	>2,000	N
9MP068N	N	70	1,000	<200	150	N	500	N	>2,000	N
9MP069N	N	50	1,000	500	150	N	300	5,000	>2,000	N
9MP070N	N	50	2,000	200	100	N	300	500	>2,000	N
9MP071N	N	30	200	<200	300	N	100	N	>2,000	N
9MP072N	N	50	100	200	150	N	200	N	>2,000	N
9MP073N	N	30	500	<200	200	N	150	N	>2,000	500
					B-3--Continued					
0CC001N	N	150	200	N	100	N	300	N	>2,000	N
0CC001N	N	100	50	N	200	N	200	N	>2,000	200
0CC002N	N	10	N	N	200	N	50	N	>2,000	N
0CC003N	N	15	<20	N	300	N	70	N	>2,000	N
8CC002N	N	20	50	N	100	N	200	700	>2,000	N
8CC004N	N	30	100	500	200	N	200	N	>2,000	N
8CC005N	N	100	20	<200	100	N	500	N	>2,000	N
8CC011N	N	30	N	<200	20	N	700	N	>2,000	N
8CC012N	N	70	N	<200	70	N	1,000	1,500	>2,000	N
8CC013N	N	50	N	<200	20	N	700	N	>2,000	N
8CC014N	N	50	N	<200	20	N	1,000	N	>2,000	N
8CC016N	N	50	N	200	150	N	500	N	>2,000	<200
8CC019N	N	50	N	200	150	N	300	2,000	>2,000	N
8CC024N	N	50	200	300	200	300	300	N	>2,000	<200
8CC038N	N	10	N	N	150	N	700	N	>2,000	2,000
8CC042N	N	70	N	N	70	N	700	N	>2,000	300
8CC044N	N	70	N	N	100	200	700	N	>2,000	500
8CC046N	N	70	70	N	100	N	500	N	>2,000	200
8CC049N	N	100	N	<200	100	N	500	N	>2,000	3,000
8CC051N	N	50	N	N	20	N	1,500	N	>2,000	500
8CN001N	N	100	1,000	200	200	N	500	N	>2,000	200
8CN001N	N	70	70	N	50	N	500	N	>2,000	300
8CN002N	N	70	500	200	200	N	200	N	>2,000	N
8CN002N	N	50	N	<200	20	N	500	N	>2,000	N
8CN003N	N	100	N	300	150	N	500	N	>2,000	3,000

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-3--Continued							
8CN003N	35 26 27	80 35 31	.20	<.05	.70	2.00	150	N	N	N	<20	100
8CN007N	35 23 30	80 32 11	.70	.05	7.00	>2.00	500	N	N	N	30	70
8CN007N	35 23 30	80 32 11	.50	.05	1.00	1.50	150	N	N	N	<20	100
8CN009N	35 25 8	80 31 59	.70	.10	5.00	>2.00	500	N	N	N	<20	300
8CN009N	35 25 8	80 31 59	.20	<.05	.50	1.00	50	N	N	N	<20	100
8CN010N	35 26 2	80 32 4	.50	.10	5.00	>2.00	700	N	N	N	<20	500
8CN010N	35 26 2	80 32 4	.20	<.05	1.00	1.00	150	N	N	N	<20	100
8CN012N	35 26 7	80 31 49	.20	<.05	1.50	1.00	150	N	N	N	<20	70
8CN013N	35 25 59	80 32 12	.20	<.05	1.50	1.00	150	N	N	N	<20	100
8CN016N	35 28 51	80 30 6	.20	<.05	.20	1.50	70	N	N	N	20	150
8CN018N	35 29 35	80 31 26	.30	<.05	.50	2.00	150	N	N	20	20	50
8CN019N	35 28 28	80 32 38	.30	.05	.20	2.00	150	30	N	500	20	70
8CN020N	35 27 27	80 31 49	.15	<.05	.70	2.00	70	N	N	<20	20	100
8CN021N	35 27 27	80 31 43	.10	<.05	1.50	1.00	100	N	N	20	<20	100
8CN022N	35 27 36	80 32 16	.20	<.05	.70	1.00	100	3	N	200	<20	100
8CN023N	35 25 6	80 34 20	.30	.05	.70	1.00	150	N	N	N	20	500
8CN024N	35 24 3	80 33 29	.30	.05	.70	1.00	150	N	N	N	20	100
8CN025N	35 25 35	80 33 58	.30	<.05	.50	>2.00	50	N	N	N	<20	50
8CN026N	35 26 38	80 33 41	.15	<.05	.50	.70	50	N	N	N	20	150
8CN029N	35 28 53	80 34 45	.70	.05	.50	1.50	150	N	N	N	20	100
8CN030N	35 29 33	80 35 49	.20	<.05	.50	.70	100	N	N	N	<20	100
8CN031N	35 28 58	80 36 5	.30	.05	1.00	1.50	200	N	N	N	<20	70
8CN032N	35 27 5	80 34 45	.20	<.05	.70	1.00	100	N	N	N	<20	100
8HA001N	35 15 55	80 38 22	.50	.05	.30	2.00	150	200	N	>1,000	20	50
8HA001N	35 15 55	80 38 22	.50	<.05	5.00	>2.00	300	N	N	N	50	<50
8HA002N	35 16 45	80 38 44	.20	<.05	.30	>2.00	300	N	N	N	30	100
8HA003N	35 18 12	80 39 22	.30	.05	.50	>2.00	300	N	N	N	20	70
8HA004N	35 17 40	80 44 39	.20	<.05	.30	>2.00	200	N	N	N	30	50
8HA005N	35 16 57	80 44 54	.15	<.05	.15	>2.00	100	20	N	N	50	N
8HA006N	35 16 59	80 44 57	.70	.07	2.00	>2.00	300	N	N	N	50	50
8HA007N	35 16 39	80 43 55	.20	<.05	<.10	>2.00	150	N	N	N	30	150
8HA008N	35 15 23	80 42 4	.20	<.05	.15	>2.00	150	N	N	N	30	50
8HA009N	35 15 31	80 40 38	.30	<.05	.20	>2.00	150	N	N	N	20	70
8HA010N	35 16 10	80 40 4	.50	.05	.10	>2.00	150	N	N	N	50	150
8HA011N	35 20 26	80 42 10	.15	<.05	<.10	.70	200	N	N	N	30	50
8HA012N	35 20 12	80 42 39	.30	<.05	.50	>2.00	200	N	N	N	30	150
8HA013N	35 21 44	80 42 58	.50	.05	1.00	>2.00	500	N	N	N	30	100
8HA014N	35 21 2	80 44 31	.10	<.05	.10	.70	100	N	N	N	20	50
8HA015N	35 21 44	80 42 59	1.00	<.05	.70	>2.00	150	N	N	N	30	500
8HA016N	35 20 2	80 43 13	.30	<.05	.30	>2.00	150	N	N	N	30	500
8HA017N	35 19 15	80 43 28	.15	<.05	.10	.70	100	N	N	N	20	70
8HA018N	35 17 17	80 43 21	.20	<.05	.15	>2.00	100	N	N	N	20	100
8HA019N	35 17 7	80 42 2	.15	<.05	.15	>2.00	150	N	N	N	20	70
8HA020N	35 15 3	80 41 23	.20	<.05	.20	>2.00	100	N	N	N	30	50
8HA021N	35 18 8	80 38 7	.50	.05	15.00	>2.00	700	N	N	N	20	<50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-3--Continued						
8CN003N	2	N	N	10	50	<10	100	N	100	N	20
8CN007N	150	N	N	10	100	<10	300	N	150	<10	30
8CN007N	N	N	N	15	30	10	150	N	100	N	20
8CN009N	10	N	N	10	70	100	300	N	50	<10	100
8CN009N	<2	N	N	N	50	30	<50	N	50	N	20
8CN010N	3	N	N	20	150	<10	500	N	100	<10	100
8CN010N	2	N	N	10	50	N	150	N	70	N	20
8CN012N	<2	N	N	10	30	N	150	N	50	N	20
8CN013N	3	N	N	10	30	N	50	N	70	N	30
8CN016N	10	N	N	N	70	N	N	N	150	N	20
8CN018N	N	N	N	10	20	N	50	N	70	N	N
8CN019N	N	N	N	10	20	10	N	N	70	N	500
8CN020N	<2	N	N	15	50	N	100	N	200	N	20
8CN021N	2	N	N	15	50	N	150	N	150	N	20
8CN022N	2	N	N	15	50	10	150	N	150	N	20
8CN023N	N	N	N	10	70	20	70	N	100	N	50
8CN024N	N	N	N	<10	30	<10	70	N	50	N	300
8CN025N	N	N	N	15	30	N	100	N	300	N	50
8CN026N	3	N	N	15	20	N	100	N	70	N	20
8CN029N	N	N	N	50	20	15	100	70	150	10	150
8CN030N	20	N	N	10	20	20	100	N	700	N	30
8CN031N	2	N	N	10	20	30	300	N	70	N	500
8CN032N	N	N	N	10	30	N	<50	N	50	N	<20
8HA001N	N	N	N	N	50	15	50	N	N	N	20
8HA001N	5	N	N	N	150	N	700	N	50	N	30
8HA002N	N	N	N	N	70	<10	N	N	N	N	200
8HA003N	2	N	N	N	200	10	N	N	N	N	200
8HA004N	100	N	N	N	30	<10	70	N	N	N	50
8HA005N	N	N	N	N	20	10	500	N	N	N	50
8HA006N	N	N	N	N	70	300	200	N	N	N	200
8HA007N	N	N	N	N	30	<10	>2,000	N	N	N	50
8HA008N	N	N	N	N	30	<10	N	N	N	N	30
8HA009N	N	N	N	N	150	<10	N	N	50	N	200
8HA010N	N	N	N	N	200	15	<50	N	70	N	30
8HA011N	N	N	N	N	<20	N	70	N	N	N	<20
8HA012N	N	N	N	N	100	<10	100	N	50	N	50
8HA013N	N	N	N	N	50	10	70	N	N	N	20
8HA014N	N	N	N	N	<20	N	50	N	N	N	70
8HA015N	N	N	N	N	70	10	500	N	N	N	70
8HA016N	N	N	N	N	50	500	100	N	N	N	200
8HA017N	N	N	N	N	20	<10	N	N	N	N	30
8HA018N	N	N	N	N	20	<10	300	N	N	N	50
8HA019N	N	N	N	N	20	<10	N	N	N	N	30
8HA020N	N	N	N	N	20	<10	N	N	N	N	50
8HA021N	N	N	N	20	150	10	2,000	N	<50	N	300

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-3--Continued					
8CN003N	N	150	50	<200	100	N	300	N	>2,000	2,000
8CN007N	N	50	100	700	200	N	300	N	>2,000	300
8CN007N	N	100	N	<200	100	N	500	N	>2,000	1,500
8CN009N	N	100	50	500	300	N	700	N	>2,000	1,000
8CN009N	N	70	N	<200	30	N	500	N	>2,000	1,000
8CN010N	N	100	20	500	300	N	700	N	>2,000	1,000
8CN010N	N	50	N	200	50	N	300	N	>2,000	3,000
8CN012N	N	30	N	200	70	N	500	N	>2,000	3,000
8CN013N	N	50	N	<200	50	N	500	N	>2,000	700
8CN016N	N	100	200	<200	70	N	500	N	>2,000	700
8CN018N	N	30	100	N	200	N	200	N	>2,000	N
8CN019N	N	30	1,500	N	70	N	200	N	>2,000	N
8CN020N	N	50	20	<200	70	N	300	N	>2,000	2,000
8CN021N	N	50	N	200	50	N	300	N	>2,000	2,000
8CN022N	N	30	500	200	50	N	300	N	>2,000	3,000
8CN023N	N	70	50	200	50	N	300	N	>2,000	300
8CN024N	N	100	20	<200	50	N	500	N	>2,000	500
8CN025N	N	100	30	N	100	N	300	N	>2,000	1,000
8CN026N	N	70	N	<200	70	N	500	N	>2,000	3,000
8CN029N	N	100	100	<200	70	N	300	N	>2,000	500
8CN030N	N	200	<20	<200	30	N	500	N	>2,000	1,000
8CN031N	N	150	50	200	150	N	300	N	>2,000	1,500
8CN032N	N	70	N	<200	50	N	500	N	>2,000	200
8HA001N	N	100	150	N	100	N	1,000	N	>2,000	N
8HA001N	N	70	<20	N	300	N	700	N	>2,000	N
8HA002N	N	150	20	N	200	N	1,500	N	>2,000	N
8HA003N	N	70	N	<200	300	N	1,000	N	>2,000	N
8HA004N	N	150	N	<200	200	N	1,500	N	>2,000	N
8HA005N	N	100	70	N	100	N	1,500	N	>2,000	N
8HA006N	N	70	N	N	200	N	1,000	N	>2,000	N
8HA007N	N	150	N	N	100	N	2,000	N	>2,000	N
8HA008N	N	150	N	N	150	N	1,500	N	>2,000	N
8HA009N	N	50	30	N	200	N	1,000	N	>2,000	N
8HA010N	N	70	100	N	300	N	1,000	N	>2,000	N
8HA011N	N	50	<20	<200	30	N	1,500	N	>2,000	N
8HA012N	N	70	50	<200	300	N	1,000	N	>2,000	N
8HA013N	N	70	N	<200	200	N	1,500	N	>2,000	N
8HA014N	N	70	N	N	50	N	1,500	N	>2,000	N
8HA015N	N	70	70	N	150	N	1,000	N	>2,000	N
8HA016N	N	100	N	N	150	N	1,500	N	>2,000	N
8HA017N	N	150	N	N	50	N	1,500	N	>2,000	N
8HA018N	N	200	50	<200	100	N	1,500	N	>2,000	200
8HA019N	N	200	N	N	100	N	1,500	N	>2,000	N
8HA020N	N	200	N	N	100	N	1,500	N	>2,000	N
8HA021N	N	20	<20	<200	150	N	1,000	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-3--Continued							
8HA022N	35 18 38	80 38 51	.70	<.05	.20	>2.00	700	N	N	N	20	200
8HA023N	35 18 32	80 40 26	.20	<.05	.15	>2.00	100	N	N	N	20	50
8HA024N	35 19 36	80 41 59	.20	<.05	.50	>2.00	150	N	N	N	30	500
8HA025N	35 18 17	80 42 27	.15	<.05	.20	>2.00	150	N	N	N	30	70
8HA026N	35 19 46	80 40 52	.20	<.05	.20	>2.00	200	N	N	N	30	100
8HA027N	35 21 53	80 38 9	.20	.05	1.50	2.00	200	N	N	N	20	50
8KA002N	35 26 11	80 40 25	.15	<.05	.70	2.00	150	N	N	N	50	300
8KA003N	35 26 11	80 40 29	.10	<.05	.30	1.00	70	N	N	N	30	300
8KA004N	35 27 3	80 42 9	.20	<.05	.20	1.50	100	N	N	N	20	300
8KA005N	35 27 1	80 42 7	.20	.05	.30	2.00	150	N	N	N	50	200
8KA006N	35 28 33	80 42 4	.15	<.05	.20	1.00	70	N	N	N	<20	300
8KA007N	35 28 31	80 41 58	.15	<.05	.20	1.00	100	N	N	N	20	300
8KA008N	35 27 43	80 40 41	.15	<.05	.20	1.00	70	N	N	N	20	300
8KA009N	35 28 28	80 39 39	.20	<.05	.50	1.00	70	N	N	N	20	300
8KA010N	35 28 34	80 39 36	.15	<.05	.30	1.00	50	N	N	N	30	500
8KA011N	35 27 14	80 38 25	.15	<.05	.30	1.50	70	N	N	N	50	300
8KA013N	35 25 9	80 40 17	.50	.07	.30	2.00	150	N	N	N	20	500
8KA014N	35 23 0	80 42 23	.15	<.05	.50	.70	150	N	N	N	50	300
8KA015N	35 23 2	80 42 59	.20	<.05	.20	>2.00	100	N	N	N	50	200
8KA016N	35 22 46	80 43 41	.30	<.05	.30	2.00	150	N	N	N	<20	200
8KA017N	35 26 15	80 42 35	.10	<.05	.10	.70	70	N	N	N	<20	300
8KA018N	35 25 40	80 44 26	.15	<.05	.15	1.00	100	N	N	N	30	300
8KA019N	35 26 33	80 44 47	.15	<.05	.30	1.50	100	N	N	N	20	300
8KA020N	35 26 45	80 38 1	.30	.05	.70	>2.00	150	N	N	N	<20	100
8KA021N	35 28 2	80 43 49	.20	.05	.50	2.00	100	N	N	N	20	300
8KA022N	35 28 46	80 43 46	.20	<.05	.30	2.00	150	N	N	N	20	200
8KA023N	35 29 24	80 42 55	.10	<.05	.50	2.00	70	N	N	N	50	200
8KA024N	35 29 30	80 44 43	.20	<.05	.70	2.00	200	N	N	N	20	200
8MP017N	35 22 24	80 30 11	.30	.05	.30	1.50	500	N	N	20	20	300
					B-4							
8CU001N	35 24 9	80 52 8	.15	<.05	.10	1.50	50	N	N	N	20	150
8CU002N	35 24 5	80 52 6	.15	<.05	.10	.07	50	N	N	N	20	150
8CU003N	35 24 26	80 52 26	.15	<.05	<.10	.05	50	N	N	N	30	100
8CU004N	35 28 37	80 52 23	.15	<.05	.10	.05	30	N	N	N	20	100
8CU005N	35 27 37	80 51 44	.20	<.05	.10	.05	50	N	N	N	20	150
8CU006N	35 25 29	80 45 57	.30	<.05	.50	1.00	150	N	N	N	50	50
8CU007N	35 25 51	80 46 48	.15	<.05	.15	.05	50	N	N	N	20	150
8CU008N	35 25 17	80 47 54	.15	<.05	.10	.05	50	N	N	N	20	100
8CU009N	35 24 24	80 48 11	.15	<.05	.10	.05	20	N	N	N	20	150
8CU010N	35 24 22	80 48 12	.15	<.05	.15	1.00	50	1	N	150	20	100

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-3--Continued						
8HA022N	N	N	N	N	50	15	50	N	N	N	100
8HA023N	N	N	N	N	20	200	N	N	N	N	100
8HA024N	N	N	N	N	70	<10	50	N	N	N	100
8HA025N	N	N	N	N	30	10	50	N	N	N	30
8HA026N	N	N	N	N	30	<10	100	N	N	N	100
8HA027N	N	N	N	N	20	1,500	300	N	N	N	200
8KA002N	N	N	N	N	30	20	200	N	50	N	N
8KA003N	N	N	N	N	30	10	N	N	N	N	20
8KA004N	N	N	N	20	50	50	100	N	50	N	150
8KA005N	N	N	N	N	20	<10	N	N	70	N	<20
8KA006N	N	N	N	10	30	<10	N	N	N	N	20
8KA007N	N	N	N	N	30	<10	N	N	N	N	<20
8KA008N	N	N	N	N	50	10	N	N	N	N	<20
8KA009N	N	N	N	10	30	50	50	N	N	N	<20
8KA010N	N	N	N	15	30	10	50	N	N	N	50
8KA011N	N	N	N	15	30	<10	150	N	N	N	20
8KA013N	N	N	N	10	30	10	200	N	<50	N	<20
8KA014N	N	N	N	N	30	N	500	N	N	N	<20
8KA015N	N	N	N	N	<20	15	100	N	50	N	<20
8KA016N	N	N	N	N	<20	10	1,000	N	N	N	<20
8KA017N	N	N	N	N	30	30	70	N	N	N	<20
8KA018N	N	N	N	N	30	10	100	N	<50	N	<20
8KA019N	N	N	N	10	30	10	100	N	<50	N	<20
8KA020N	N	N	N	10	50	50	100	N	<50	N	30
8KA021N	N	N	N	N	70	N	70	N	<50	N	<20
8KA022N	N	N	N	10	20	N	200	N	N	10	<20
8KA023N	N	N	N	10	20	20	70	N	<50	N	20
8KA024N	N	N	N	N	50	15	300	N	50	N	20
8MP017N	<2	N	N	15	30	<10	200	20	50	<10	150
					B-4--Continued						
8CU001N	N	N	N	10	30	<10	500	N	<50	<10	20
8CU002N	N	N	N	10	30	<10	200	N	N	<10	20
8CU003N	N	N	N	10	20	<10	150	N	N	<10	<20
8CU004N	N	N	N	<10	20	10	150	<10	N	N	20
8CU005N	N	N	N	15	30	15	50	N	N	<10	300
8CU006N	N	N	N	<10	20	10	70	N	N	<10	50
8CU007N	N	N	N	10	20	<10	N	N	N	<10	50
8CU008N	N	N	N	<10	20	10	N	N	N	N	20
8CU009N	N	N	N	10	20	<10	50	N	N	N	<20
8CU010N	N	N	N	<10	20	<10	200	N	N	N	30

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-3--Continued					
8HA022N	N	70	<20	N	100	N	1,500	N	>2,000	N
8HA023N	N	70	N	N	150	N	1,000	N	>2,000	N
8HA024N	N	150	N	<200	100	N	1,500	N	>2,000	N
8HA025N	N	100	100	N	150	N	1,500	N	>2,000	200
8HA026N	N	150	N	N	200	N	1,500	N	>2,000	N
8HA027N	N	50	N	N	70	N	1,500	N	>2,000	N
8KA002N	N	100	N	N	100	N	700	N	>2,000	300
8KA003N	N	100	N	N	70	N	700	N	>2,000	500
8KA004N	N	100	300	N	70	N	700	N	>2,000	200
8KA005N	N	70	N	N	100	N	500	N	>2,000	<200
8KA006N	N	10	N	N	70	N	500	N	>2,000	1,500
8KA007N	N	70	N	N	50	N	500	N	>2,000	N
8KA008N	N	100	N	N	50	N	500	N	>2,000	N
8KA009N	N	200	N	N	50	N	700	N	>2,000	700
8KA010N	N	200	N	N	50	N	500	N	>2,000	700
8KA011N	N	10	N	N	50	N	500	N	>2,000	1,000
8KA013N	N	50	N	N	100	N	500	N	>2,000	200
8KA014N	N	70	N	N	50	N	700	N	>2,000	<200
8KA015N	N	70	N	N	100	N	700	N	>2,000	200
8KA016N	N	70	N	N	70	N	1,000	N	>2,000	200
8KA017N	N	10	N	N	50	N	700	N	>2,000	1,500
8KA018N	N	100	N	N	70	N	700	N	>2,000	300
8KA019N	N	100	N	N	70	N	700	N	>2,000	700
8KA020N	N	100	70	N	100	N	500	N	>2,000	200
8KA021N	N	100	70	N	100	N	700	N	>2,000	<200
8KA022N	N	70	N	N	100	N	700	N	>2,000	200
8KA023N	N	10	N	N	70	N	500	N	>2,000	1,000
8KA024N	N	70	300	N	100	N	700	N	>2,000	700
8MP017N	N	150	N	<200	70	N	300	N	>2,000	1,500
					B-4--Continued					
8CU001N	N	200	N	N	50	N	500	1,000	>2,000	700
8CU002N	N	150	N	N	30	N	500	1,000	>2,000	500
8CU003N	N	100	N	N	30	N	500	700	>2,000	300
8CU004N	N	150	N	N	30	N	500	N	>2,000	200
8CU005N	N	150	N	N	50	N	700	500	>2,000	<200
8CU006N	N	50	N	N	100	N	300	N	>2,000	500
8CU007N	N	150	70	N	50	N	500	1,000	>2,000	500
8CU008N	N	100	70	N	30	N	500	500	>2,000	200
8CU009N	N	150	N	N	50	N	500	1,000	>2,000	200
8CU010N	N	150	N	N	50	N	500	N	>2,000	200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-4--Continued							
8CU011N	35 24 14	80 47 7	.15	<.05	.15	1.00	50	N	N	N	20	100
8CU012N	35 23 10	80 50 43	.10	<.05	.10	1.50	30	N	N	N	20	70
8CU013N	35 24 37	80 45 17	.30	<.05	.10	.07	30	N	N	N	20	70
8CU014N	35 26 48	80 48 35	.20	<.05	.20	.15	50	N	N	N	20	100
8CU015N	35 26 52	80 48 34	.10	<.05	.50	.15	70	N	N	N	20	150
8CU016N	35 25 43	80 48 51	.15	<.05	.30	.15	50	N	N	N	20	150
8CU017N	35 25 3	80 48 44	.10	<.05	.10	.05	20	N	N	N	20	100
8CU018N	35 25 2	80 51 20	.15	<.05	<.10	.05	20	N	N	N	20	150
8CU019N	35 25 54	80 51 43	.15	<.05	.15	.05	20	N	N	N	20	100
8CU020N	35 27 10	80 51 59	.15	<.05	.20	.10	30	N	N	N	20	100
8CU021N	35 28 22	80 49 18	.15	<.05	.20	.20	50	N	N	N	20	150
8CU022N	35 28 30	80 47 31	.50	<.05	.70	1.50	150	N	N	N	20	50
8CU023N	35 27 38	80 45 54	.15	<.05	.50	1.00	100	N	N	N	20	70
8CU024N	35 28 34	80 49 0	.20	<.05	.70	1.00	100	N	N	N	50	100
8DT001N	35 16 34	80 52 0	3.00	.05	1.50	>2.00	300	N	5,000	<20	<20	50
8DT002N	35 17 4	80 51 5	1.00	.05	1.50	>2.00	300	N	N	N	30	50
8DT003N	35 17 25	80 51 58	1.00	.05	3.00	>2.00	500	N	N	N	<20	70
8DT004N	35 19 10	80 51 52	.30	<.05	1.00	1.50	150	N	N	N	<20	50
8DT005N	35 21 56	80 52 28	.70	.07	1.00	1.00	300	N	N	N	20	70
8DT006N	35 19 5	80 51 8	.20	<.05	.70	1.00	200	N	N	N	<20	50
8DT007N	35 20 36	80 51 28	2.00	<.05	1.50	1.50	300	N	N	N	20	50
8DT008N	35 20 54	80 51 47	.50	<.05	1.00	2.00	300	N	N	N	<20	50
8DT009N	35 21 58	80 51 5	.30	<.05	1.00	1.50	200	N	N	N	<20	<50
8DT010N	35 21 24	80 50 25	.30	<.05	3.00	>2.00	500	N	N	N	<20	<50
8DT011N	35 20 18	80 50 28	.30	<.05	1.00	1.00	200	N	N	N	<20	50
8DT012N	35 20 4	80 50 39	.50	<.05	1.00	1.50	300	N	N	N	<20	50
8DT013N	35 17 40	80 49 28	.20	<.05	.70	>2.00	300	N	N	N	<20	<50
8DT014N	35 17 6	80 48 43	.20	<.05	.50	>2.00	200	N	N	N	<20	N
8DT015N	35 16 32	80 49 36	.20	<.05	.70	>2.00	150	N	N	N	<20	N
8DT017N	35 21 50	80 47 31	.30	<.05	.70	.70	200	N	N	N	<20	<50
8DT018N	35 20 53	80 47 52	.20	<.05	.70	1.00	200	N	N	N	<20	<50
8DT019N	35 20 48	80 47 52	.50	.05	1.00	1.50	300	N	N	N	<20	100
8DT020N	35 20 35	80 47 3	.20	<.05	.70	.50	200	N	N	N	<20	<50
8DT021N	35 19 42	80 48 7	.20	<.05	.70	2.00	100	N	N	N	<20	N
8DT022N	35 19 22	80 47 52	.10	<.05	.70	>2.00	100	N	N	N	<20	<50
8DT023N	35 19 21	80 48 46	.10	<.05	.70	>2.00	200	N	N	N	<20	N
8DT024N	35 18 27	80 46 38	<.10	<.05	1.00	>2.00	100	N	N	N	<20	N
8DT025N	35 18 26	80 46 37	<.10	<.05	1.00	>2.00	100	N	N	N	20	70
8DT026N	35 21 34	80 45 1	.20	<.05	1.00	>2.00	200	100	N	>1,000	<20	100
8DT027N	35 21 14	80 45 30	.30	<.05	1.00	1.50	100	N	N	N	<20	50
8DT028N	35 21 12	80 45 31	.30	.05	1.00	>2.00	300	N	N	N	<20	50
8DT029N	35 19 38	80 46 34	.20	<.05	1.00	.50	150	N	N	N	<20	50
8DT030N	35 19 36	80 46 35	.20	<.05	1.00	>2.00	200	N	N	N	<20	50
8DT031N	35 19 9	80 47 29	.20	<.05	1.50	>2.00	150	N	N	N	<20	<50
8DT032N	35 17 4	80 46 41	.10	<.05	.70	>2.00	150	N	N	20	<20	<50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-4--Continued						
8CU011N	N	N	N	<10	30	<10	100	N	N	N	20
8CU012N	N	N	N	<10	30	<10	500	N	N	N	20
8CU013N	N	N	N	<10	30	15	<50	N	N	N	50
8CU014N	N	N	N	<10	30	15	100	N	N	N	20
8CU015N	N	N	N	<10	30	10	N	N	N	N	20
8CU016N	N	N	N	<10	30	10	N	N	N	N	<20
8CU017N	N	N	N	<10	30	<10	N	N	N	N	<20
8CU018N	N	N	N	<10	30	N	N	N	N	N	<20
8CU019N	N	N	N	<10	30	<10	N	N	N	N	20
8CU020N	N	N	N	<10	30	10	N	N	N	N	<20
8CU021N	N	N	N	<10	30	10	N	N	N	N	20
8CU022N	N	N	N	10	20	<10	150	N	50	N	<20
8CU023N	N	N	N	<10	30	<10	70	N	N	10	<20
8CU024N	N	N	N	15	30	10	N	N	N	N	20
8DT001N	N	N	N	100	30	100	500	N	N	20	10,000
8DT002N	N	N	N	15	50	20	1,000	N	N	<10	150
8DT003N	N	N	N	20	20	20	50	N	N	<10	50
8DT004N	1,500	N	N	N	N	10	50	N	N	<10	N
8DT005N	N	N	N	20	<20	100	500	N	N	<10	50
8DT006N	N	N	N	N	<20	<10	70	N	N	<10	20
8DT007N	N	N	N	20	50	N	700	N	N	<10	N
8DT008N	N	N	N	N	<20	N	300	N	N	<10	N
8DT009N	N	N	N	N	N	N	100	N	N	<10	N
8DT010N	N	N	N	N	20	N	700	N	<50	<10	20
8DT011N	N	N	N	N	<20	N	50	N	N	<10	20
8DT012N	N	N	N	N	<20	N	70	N	N	<10	20
8DT013N	N	N	N	N	20	N	200	N	N	<10	20
8DT014N	N	N	N	20	20	N	70	N	N	<10	100
8DT015N	N	N	N	30	<20	10	<50	N	N	<10	50
8DT017N	N	N	N	N	N	N	70	N	N	<10	N
8DT018N	N	N	N	N	N	N	70	N	N	<10	N
8DT019N	N	N	N	10	<20	N	50	N	N	50	20
8DT020N	N	N	N	N	N	N	50	N	N	<10	N
8DT021N	N	N	N	N	N	N	50	N	N	<10	20
8DT022N	N	N	N	<10	N	15	50	N	N	<10	<20
8DT023N	N	N	N	N	N	300	50	N	N	<10	20
8DT024N	N	N	N	N	<20	<10	<50	N	N	<10	20
8DT025N	.2	N	N	20	50	30	<50	N	N	<10	100
8DT026N	N	N	N	50	20	N	<50	N	N	<10	500
8DT027N	N	N	N	20	30	N	50	N	N	<10	30
8DT028N	N	N	N	20	70	N	50	N	N	<10	70
8DT029N	N	N	N	<10	N	N	50	N	N	<10	N
8DT030N	N	N	N	15	20	N	50	N	N	<10	30
8DT031N	N	N	N	10	N	N	100	N	N	<10	50
8DT032N	N	N	N	15	N	N	50	N	N	<10	20

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-4--Continued					
8CU011N	N	150	30	N	50	N	700	N	>2,000	200
8CU012N	N	200	20	N	70	N	500	N	>2,000	300
8CU013N	N	70	N	N	30	N	700	1,000	>2,000	200
8CU014N	N	150	70	N	70	N	500	1,000	>2,000	500
8CU015N	N	150	50	N	50	N	500	1,000	>2,000	300
8CU016N	N	150	N	N	50	N	500	1,000	>2,000	500
8CU017N	N	150	N	N	20	N	500	700	>2,000	300
8CU018N	N	100	N	N	30	N	500	1,000	>2,000	300
8CU019N	N	150	N	N	30	N	500	1,000	>2,000	<200
8CU020N	N	150	N	N	30	N	500	500	>2,000	300
8CU021N	N	150	N	N	50	N	500	1,000	>2,000	500
8CU022N	N	50	N	N	70	N	300	N	>2,000	200
8CU023N	N	50	N	N	30	N	300	N	>2,000	500
8CU024N	N	100	N	N	70	N	500	1,000	>2,000	200
8DT001N	N	150	N	<200	300	N	1,500	N	>2,000	N
8DT002N	N	150	20	<200	300	N	1,000	N	>2,000	N
8DT003N	N	>200	100	<200	500	N	1,000	N	>2,000	N
8DT004N	N	100	N	<200	70	N	700	N	>2,000	N
8DT005N	N	>200	200	200	100	N	1,000	N	>2,000	N
8DT006N	N	150	N	200	70	N	700	N	>2,000	N
8DT007N	N	150	N	300	200	N	700	N	>2,000	N
8DT008N	N	200	N	200	100	N	1,000	N	>2,000	N
8DT009N	N	200	N	200	50	N	1,000	N	>2,000	N
8DT010N	N	50	100	<200	500	N	500	N	>2,000	N
8DT011N	N	70	N	<200	50	N	700	N	>2,000	N
8DT012N	N	200	N	<200	100	N	1,000	N	>2,000	N
8DT013N	N	150	<20	<200	300	N	1,000	N	>2,000	N
8DT014N	N	100	100	<200	300	N	500	N	>2,000	N
8DT015N	N	150	N	<200	200	N	500	N	>2,000	N
8DT017N	N	70	N	200	50	N	700	N	>2,000	N
8DT018N	N	100	N	<200	70	N	700	N	>2,000	N
8DT019N	N	200	N	<200	150	N	1,000	N	>2,000	N
8DT020N	N	100	N	<200	50	N	1,000	N	>2,000	N
8DT021N	N	100	N	<200	100	N	1,000	N	>2,000	N
8DT022N	N	150	N	<200	200	N	1,000	N	>2,000	N
8DT023N	N	150	200	<200	150	N	1,000	N	>2,000	N
8DT024N	N	200	<20	<200	150	N	1,500	N	>2,000	N
8DT025N	N	150	<20	<200	200	N	500	N	>2,000	N
8DT026N	N	150	70	<200	200	N	500	N	>2,000	N
8DT027N	N	150	N	<200	100	N	700	N	>2,000	N
8DT028N	N	200	N	<200	150	N	700	N	>2,000	N
8DT029N	N	100	N	<200	70	N	700	N	>2,000	N
8DT030N	N	150	N	<200	150	N	700	N	>2,000	N
8DT031N	N	200	150	<200	150	N	1,000	N	>2,000	N
8DT032N	N	150	N	<200	200	N	500	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-4--Continued							
8DT033N	35 18 46	80 45 48	.10	<.05	.70	>2.00	150	N	N	N	<20	50
8DT034N	35 18 39	80 45 40	<.10	<.05	1.00	>2.00	200	30	N	>1,000	<20	<50
8LS001N	35 23 18	80 55 9	.10	<.05	.30	2.00	50	N	N	N	<20	<50
8LS001N	35 23 18	80 55 9	.30	<.05	.20	1.50	100	N	N	N	20	100
8LS002N	35 23 4	80 54 28	.15	<.05	.30	2.00	30	N	N	N	<20	<50
8LS002N	35 23 4	80 54 28	.20	<.05	.15	1.00	70	1	N	50	20	70
8LS003N	35 24 16	80 52 52	<.10	<.05	N	.05	70	N	N	N	<20	50
8LS003N	35 24 16	80 52 52	.15	<.05	<.10	.01	30	N	N	N	20	100
8LS005N	35 24 25	80 53 47	<.10	<.05	.30	.20	70	N	N	N	<20	50
8LS005N	35 24 25	80 53 47	.15	<.05	.10	.02	50	N	N	N	20	100
8LS006N	35 24 7	80 55 4	<.10	<.05	.30	1.00	50	N	N	N	<20	70
8LS006N	35 24 7	80 55 4	.15	<.05	.10	.20	50	3	N	50	<20	100
8LS007N	35 23 38	80 55 46	.20	<.05	.15	.20	50	N	N	N	<20	100
8LS008N	35 24 57	80 56 3	.15	<.05	.10	.15	50	N	N	N	<20	100
8LS009N	35 24 56	80 56 0	.10	<.05	.10	.15	30	N	N	N	30	100
8LS010N	35 26 35	80 52 39	.10	<.05	.20	.20	50	N	N	N	<20	100
8LS011N	35 26 35	80 52 31	.10	<.05	.15	.15	50	N	N	N	20	150
8LS013N	35 26 13	80 58 6	.10	<.05	.20	.50	30	N	N	N	20	100
8LS014N	35 25 30	80 57 58	.10	<.05	.50	.30	50	N	N	N	<20	100
8LS016N	35 25 13	80 59 41	.10	<.05	.10	.50	50	N	N	N	<20	50
8MI003N	35 19 40	80 53 48	.20	<.05	.50	2.00	100	N	N	N	<20	50
8MI004N	35 18 59	80 54 6	.20	<.05	.50	>2.00	100	N	N	N	<20	50
8MI005N	35 18 9	80 55 22	.30	<.05	1.50	>2.00	150	N	N	30	20	50
8MI006N	35 17 42	80 54 35	.20	<.05	.30	2.00	150	N	N	<20	<20	50
8MI007N	35 19 16	80 58 38	.15	<.05	.15	1.50	50	N	N	N	<20	200
8MI008N	35 17 45	80 56 21	.15	<.05	.20	.70	70	N	N	<20	<20	100
8MI009N	35 15 34	80 56 22	.10	<.05	.15	>2.00	50	100	N	>1,000	20	<50
8MI010N	35 15 29	80 59 19	<.10	<.05	.20	>2.00	100	20	N	700	<20	<50
8MI011N	35 17 59	80 57 20	<.10	<.05	.10	2.00	50	N	N	N	20	50
8MI012N	35 17 50	80 58 4	.10	<.05	.30	>2.00	100	30	N	>1,000	20	<50
8MI013N	35 18 12	80 58 22	.10	<.05	.50	>2.00	200	N	N	N	<20	<50
8MI014N	35 19 0	80 56 34	.10	<.05	.50	>2.00	100	500	N	>1,000	20	50
8MI015N	35 15 56	80 56 40	.10	<.05	.30	>2.00	70	7	N	N	20	<50
8MI016N	35 15 36	80 54 58	<.10	<.05	.15	2.00	70	30	N	>1,000	20	<50
8MI017N	35 15 39	80 54 59	.10	<.05	.10	>2.00	150	30	N	>1,000	20	<50
8MI018N	35 16 2	80 55 47	.30	.05	.30	>2.00	200	10	N	>1,000	20	50
8MI019N	35 16 17	80 52 36	1.00	.05	.30	>2.00	500	N	1,000	50	30	<50
8MI020N	35 20 44	80 52 58	<.10	<.05	.15	2.00	50	2	N	100	20	50
8MI021N	35 20 56	80 54 35	.10	<.05	.50	>2.00	150	N	N	<20	20	<50
8MI022N	35 20 51	80 52 58	.10	.10	.30	>2.00	1,000	70	N	500	50	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-4--Continued						
8DT033N	N	N	N	<10	30	N	50	N	N	<10	30
8DT034N	N	N	N	10	20	N	50	N	N	<10	150
8LS001N	N	N	N	N	20	N	50	N	N	<10	<20
8LS001N	N	N	N	10	100	20	500	N	N	N	N
8LS002N	N	N	N	N	<20	N	70	N	N	<10	<20
8LS002N	N	N	N	<10	30	10	100	N	N	N	N
8LS003N	N	N	N	N	<20	N	50	N	N	<10	N
8LS003N	N	N	N	<10	30	N	N	N	N	N	N
8LS005N	N	N	N	N	<20	N	50	N	N	<10	N
8LS005N	N	N	N	<10	100	N	100	N	N	N	N
8LS006N	N	N	N	N	<20	N	50	N	N	<10	N
8LS006N	N	N	N	<10	30	N	500	N	N	N	<20
8LS007N	N	N	N	10	30	N	150	N	N	N	N
8LS008N	N	N	N	10	30	N	100	N	N	N	N
8LS009N	N	N	N	<10	30	N	300	N	N	N	N
8LS010N	N	N	N	<10	20	15	N	N	<50	N	N
8LS011N	N	N	N	<10	20	N	N	N	N	N	<20
8LS013N	N	N	N	N	20	N	50	N	50	N	<20
8LS014N	7	N	N	N	20	N	100	N	N	N	<20
8LS016N	N	N	N	<10	<20	N	N	N	N	N	20
8MI003N	N	N	N	10	<20	10	100	N	<50	N	<20
8MI004N	N	N	N	<10	<20	10	70	N	<50	N	N
8MI005N	N	N	N	10	<20	10	150	N	50	<10	<20
8MI006N	<2	N	N	<10	<20	20	50	N	<50	N	200
8MI007N	N	N	N	N	<20	N	50	N	N	N	N
8MI008N	N	N	N	<10	20	<10	50	10	N	N	20
8MI009N	N	N	N	10	<20	N	50	N	N	<10	50
8MI010N	N	N	N	N	<20	N	50	N	N	<10	150
8MI011N	N	N	N	N	N	N	70	N	N	<10	20
8MI012N	N	N	N	N	N	N	50	N	N	<10	50
8MI013N	N	N	N	N	<20	30	100	N	N	<10	N
8MI014N	N	N	N	15	N	100	50	N	N	<10	70
8MI015N	N	N	N	10	<20	150	70	N	N	<10	150
8MI016N	N	N	N	N	N	70	<50	N	N	<10	100
8MI017N	N	N	N	15	20	30	50	N	<50	<10	70
8MI018N	N	N	N	50	20	500	70	N	<50	<10	1,000
8MI019N	N	N	N	70	20	200	50	N	<50	<10	100
8MI020N	N	N	N	N	N	N	70	N	N	<10	30
8MI021N	N	N	N	N	N	N	70	N	N	<10	30
8MI022N	N	N	N	N	<20	N	100	N	<50	<10	30

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-4--Continued					
8DT033N	N	200	20	<200	200	N	1,000	N	>2,000	N
8DT034N	N	200	N	<200	200	N	700	N	>2,000	N
8LS001N	N	150	N	<200	100	N	500	N	>2,000	N
8LS001N	N	150	N	N	100	N	500	N	>2,000	300
8LS002N	N	100	70	<200	100	N	500	N	>2,000	N
8LS002N	N	100	70	N	70	N	300	N	>2,000	200
8LS003N	N	100	N	<200	50	N	500	N	>2,000	N
8LS003N	N	100	N	N	30	N	300	1,000	>2,000	300
8LS005N	N	150	N	<200	50	N	700	N	>2,000	<200
8LS005N	N	100	N	N	30	N	300	1,000	>2,000	500
8LS006N	N	100	N	<200	70	N	500	N	>2,000	N
8LS006N	N	150	N	N	70	N	300	1,000	>2,000	200
8LS007N	N	150	N	N	70	N	300	N	>2,000	200
8LS008N	N	150	N	N	50	N	300	N	>2,000	200
8LS009N	N	150	70	N	50	N	300	N	>2,000	200
8LS010N	N	100	N	N	70	N	300	N	>2,000	700
8LS011N	N	150	N	N	50	N	500	N	>2,000	N
8LS013N	N	100	N	N	50	N	500	N	>2,000	200
8LS014N	N	70	N	N	30	N	500	N	>2,000	N
8LS016N	N	70	200	N	50	N	300	N	>2,000	200
8MI003N	N	70	20	N	50	N	300	N	>2,000	N
8MI004N	N	30	100	N	100	N	200	N	>2,000	N
8MI005N	N	30	N	N	150	N	200	N	>2,000	N
8MI006N	N	20	1,000	N	100	N	200	N	>2,000	200
8MI007N	N	100	N	N	50	N	300	N	>2,000	N
8MI008N	N	50	50	N	50	N	500	N	>2,000	<200
8MI009N	N	30	N	N	70	N	700	N	>2,000	N
8MI010N	N	70	500	N	100	N	700	N	>2,000	N
8MI011N	N	70	N	N	50	N	1,000	N	>2,000	N
8MI012N	N	50	1,500	N	150	N	700	N	>2,000	N
8MI013N	N	50	N	N	150	N	700	N	>2,000	N
8MI014N	N	50	100	N	100	N	500	N	>2,000	N
8MI015N	N	50	<20	N	100	N	700	N	>2,000	N
8MI016N	N	30	70	N	70	N	700	N	>2,000	N
8MI017N	N	50	30	N	300	N	700	N	>2,000	N
8MI018N	N	50	300	N	200	N	1,000	N	>2,000	N
8MI019N	N	50	300	N	200	N	1,000	N	>2,000	N
8MI020N	N	70	N	N	50	N	700	N	>2,000	200
8MI021N	N	100	N	N	150	N	1,000	N	>2,000	N
8MI022N	N	70	50	N	200	N	700	N	>2,000	<200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-4--Continued							
8MI023N	35 22 20	80 55 12	.20	<.05	.70	>2.00	200	N	N	N	20	<50
					B-5							
8GN001N	35 20 25	81 14 50	.50	.05	N	>2.00	30	N	N	N	50	N
8GN002N	35 20 15	81 13 39	.70	.20	.15	2.00	50	N	N	N	300	<50
8GN003N	35 20 48	81 13 30	.50	.15	.15	>2.00	100	N	N	N	500	<50
8GN004N	35 21 38	81 13 53	.20	.05	.20	>2.00	100	N	N	50	100	<50
8GN005N	35 20 55	81 10 49	.20	.07	1.00	>2.00	150	N	N	N	20	100
8GN006N	35 21 58	81 7 55	.15	.05	.15	>2.00	100	N	N	N	20	50
8GN007N	35 22 18	81 13 31	.15	.05	.15	>2.00	70	N	N	N	70	<50
8GN008N	35 21 40	81 13 22	.20	.20	.50	>2.00	100	N	N	N	500	<50
8GN009N	35 22 10	81 11 6	.50	.05	5.00	>2.00	500	N	N	N	20	70
8GN010N	35 20 24	81 9 37	1.00	2.00	1.00	>2.00	700	N	N	N	30	700
8GN011N	35 20 38	81 7 39	.20	.05	1.00	>2.00	300	N	N	N	20	150
8GN012N	35 20 37	81 7 38	.70	<.05	.20	1.00	100	N	N	N	20	50
8GN013N	35 18 53	81 14 1	.70	.15	.15	2.00	30	N	N	N	100	70
8GN014N	35 17 32	81 13 10	.30	.05	.70	1.50	100	N	N	N	50	150
8GN015N	35 17 9	81 12 36	.20	.05	.20	>2.00	20	N	N	N	20	300
8GN016N	35 15 30	81 14 8	1.00	.10	2.00	>2.00	300	N	N	N	100	100
8GN017N	35 15 31	81 14 53	1.00	.20	.50	>2.00	200	N	N	N	500	100
8GN018N	35 18 4	81 9 41	.20	.05	1.50	>2.00	200	N	N	N	20	50
8GN019N	35 17 25	81 9 43	.20	.05	.70	>2.00	100	N	N	N	30	150
8GN020N	35 17 6	81 10 28	.20	.07	.20	>2.00	100	N	N	70	50	70
8LE001N	35 23 13	81 14 5	.30	.10	.10	>2.00	200	N	N	N	150	500
8LE002N	35 24 50	81 10 43	.30	.05	1.50	>2.00	200	N	N	N	20	100
8LE003N	35 25 16	81 9 57	.15	<.05	.30	2.00	150	N	N	N	<20	100
8LE004N	35 23 58	81 11 55	.10	<.05	.50	1.50	150	N	N	N	<20	150
8LE005N	35 24 12	81 8 53	.10	<.05	<.10	1.50	150	N	N	N	<20	150
8LE006N	35 26 16	81 7 41	.15	<.05	.20	>2.00	30	N	N	N	<20	150
8LE007N	35 26 22	81 10 33	.15	<.05	.20	>2.00	30	N	N	N	<20	100
8LE008N	35 27 15	81 11 24	.20	.05	.10	>2.00	70	N	N	N	70	50
8LE009N	35 27 34	81 11 11	.50	.15	.10	>2.00	150	N	N	N	100	70
8LE010N	35 28 22	81 11 42	.50	.10	.10	>2.00	200	N	N	N	100	70
8LE011N	35 29 24	81 9 49	.70	.15	.10	>2.00	100	N	N	N	70	N
8LV001N	35 24 35	81 4 25	.20	<.05	N	>2.00	20	N	N	N	<20	N
8LV002N	35 23 31	81 4 55	.30	<.05	N	>2.00	20	N	N	N	<20	N
8LV003N	35 23 28	81 4 59	.50	<.05	<.10	>2.00	20	N	N	N	<20	N
8LV004N	35 24 52	81 5 10	.50	<.05	.20	>2.00	100	N	N	N	<20	50
8LV005N	35 25 21	81 5 25	1.00	.07	.15	>2.00	200	N	N	N	<20	N
8LV008N	35 23 10	81 3 28	.20	<.05	.15	2.00	70	N	N	N	<20	<50
8LV009N	35 23 6	81 1 56	.10	<.05	.20	1.50	200	N	N	N	<20	200
8LV010N	35 24 53	81 2 8	.10	<.05	.10	1.00	150	N	N	N	<20	100
8LV011N	35 27 6	81 0 29	.10	<.05	.15	1.50	200	N	N	N	<20	200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-4--Continued						
8MI023N	N	N	N	<10	<20	N	50	N	N	<10	300
					B-5--Continued						
8GN001N	<2	N	N	10	150	N	100	N	100	<10	50
8GN002N	20	N	N	15	200	N	150	N	70	<10	<20
8GN003N	<2	N	N	50	300	<10	500	N	200	<10	1,000
8GN004N	<2	N	N	15	150	<10	70	N	200	<10	50
8GN005N	<2	N	N	10	50	N	300	N	100	<10	70
8GN006N	2	N	N	10	200	N	200	N	100	<10	30
8GN007N	15	N	N	30	150	N	100	N	150	<10	50
8GN008N	3	N	N	20	500	N	100	N	100	<10	10
8GN009N	<2	N	N	15	70	N	700	N	70	<10	70
8GN010N	<2	N	N	30	200	N	2,000	N	50	50	100
8GN011N	2	30	N	15	50	N	200	N	50	<10	50
8GN012N	<2	N	N	20	50	N	100	N	70	<10	30
8GN013N	<2	N	N	10	300	N	50	N	<50	<10	20
8GN014N	<2	N	N	15	70	N	200	N	50	<10	50
8GN015N	<2	N	N	15	20	70	1,000	N	70	<10	700
8GN016N	<2	N	N	30	70	5,000	500	30	50	<10	200
8GN017N	<2	N	N	10	150	15	150	N	50	<10	20
8GN018N	2	N	N	15	70	20	200	N	100	<10	700
8GN019N	<2	N	N	10	30	20	300	N	50	<10	300
8GN020N	<2	N	N	30	150	N	200	20	500	<10	1,000
8LE001N	50	N	N	10	150	<10	100	N	1,000	<10	<20
8LE002N	N	N	N	15	50	N	200	N	70	<10	20
8LE003N	<2	N	N	15	50	<10	200	N	70	20	30
8LE004N	N	N	N	10	20	<10	50	N	<50	20	20
8LE005N	N	N	N	10	20	<10	200	N	<50	50	20
8LE006N	<2	N	N	10	30	N	200	N	200	<10	20
8LE007N	N	N	N	10	20	N	100	N	100	<10	30
8LE008N	100	N	N	15	200	N	100	N	200	<10	30
8LE009N	15	N	N	15	200	N	50	N	200	<10	30
8LE010N	5	N	N	20	200	10	<50	N	500	<10	20
8LE011N	20	N	N	N	300	N	<50	N	150	<10	30
8LV001N	<2	N	N	<10	30	N	50	10	50	<10	N
8LV002N	N	N	N	<10	70	N	50	N	50	<10	N
8LV003N	N	N	N	<10	70	N	50	N	70	<10	N
8LV004N	N	N	N	<10	50	N	50	N	100	<10	N
8LV005N	N	N	N	50	100	100	<50	N	300	<10	N
8LV008N	N	N	N	<10	50	N	50	N	<50	<10	N
8LV009N	N	N	N	<10	20	50	700	N	70	30	N
8LV010N	N	N	N	<10	N	N	50	N	50	20	N
8LV011N	N	N	N	<10	N	N	50	N	<50	10	30

Table 2.--Analytical results of the nonsagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-4--Continued					
8MI023N	N	70	N	N	150	N	1,000	N	>2,000	<200
					B-5--Continued					
8GN001N	N	10	>2,000	N	200	N	150	N	>2,000	N
8GN002N	N	<10	1,500	N	300	N	30	N	>2,000	N
8GN003N	N	20	>2,000	N	300	N	100	N	>2,000	N
8GN004N	N	50	>2,000	N	150	N	300	N	>2,000	N
8GN005N	N	100	>2,000	N	100	N	300	N	>2,000	300
8GN006N	N	70	100	N	150	N	300	N	>2,000	N
8GN007N	N	50	>2,000	N	100	N	300	N	>2,000	N
8GN008N	N	20	>2,000	N	100	N	150	N	>2,000	N
8GN009N	N	30	150	300	300	N	300	N	>2,000	N
8GN010N	N	50	200	300	150	N	300	N	>2,000	200
8GN011N	N	70	700	N	150	N	200	N	>2,000	N
8GN012N	N	70	1,500	N	100	N	200	N	>2,000	N
8GN013N	N	<10	500	N	200	N	30	N	>2,000	N
8GN014N	N	70	2,000	<200	100	N	200	N	>2,000	200
8GN015N	N	70	1,500	N	100	N	200	N	>2,000	1,000
8GN016N	N	50	300	<200	300	N	200	N	>2,000	<200
8GN017N	N	30	100	N	150	N	150	N	>2,000	<200
8GN018N	N	30	500	<200	200	N	200	N	>2,000	<200
8GN019N	N	70	500	<200	100	N	200	N	>2,000	<200
8GN020N	N	20	300	N	200	N	50	N	2,000	N
8LE001N	N	20	>2,000	N	100	N	200	N	>2,000	N
8LE002N	N	70	200	300	100	N	700	N	>2,000	200
8LE003N	N	150	20	<200	50	N	700	N	>2,000	200
8LE004N	N	150	N	<200	50	N	700	N	>2,000	200
8LE005N	N	>200	N	200	50	N	700	N	>2,000	200
8LE006N	N	20	>2,000	<200	70	N	300	N	>2,000	300
8LE007N	N	150	20	<200	50	100	500	N	>2,000	200
8LE008N	N	20	1,500	<200	300	N	150	N	>2,000	N
8LE009N	N	10	1,500	<200	200	150	70	N	>2,000	N
8LE010N	N	20	>2,000	<200	300	N	70	N	>2,000	N
8LE011N	N	<10	>2,000	<200	300	N	70	N	>2,000	N
8LV001N	N	N	100	200	300	N	20	N	2,000	N
8LV002N	N	N	70	<200	300	N	20	N	1,000	N
8LV003N	N	N	500	N	200	N	30	N	>2,000	N
8LV004N	N	<10	30	N	200	N	70	N	>2,000	N
8LV005N	N	20	50	<200	200	100	150	3,000	>2,000	N
8LV008N	N	30	150	N	200	N	200	N	>2,000	N
8LV009N	N	>200	100	200	70	100	700	N	>2,000	500
8LV010N	N	150	150	<200	50	150	500	N	>2,000	200
8LV011N	N	150	N	200	50	N	700	N	>2,000	700

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-5--Continued							
8LV012N	35 27 7	81 0 38	.15	<.05	.50	1.50	100	N	N	N	<20	200
8LV013N	35 25 42	81 4 4	.20	<.05	.15	>2.00	150	N	N	N	30	70
8LV014N	35 27 55	81 3 16	.30	.05	.30	>2.00	150	N	N	N	<20	70
8LV015N	35 28 45	81 4 20	.50	<.05	1.00	>2.00	500	N	N	N	<20	150
8MH001N	35 16 53	81 6 9	1.50	.05	.20	>2.00	100	N	N	N	<20	1,000
8MH001N	35 16 53	81 6 9	7.00	.05	.30	>2.00	150	N	N	N	<20	200
8MH002N	35 16 54	81 6 14	.70	<.05	<.10	>2.00	30	N	N	N	20	<50
8MH003N	35 17 27	81 6 20	.50	<.05	N	.50	50	N	N	N	<20	N
8MH004N	35 18 11	81 6 26	.50	<.05	N	2.00	20	N	N	N	<20	N
8MH005N	35 15 29	81 5 8	.70	.15	.70	>2.00	500	N	N	N	50	50
8MH006N	35 21 28	81 7 5	5.00	<.05	.30	>2.00	500	N	N	N	20	2,000
8MH007N	35 19 14	81 1 54	.70	.07	1.00	1.50	500	N	N	N	<20	70
8MH008N	35 20 10	81 4 7	.20	.05	.50	>2.00	150	N	N	20	<20	50
8MH009N	35 17 15	81 2 26	.50	.05	1.00	>2.00	200	N	N	N	<20	100
8MH009N	35 17 15	81 2 26	.70	.10	1.00	1.00	200	N	N	N	30	100
8MH010N	35 15 35	81 3 59	1.00	<.05	.30	1.00	200	N	N	N	<20	200
8MH011N	35 18 57	81 3 23	1.50	.50	1.50	>2.00	700	N	N	N	<20	200
					B-6							
8BC001N	35 17 11	81 19 12	.50	.07	.20	>2.00	500	N	N	N	150	100
8BC002N	35 17 8	81 19 10	.70	.15	.15	1.00	500	N	N	N	70	100
8BC003N	35 17 32	81 20 24	.30	<.05	<.10	2.00	700	N	N	N	20	<50
8BC004N	35 18 5	81 19 28	.50	.07	.15	>2.00	300	N	N	N	100	70
8BC005N	35 18 16	81 19 32	.50	.07	.50	>2.00	500	N	N	N	70	70
8BC006N	35 19 51	81 19 33	.70	.10	.10	>2.00	700	N	700	N	150	100
8BC007N	35 18 54	81 19 10	.50	.10	.20	>2.00	300	N	N	N	100	100
8BC008N	35 18 56	81 19 8	.50	.10	.15	1.00	700	N	N	N	30	100
8BC009N	35 18 59	81 21 8	.30	.07	.20	>2.00	200	N	N	N	150	50
8BC010N	35 20 39	81 19 58	.20	.10	.15	>2.00	150	N	N	N	200	100
8BC011N	35 19 20	81 18 26	.70	.15	.20	1.00	500	N	N	N	70	50
8BC012N	35 20 14	81 17 44	.70	.10	.20	.15	1,000	N	N	N	100	<50
8BC013N	35 20 19	81 16 54	1.00	.20	.50	>2.00	300	N	N	N	500	50
8BC014N	35 20 19	81 16 42	.70	3.00	1.00	>2.00	200	N	N	N	1,500	70
8BC015N	35 22 19	81 20 0	1.00	.10	.70	>2.00	500	N	N	N	200	70
8BC016N	35 22 21	81 20 2	.30	.10	.15	>2.00	150	N	N	N	70	70
8BC017N	35 21 51	81 19 0	.30	.10	.10	>2.00	300	N	N	N	200	100
8BC018N	35 21 49	81 18 58	.50	.15	.10	>2.00	500	N	N	N	200	150
8BC019N	35 22 17	81 21 0	.20	.05	N	>2.00	50	N	N	N	70	100
8BC020N	35 19 5	81 16 16	.30	.10	<.10	>2.00	50	N	N	N	70	100
8BC021N	35 20 44	81 22 0	.70	.05	.20	>2.00	150	N	N	N	50	50
8BC022N	35 15 4	81 21 20	.50	.05	.10	.70	500	N	N	N	30	100
8BC023N	35 15 24	81 15 41	1.00	.30	.15	.50	300	N	N	N	150	100
8BC024N	35 15 18	81 17 35	.50	.70	.15	>2.00	500	N	N	N	1,500	<50
8BC025N	35 15 22	81 17 31	.50	.50	.15	>2.00	200	N	N	N	700	<50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-5--Continued						
8LV012N	N	N	N	<10	20	N	200	N	50	<10	20
8LV013N	N	N	N	30	70	N	50	N	200	<10	N
8LV014N	N	N	N	30	70	N	150	N	300	<10	N
8LV015N	3	N	N	20	100	N	500	N	150	<10	20
8MH001N	N	N	N	30	100	1,000	<50	N	70	<10	30
8MH001N	N	N	N	150	100	1,000	<50	N	100	50	500
8MH002N	N	N	N	10	70	10	50	N	100	<10	20
8MH003N	N	N	N	N	20	<10	200	N	<50	<10	20
8MH004N	N	N	N	N	70	<10	70	N	100	<10	50
8MH005N	3	N	N	15	100	50	50	N	100	<10	150
8MH006N	N	N	N	100	50	30	50	15	200	<10	150
8MH007N	N	N	N	10	20	N	100	N	N	<10	<20
8MH008N	N	N	N	20	100	<10	<50	10	150	<10	20
8MH009N	N	N	N	N	50	<10	<50	N	<50	20	20
8MH009N	N	N	N	N	30	50	1,000	N	<50	20	20
8MH010N	N	N	N	15	30	10	50	N	N	50	70
8MH011N	20	N	N	15	100	<10	200	N	100	<10	30
					B-6--Continued						
8BC001N	1,500	N	N	10	150	N	50	N	500	20	30
8BC002N	300	N	N	10	150	<10	50	N	1,000	<10	30
8BC003N	700	20	N	10	50	70	50	N	2,000	20	70
8BC004N	1,000	<20	N	15	100	70	50	N	1,500	<10	50
8BC005N	2,000	N	N	10	150	<10	50	N	1,000	<10	150
8BC006N	>2,000	N	N	10	100	1,500	50	N	1,000	<10	30
8BC007N	>2,000	<20	N	10	100	50	70	N	1,000	<10	100
8BC008N	>2,000	<20	N	<10	70	10	50	15	2,000	10	30
8BC009N	1,500	20	N	10	100	10	50	N	1,500	<10	150
8BC010N	1,000	N	N	15	150	N	50	N	300	<10	30
8BC011N	700	N	N	10	150	<10	70	N	1,000	<10	50
8BC012N	100	N	N	<10	<20	<10	<50	N	70	<10	50
8BC013N	300	N	N	10	150	10	70	N	150	<10	20
8BC014N	100	50	N	20	200	100	150	N	150	20	1,000
8BC015N	1,500	20	N	30	150	50	70	N	300	30	70
8BC016N	2,000	20	N	15	300	10	100	N	150	<10	70
8BC017N	2,000	N	N	10	70	15	50	N	2,000	<10	150
8BC018N	>2,000	N	N	10	70	<10	50	N	2,000	<10	50
8BC019N	1,000	20	N	15	300	<10	150	N	200	<10	100
8BC020N	20	N	N	20	150	<10	<50	N	150	<10	50
8BC021N	1,000	20	N	30	200	20	70	N	200	<10	70
8BC022N	1,000	20	N	<10	30	500	70	N	2,000	<10	700
8BC023N	<2	N	N	<10	150	<10	50	N	<50	<10	20
8BC024N	200	N	N	20	200	300	100	N	300	<10	70
8BC025N	300	N	N	10	150	<10	70	N	200	<10	30

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-5--Continued					
8LV012N	N	100	N	300	70	N	500	N	>2,000	300
8LV013N	N	150	500	<200	150	500	500	N	>2,000	N
8LV014N	N	70	<20	<200	200	N	500	N	>2,000	N
8LV015N	N	150	200	200	200	N	300	N	>2,000	1,000
8MH001N	N	10	500	<200	150	100	100	N	>2,000	N
8MH001N	N	20	1,000	200	150	100	150	N	>2,000	N
8MH002N	N	N	100	N	70	N	50	N	>2,000	N
8MH003N	N	N	20	N	30	N	<20	N	500	N
8MH004N	N	50	200	N	100	N	30	N	>2,000	N
8MH005N	N	50	700	200	150	N	300	N	>2,000	N
8MH006N	N	100	>2,000	<200	150	N	200	N	>2,000	N
8MH007N	N	100	N	200	70	N	300	N	>2,000	N
8MH008N	N	100	2,000	200	150	N	300	N	>2,000	N
8MH009N	N	200	50	200	100	N	300	N	>2,000	N
8MH009N	N	150	N	200	70	N	300	N	>2,000	N
8MH010N	N	70	50	200	70	N	500	N	>2,000	200
8MH011N	N	70	2,000	500	100	N	300	N	>2,000	N
					B-6--Continued					
8BC001N	N	20	>2,000	N	200	200	100	N	>2,000	N
8BC002N	N	<10	>2,000	N	200	N	50	N	>2,000	N
8BC003N	N	70	>2,000	N	150	N	300	500	>2,000	N
8BC004N	N	70	>2,000	N	150	150	300	N	>2,000	N
8BC005N	N	30	>2,000	N	150	N	150	500	>2,000	N
8BC006N	N	15	>2,000	N	150	N	70	N	>2,000	N
8BC007N	N	20	>2,000	N	200	N	100	1,000	>2,000	N
8BC008N	N	15	>2,000	N	100	N	70	N	>2,000	N
8BC009N	N	50	>2,000	N	150	N	150	N	>2,000	N
8BC010N	N	20	>2,000	N	200	N	70	N	>2,000	N
8BC011N	N	10	>2,000	N	150	N	20	N	1,500	N
8BC012N	N	<10	>2,000	N	20	N	<20	N	150	N
8BC013N	N	<10	>2,000	N	200	<100	30	N	700	N
8BC014N	N	20	>2,000	N	200	N	100	N	>2,000	N
8BC015N	N	50	>2,000	N	200	N	200	N	>2,000	N
8BC016N	N	30	>2,000	N	200	N	150	N	>2,000	N
8BC017N	N	20	>2,000	N	200	N	150	N	>2,000	N
8BC018N	N	20	>2,000	N	150	N	100	N	>2,000	N
8BC019N	N	50	1,000	N	200	N	200	N	>2,000	N
8BC020N	N	70	500	N	200	N	150	1,500	>2,000	N
8BC021N	N	50	>2,000	N	200	N	200	N	>2,000	N
8BC022N	N	20	>2,000	N	100	N	200	N	>2,000	N
8BC023N	N	<10	1,000	N	150	N	30	N	150	N
8BC024N	N	15	>2,000	N	200	N	70	1,000	>2,000	N
8BC025N	N	15	>2,000	N	150	N	70	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-6--Continued							
8BC026N	35 16 17	81 15 13	1.50	.50	.20	1.50	300	N	N	N	500	100
8LW001N	35 22 50	81 16 12	5.00	.70	.70	>2.00	700	N	N	20	500	50
8LW002N	35 26 9	81 17 30	.10	<.05	<.10	>2.00	50	N	N	N	50	<50
8LW003N	35 25 19	81 17 19	.20	.10	.30	>2.00	200	N	N	20	150	700
8LW004N	35 22 53	81 19 39	.20	<.05	.15	>2.00	100	N	N	20	30	<50
8LW005N	35 23 9	81 19 29	.50	<.05	<.10	>2.00	300	N	N	20	30	50
8LW006N	35 23 30	81 19 23	.10	<.05	<.10	>2.00	200	N	N	20	30	<50
8LW007N	35 23 40	81 19 19	.10	<.05	N	>2.00	200	N	N	20	20	N
8LW008N	35 23 38	81 19 2	.20	<.05	<.10	>2.00	300	N	N	N	20	100
8LW012N	35 25 56	81 21 43	.20	.05	N	>2.00	100	N	N	20	<20	N
8LW013N	35 28 1	81 21 16	.10	<.05	N	>2.00	20	N	N	20	20	N
8LW014N	35 29 30	81 20 20	.10	<.05	N	>2.00	50	N	N	20	<20	N
8LW015N	35 28 19	81 19 32	.50	.05	.70	>2.00	500	N	N	N	<20	50
8LW016N	35 24 20	81 21 0	1.00	.20	.50	>2.00	500	N	N	20	150	50
9CY001N	35 22 52	81 25 5	.15	<.05	N	>2.00	100	N	N	N	20	<50
9CY002N	35 23 24	81 23 25	.30	.07	.15	>2.00	200	N	N	N	70	50
9CY003N	35 24 33	81 27 33	.10	<.05	N	>2.00	50	N	N	N	50	<50
9CY004N	35 25 2	81 27 3	.30	<.05	N	>2.00	100	N	N	N	20	<50
9CY005N	35 25 46	81 26 52	.15	<.05	N	>2.00	30	N	N	N	<20	<50
9CY006N	35 26 18	81 26 7	.10	<.05	N	>2.00	30	N	N	N	20	<50
9CY007N	35 26 44	81 25 8	.70	<.05	N	>2.00	100	N	N	N	20	<50
9CY008N	35 23 24	81 29 7	.50	<.05	N	>2.00	50	N	N	N	20	50
9CY010N	35 26 29	81 29 28	.50	<.05	.70	>2.00	150	N	N	N	20	50
9CY011N	35 28 7	81 29 8	.20	<.05	.30	>2.00	70	N	N	N	20	70
9CY012N	35 28 19	81 29 25	.30	.05	N	>2.00	70	N	N	N	20	<50
9CY013N	35 28 21	81 29 19	.20	<.05	N	>2.00	50	N	N	N	50	<50
9CY014N	35 28 56	81 28 48	.20	<.05	N	>2.00	50	N	N	N	100	<50
9CY015N	35 29 8	81 29 46	.20	<.05	N	>2.00	100	N	N	N	20	<50
9CY016N	35 29 28	81 24 20	.20	.05	N	>2.00	50	N	N	N	20	N
9CY017N	35 29 38	81 23 1	<.10	<.05	N	>2.00	50	N	N	N	50	100
9CY018N	35 28 48	81 25 18	.10	<.05	N	>2.00	50	N	N	N	20	50
9CY019N	35 25 5	81 24 37	.10	<.05	N	>2.00	50	N	N	N	20	<50
9CY020N	35 25 2	81 24 36	.10	.05	N	>2.00	50	N	N	N	20	<50
9CY021N	35 25 29	81 23 51	.10	<.05	N	>2.00	50	N	N	N	20	<50
9CY022N	35 25 38	81 23 55	<.10	<.05	N	>2.00	50	N	N	N	20	<50
9CY023N	35 27 6	81 24 18	.10	<.05	N	>2.00	50	N	N	N	20	<50
9CY024N	35 28 13	81 24 8	.10	<.05	N	>2.00	50	N	N	N	20	N
9LW009N	35 26 16	81 18 44	.10	<.05	.50	>2.00	70	N	N	N	30	<50
9LW010N	35 26 12	81 20 6	<.10	<.05	N	>2.00	30	N	N	N	20	N
9LW011N	35 26 7	81 20 8	<.10	<.05	N	>2.00	50	N	N	N	20	N
9LW017N	35 28 33	81 21 52	<.10	<.05	.15	>2.00	70	N	N	N	100	N
9LW017N	35 28 33	81 21 52	.10	<.05	N	>2.00	30	N	N	N	100	50
9LW018N	35 28 22	81 21 48	<.10	<.05	.15	>2.00	50	N	N	N	<20	N
9LW019N	35 23 52	81 22 12	<.10	<.05	.20	>2.00	70	10	N	N	70	N
9LW020N	35 24 23	81 22 27	.10	<.05	.10	>2.00	100	N	N	N	70	<50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-6--Continued						
8BC026N	2	N	N	10	100	<10	50	N	50	<10	<20
8LW001N	200	N	N	50	200	70	N	N	300	100	20
8LW002N	15	<20	N	20	200	N	100	N	150	<10	20
8LW003N	200	N	N	20	200	<10	70	N	200	<10	20
8LW004N	500	N	N	10	200	<10	200	N	300	<10	30
8LW005N	150	N	N	20	200	200	300	N	500	<10	50
8LW006N	100	N	N	<10	70	20	500	N	500	<10	50
8LW007N	70	N	N	<10	100	10	300	N	500	<10	30
8LW008N	50	N	N	20	70	<10	50	N	100	<10	50
8LW012N	15	N	N	20	700	N	200	N	300	<10	N
8LW013N	5	N	N	20	500	N	2,000	N	200	<10	20
8LW014N	5	N	N	30	700	N	100	N	200	<10	20
8LW015N	N	N	N	15	200	N	>2,000	N	100	<10	30
8LW016N	150	N	N	30	200	70	>2,000	N	1,000	20	200
9CY001N	3	N	N	15	500	10	700	N	200	<10	<20
9CY002N	5	N	N	20	300	10	>2,000	N	300	<10	70
9CY003N	15	N	N	20	500	N	70	N	300	<10	N
9CY004N	3	N	N	15	300	70	150	N	200	10	N
9CY005N	2	N	N	15	300	N	50	N	300	10	N
9CY006N	50	N	N	20	300	N	300	N	200	<10	<20
9CY007N	5	N	N	20	200	300	1,000	N	300	15	20
9CY008N	200	N	N	20	300	50	50	N	500	10	30
9CY010N	200	N	N	15	150	10	300	N	150	10	100
9CY011N	<2	N	N	15	200	N	50	N	200	<10	20
9CY012N	2	N	N	<10	300	N	300	N	500	10	<20
9CY013N	3	N	N	15	300	<10	2,000	N	300	10	70
9CY014N	50	N	N	10	300	15	1,000	N	200	10	<20
9CY015N	7	N	N	10	300	N	200	N	700	10	N
9CY016N	7	N	N	15	500	10	>2,000	N	300	10	50
9CY017N	7	N	N	15	70	N	500	N	200	<10	<20
9CY018N	3	N	N	20	300	N	150	N	500	<10	20
9CY019N	3	N	N	20	300	N	200	N	500	10	<20
9CY020N	5	N	N	20	500	N	500	N	300	10	20
9CY021N	7	N	N	20	500	N	500	N	300	10	<20
9CY022N	5	N	N	20	500	N	100	N	500	10	<20
9CY023N	5	N	N	20	500	N	>2,000	N	300	<10	50
9CY024N	30	N	N	20	500	N	1,500	N	500	<10	20
9LW009N	N	N	N	N	<20	N	200	N	<50	N	20
9LW010N	N	N	N	N	100	N	N	N	100	N	N
9LW011N	20	N	N	N	150	N	N	N	70	N	N
9LW017N	70	N	N	N	100	N	N	N	150	N	70
9LW017N	50	N	N	20	200	10	2,000	N	300	N	<20
9LW018N	200	N	N	N	150	N	N	N	200	N	100
9LW019N	500	50	N	N	100	20	N	N	700	N	100
9LW020N	300	N	N	N	20	N	70	N	70	N	20

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-6--Continued					
8BC026N	N	10	150	N	150	N	150	N	1,500	N
8LW001N	N	10	>2,000	N	150	N	30	N	>2,000	N
8LW002N	N	150	>2,000	N	300	N	300	N	>2,000	N
8LW003N	N	100	>2,000	N	200	N	500	N	>2,000	N
8LW004N	N	50	2,000	200	200	N	200	N	>2,000	N
8LW005N	N	70	>2,000	N	300	N	300	N	>2,000	N
8LW006N	N	50	>2,000	N	150	N	300	N	>2,000	N
8LW007N	N	50	>2,000	N	200	N	300	N	>2,000	N
8LW008N	N	50	>2,000	<200	200	N	300	N	>2,000	N
8LW012N	N	20	100	N	500	N	70	N	>2,000	N
8LW013N	N	20	700	N	500	N	300	N	>2,000	500
8LW014N	N	50	50	N	500	N	200	N	>2,000	N
8LW015N	N	70	N	<200	200	N	500	N	>2,000	300
8LW016N	N	70	>2,000	<200	200	N	300	N	>2,000	1,000
9CY001N	N	20	150	N	500	N	70	N	>2,000	N
9CY002N	N	15	2,000	N	500	N	500	N	>2,000	1,500
9CY003N	N	15	50	N	500	N	50	N	>2,000	N
9CY004N	N	10	70	N	500	N	30	N	>2,000	N
9CY005N	N	30	1,000	N	500	N	70	N	>2,000	N
9CY006N	N	100	700	N	500	N	100	N	>2,000	N
9CY007N	N	50	500	N	500	N	100	N	>2,000	300
9CY008N	N	150	700	N	200	N	200	N	>2,000	N
9CY010N	N	100	700	N	300	N	300	N	>2,000	N
9CY011N	N	100	N	N	300	N	200	N	>2,000	N
9CY012N	N	10	30	N	300	N	30	N	>2,000	N
9CY013N	N	20	<20	N	300	N	100	N	>2,000	700
9CY014N	N	15	100	N	300	N	100	N	>2,000	200
9CY015N	N	15	N	N	300	N	50	N	>2,000	N
9CY016N	N	20	N	N	500	N	500	N	>2,000	2,000
9CY017N	N	70	300	N	200	N	500	N	>2,000	500
9CY018N	N	150	200	N	300	N	300	N	>2,000	N
9CY019N	N	70	200	N	300	N	100	N	>2,000	N
9CY020N	N	20	300	N	500	N	70	N	>2,000	N
9CY021N	N	20	<20	N	500	N	70	N	>2,000	N
9CY022N	N	30	150	N	500	N	50	N	>2,000	N
9CY023N	N	20	70	N	300	N	150	N	N	700
9CY024N	N	20	700	N	300	N	150	N	>2,000	N
9LW009N	N	10	200	<200	150	N	1,000	N	>2,000	N
9LW010N	N	20	100	N	500	N	150	N	>2,000	N
9LW011N	N	<10	20	N	500	N	50	N	>2,000	N
9LW017N	N	<10	1,500	N	300	N	100	N	>2,000	N
9LW017N	N	20	N	N	500	N	150	N	>2,000	300
9LW018N	N	10	2,000	N	500	N	150	N	>2,000	N
9LW019N	N	<10	>2,000	N	500	N	100	N	>2,000	N
9LW020N	N	<10	2,000	N	150	N	200	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-6--Continued							
9LW021N	35 24 23	81 18 7	<.10	<.05	.15	>2.00	50	N	N	N	50	<50
9LW022N	35 27 40	81 15 15	.20	.07	<.10	2.00	100	N	N	N	200	N
9LW023N	35 26 29	81 16 54	.10	<.05	N	>2.00	300	N	N	N	50	N
9LW024N	35 26 29	81 16 53	.10	<.05	.20	>2.00	300	N	N	N	70	<50
9LW025N	35 27 30	81 16 45	<.10	<.05	<.10	>2.00	30	N	N	N	20	<50
9LW026N	35 23 15	81 16 0	.15	<.05	.15	2.00	200	N	N	N	150	N
9WA001N	35 20 28	81 25 34	1.00	<.05	.10	>2.00	500	N	N	N	50	N
9WA002N	35 18 33	81 24 24	1.50	<.05	1.50	>2.00	150	N	N	N	50	N
9WA003N	35 15 30	81 28 52	.20	<.05	.10	>2.00	70	N	N	N	20	N
9WA004N	35 15 12	81 29 9	.15	<.05	N	>2.00	30	N	N	N	50	N
9WA009N	35 21 2	81 26 38	.50	.07	<.10	>2.00	50	N	N	N	500	N
9WA010N	35 22 18	81 27 16	.10	<.05	N	>2.00	30	N	N	N	<20	N
9WA011N	35 19 50	81 26 20	.30	<.05	<.10	>2.00	70	N	N	N	20	N
9WA012N	35 20 56	81 24 25	.10	<.05	<.10	>2.00	50	N	N	N	<20	N
9WA013N	35 19 45	81 23 44	2.00	.05	.50	>2.00	200	N	N	N	200	N
9WA014N	35 20 57	81 23 56	.20	.05	.20	>2.00	100	N	N	N	20	N
9WA015N	35 15 15	81 26 46	.15	<.05	.70	2.00	100	N	N	N	<20	N
9WA017N	35 15 44	81 23 44	.20	<.05	<.10	>2.00	150	N	N	N	<20	N
9WA018N	35 15 39	81 22 59	.20	<.05	N	>2.00	150	N	N	N	<20	N
9WA019N	35 16 31	81 22 44	.20	<.05	<.10	>2.00	150	N	N	N	<20	N
9WA020N	35 17 0	81 23 2	.20	<.05	N	>2.00	150	N	N	N	20	N
9WA021N	35 19 26	81 22 33	.50	<.05	.50	>2.00	150	N	N	N	150	N
					B-8							
9FC001N	35 18 37	81 45 54	.10	<.05	.10	>2.00	30	N	N	N	100	N
9FC002N	35 18 32	81 47 19	.20	<.05	<.10	2.00	50	N	N	N	100	N
9FC003N	35 15 54	81 46 30	.20	<.05	.10	2.00	20	N	N	N	100	N
9RN001N	35 29 8	81 56 3	.15	<.05	.07	1.50	70	N	N	N	20	100
9RN002N	35 29 46	81 55 24	.10	<.05	<.10	1.50	70	N	N	N	20	100
9RN003N	35 29 43	81 55 20	.10	<.05	.30	1.00	70	N	N	N	30	100
9RN004N	35 28 40	81 54 5	.20	<.05	.20	2.00	100	N	N	N	20	70
9RN005N	35 29 55	81 52 45	.20	<.05	.70	2.00	150	N	N	N	<20	100
9RN006N	35 29 46	81 52 32	.20	<.05	.70	2.00	200	N	N	N	20	<50
9RN007N	35 29 28	81 53 1	.15	<.05	.70	2.00	150	N	N	N	<20	100
9RN008N	35 23 43	81 54 54	.10	<.05	.10	1.50	30	N	N	N	<20	150
9RN009N	35 24 38	81 59 25	.10	<.05	.50	2.00	70	N	N	N	<20	100
9RN010N	35 22 35	81 59 52	.15	<.05	.70	2.00	150	N	N	N	<20	70
9RN011N	35 22 30	81 54 56	.10	<.05	<.10	>2.00	50	N	N	N	20	70
9RS001N	35 21 20	81 58 8	.10	<.05	<.10	.10	<20	N	N	N	<20	100
9RS002N	35 20 24	81 58 45	.10	.05	.15	.10	20	N	N	N	<20	100
9RS003N	35 19 38	81 58 7	.10	<.05	N	2.00	20	N	N	N	20	50
9RS004N	35 20 22	81 57 22	.10	<.05	<.10	2.00	30	10	N	200	<20	50
9RS005N	35 18 5	81 57 40	.10	<.05	<.10	>2.00	50	N	N	20	20	<50
9RS006N	35 16 29	81 58 35	.10	<.05	<.10	>2.00	30	N	N	N	<20	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-6--Continued						
9LW021N	500	20	N	N	20	30	50	N	50	N	30
9LW022N	500	N	N	20	70	10	70	N	50	N	70
9LW023N	70	N	N	N	<20	N	70	N	1,000	N	20
9LW024N	700	<20	N	N	20	N	70	N	200	N	20
9LW025N	50	N	N	N	50	N	70	N	50	N	<20
9LW026N	300	N	N	N	20	N	N	N	500	N	20
9WA001N	70	20	N	15	150	10	1,000	N	500	15	<10
9WA002N	50	N	N	15	50	50	50	<10	150	50	N
9WA003N	3	N	N	15	100	N	500	N	700	N	<10
9WA004N	20	N	N	15	150	N	100	N	500	N	N
9WA009N	10	N	N	10	150	<10	1,000	N	150	N	20
9WA010N	5	N	N	15	150	N	1,500	15	100	N	20
9WA011N	15	N	N	N	200	<10	50	N	200	N	N
9WA012N	5	N	N	15	150	N	70	N	300	N	N
9WA013N	500	20	N	50	100	50	200	N	200	70	30
9WA014N	150	N	N	10	150	N	50	N	200	N	30
9WA015N	70	100	N	<10	20	50	50	N	<50	N	<10
9WA017N	200	<20	N	<10	50	10	1,000	N	700	N	30
9WA018N	500	<20	N	10	50	10	150	N	1,000	N	70
9WA019N	500	20	N	10	100	200	50	N	700	N	30
9WA020N	700	N	N	20	100	<10	200	N	1,500	N	100
9WA021N	1,000	<20	N	20	150	30	100	N	1,000	15	20
					B-8--Continued						
9FC001N	20	N	N	20	200	N	1,000	N	500	N	200
9FC002N	15	N	N	10	100	N	300	N	300	N	<20
9FC003N	10	N	N	10	100	N	500	N	200	N	20
9RN001N	N	N	N	10	20	N	200	N	50	N	20
9RN002N	N	N	N	10	20	N	N	N	50	N	50
9RN003N	N	N	N	N	N	N	N	N	50	N	20
9RN004N	N	N	N	N	30	N	50	N	<50	N	<20
9RN005N	N	N	N	10	20	N	N	N	100	N	<20
9RN006N	N	N	N	N	N	<10	50	N	70	N	N
9RN007N	N	N	N	10	20	N	700	N	100	N	20
9RN008N	N	N	N	10	N	N	50	N	100	N	50
9RN009N	N	N	N	10	N	N	50	N	100	N	20
9RN010N	N	N	N	N	N	N	200	N	70	N	<20
9RN011N	N	N	N	10	N	N	150	N	200	N	N
9RS001N	N	N	N	<10	30	N	N	N	N	N	N
9RS002N	N	N	N	<10	20	N	700	N	N	N	N
9RS003N	N	N	N	10	50	N	150	N	200	N	N
9RS004N	N	N	N	10	50	N	>2,000	N	100	N	20
9RS005N	N	N	N	10	70	N	200	N	500	N	N
9RS006N	N	N	N	<10	30	N	200	N	100	N	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-6--Continued					
9LW021N	N	15	>2,000	N	200	N	300	N	>2,000	N
9LW022N	N	N	>2,000	N	150	N	150	N	>2,000	N
9LW023N	N	10	>2,000	N	100	N	200	N	>2,000	N
9LW024N	N	50	>2,000	N	150	N	700	N	>2,000	N
9LW025N	N	15	2,000	N	200	N	500	N	>2,000	N
9LW026N	N	10	>2,000	N	100	N	150	N	>2,000	N
9WA001N	N	20	1,500	N	300	N	150	N	>2,000	500
9WA002N	N	15	700	N	150	N	70	N	>2,000	N
9WA003N	N	15	200	N	300	N	100	N	>2,000	N
9WA004N	N	15	500	N	300	N	50	N	>2,000	N
9WA009N	N	10	30	N	200	N	150	N	>2,000	700
9WA010N	N	10	150	N	300	N	100	N	>2,000	700
9WA011N	N	N	700	N	300	N	20	N	>2,000	N
9WA012N	N	10	700	N	300	N	30	N	>2,000	N
9WA013N	N	70	>2,000	N	300	N	200	N	>2,000	N
9WA014N	N	50	1,000	N	200	N	150	N	>2,000	N
9WA015N	N	100	1,500	N	100	N	300	N	>2,000	N
9WA017N	N	100	>2,000	N	100	N	200	N	>2,000	<200
9WA018N	N	100	>2,000	N	150	N	200	N	>2,000	N
9WA019N	N	100	>2,000	N	150	N	300	N	>2,000	N
9WA020N	N	70	>2,000	N	150	N	150	N	>2,000	N
9WA021N	N	50	>2,000	N	200	N	150	500	>2,000	N
					B-8--Continued					
9FC001N	N	70	1,000	N	200	N	200	N	>2,000	700
9FC002N	N	50	300	N	150	N	150	N	>2,000	<200
9FC003N	N	70	200	N	150	N	150	N	>2,000	<200
9RN001N	N	100	N	N	100	N	500	N	>2,000	300
9RN002N	N	100	N	N	100	N	500	N	>2,000	N
9RN003N	N	70	N	N	70	N	300	N	>2,000	N
9RN004N	N	50	N	N	100	N	500	N	>2,000	N
9RN005N	N	70	N	N	100	N	500	N	>2,000	200
9RN006N	N	30	50	N	100	N	300	N	>2,000	N
9RN007N	N	70	N	N	100	N	500	N	>2,000	700
9RN008N	N	100	20	N	70	N	500	N	>2,000	<200
9RN009N	N	70	N	N	100	N	500	N	>2,000	500
9RN010N	N	30	N	N	150	N	500	N	>2,000	N
9RN011N	N	100	N	N	150	N	300	N	>2,000	N
9RS001N	N	200	20	N	20	N	500	N	>2,000	N
9RS002N	N	200	500	N	30	N	300	N	>2,000	700
9RS003N	N	100	50	N	150	N	200	N	>2,000	<200
9RS004N	N	200	N	N	100	N	300	N	>2,000	1,000
9RS005N	N	50	50	N	150	N	200	N	>2,000	300
9RS006N	N	100	N	N	150	N	300	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-8--Continued							
9RS007N	35 22 12	81 53 50	.15	<.05	<.10	2.00	70	N	N	N	<20	50
9RS008N	35 17 0	81 54 56	.10	<.05	N	>2.00	50	N	N	N	30	N
9RS010N	35 15 8	81 56 52	.15	<.05	.10	2.00	100	3	N	N	<20	N
9SN001N	35 28 29	81 51 4	.20	<.05	.10	>2.00	100	N	N	N	<20	50
9SN002N	35 27 36	81 50 9	.20	<.05	.10	>2.00	50	N	N	N	<20	N
9SN004N	35 28 50	81 45 43	.15	<.05	.10	>2.00	50	N	N	N	20	N
9SN005N	35 24 20	81 51 16	.15	<.05	.10	>2.00	30	N	N	N	<20	50
9SN006N	35 24 36	81 48 39	.10	<.05	.10	>2.00	50	N	N	N	<20	N
9SN007N	35 24 43	81 48 42	.20	<.05	.10	>2.00	30	N	N	N	20	N
9SN008N	35 23 50	81 46 31	.10	<.05	<.10	>2.00	50	N	N	N	70	N
9SN009N	35 25 11	81 52 18	.10	<.05	.10	1.00	20	N	N	N	<20	100
					C-1							
8D001N	35 30 45	80 9 9	3.00	.20	7.00	2.00	700	N	N	N	20	100
8D002N	35 32 10	80 6 1	1.50	.10	1.50	>2.00	300	30	N	500	<20	N
8D003N	35 31 57	80 4 57	1.50	.50	10.00	>2.00	1,000	N	N	N	20	N
8D004N	35 30 44	80 3 52	1.00	.15	.70	>2.00	500	5	N	500	<20	N
8D005N	35 31 30	80 2 2	1.00	.20	.30	>2.00	1,000	N	N	20	<20	200
8D006N	35 31 43	80 1 14	1.50	.15	.20	>2.00	700	N	N	N	<20	100
8D007N	35 33 57	80 2 40	1.00	.15	1.00	>2.00	700	100	N	>1,000	<20	100
8D008N	35 34 38	80 3 15	1.00	.20	.70	>2.00	300	N	N	N	20	300
8D009N	35 35 50	80 1 50	1.00	.10	.10	>2.00	500	N	N	N	<20	100
8D010N	35 36 12	80 3 59	10.00	.70	10.00	>2.00	1,500	N	N	N	20	<50
8D011N	35 35 21	80 6 24	2.00	.15	1.00	>2.00	1,000	N	N	N	<20	70
8D012N	35 35 22	80 8 3	.30	.07	.50	>2.00	200	N	N	N	<20	100
8D013N	35 34 59	80 9 49	.30	.05	.10	>2.00	100	N	N	N	<20	50
8D014N	35 32 19	80 8 21	3.00	.50	3.00	>2.00	2,000	N	N	N	50	50
8D015N	35 32 24	80 9 51	.70	.15	.50	>2.00	500	N	N	N	20	150
8D016N	35 34 2	80 9 10	.70	.05	.50	>2.00	500	N	N	N	<20	100
8D017N	35 34 42	80 7 28	1.00	.15	1.00	>2.00	500	N	N	N	<20	100
8D018N	35 34 37	80 5 25	.50	.15	.10	>2.00	700	N	N	N	<20	200
8D019N	35 34 3	80 4 42	3.00	1.50	15.00	>2.00	1,000	N	N	N	20	N
8D020N	35 36 57	80 8 21	1.00	.15	.70	>2.00	200	N	N	N	<20	100
8D021N	35 34 25	80 12 55	.50	.05	.10	>2.00	100	N	N	N	20	50
8D022N	35 34 19	80 14 41	2.00	.20	2.00	>2.00	1,000	N	N	N	50	100
8D023N	35 32 40	80 14 26	1.00	.15	.50	>2.00	500	N	N	N	<20	200
8D024N	35 37 9	80 4 34	1.00	.20	1.00	>2.00	500	N	N	<20	20	100
8D025N	35 37 45	80 4 38	1.50	.50	2.00	>2.00	700	N	N	N	30	500
8D026N	35 38 41	80 4 3	2.00	.10	1.00	>2.00	300	N	N	N	<20	N
8D027N	35 39 56	80 2 45	10.00	.50	15.00	1.00	1,500	N	N	N	<20	N
8D028N	35 40 30	80 3 40	7.00	.50	10.00	>2.00	1,000	N	N	50	20	N
8D029N	35 42 49	80 2 35	10.00	.50	7.00	>2.00	1,000	N	N	N	<20	200
8D030N	35 43 34	80 2 0	2.00	.70	15.00	1.00	1,500	2	N	N	20	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-8--Continued						
9RS007N	N	N	N	<10	70	N	300	N	150	N	N
9RS008N	100	N	N	15	150	<10	100	N	500	N	N
9RS010N	300	N	N	<10	50	10	N	N	1,000	N	<20
9SN001N	N	N	N	N	70	10	>2,000	N	100	N	20
9SN002N	10	N	N	10	100	10	100	N	300	N	20
9SN004N	20	N	N	15	150	10	N	N	500	N	<20
9SN005N	N	N	N	10	50	10	200	N	150	N	<20
9SN006N	30	N	N	20	150	10	50	N	500	N	20
9SN007N	30	N	N	15	100	10	50	N	200	<10	20
9SN008N	15	N	N	15	200	N	300	N	300	N	<20
9SN009N	N	N	N	10	30	20	200	N	50	N	<20
					C-1--Continued						
8D001N	N	N	N	<10	150	N	N	N	<50	<10	20
8D002N	N	N	N	N	100	N	N	N	50	<10	200
8D003N	3	N	N	20	700	N	<50	N	100	<10	50
8D004N	3	N	N	15	200	<10	N	N	50	<10	30
8D005N	15	N	N	20	150	<10	<50	N	100	<10	50
8D006N	10	N	N	20	500	<10	N	N	70	<10	70
8D007N	5	N	N	20	1,000	<10	N	N	100	<10	200
8D008N	7	N	N	20	300	200	100	N	100	<10	300
8D009N	10	N	N	20	150	N	150	N	100	<10	30
8D010N	2	N	N	20	1,500	10	200	N	<50	<10	300
8D011N	5	N	N	30	700	N	70	N	100	20	50
8D012N	5	N	N	20	500	200	100	N	100	<10	30
8D013N	3	N	N	<10	150	N	<50	N	70	<10	200
8D014N	2	N	N	20	700	70	50	N	70	15	50
8D015N	20	N	N	20	500	N	50	N	100	<10	100
8D016N	5	N	N	20	150	N	50	N	100	<10	20
8D017N	3	N	N	20	700	N	<50	N	100	<10	30
8D018N	7	N	N	20	700	N	<50	N	100	<10	70
8D019N	<2	N	N	10	700	15	50	N	<50	20	50
8D020N	7	N	N	15	500	N	<50	N	100	<10	150
8D021N	5	N	N	10	150	N	<50	N	70	<10	2,000
8D022N	200	N	N	20	500	10	100	N	70	<10	70
8D023N	10	N	N	20	300	N	70	N	200	<10	70
8D024N	7	N	N	30	500	200	N	N	100	<10	50
8D025N	10	N	N	20	300	N	N	N	50	<10	70
8D026N	<2	N	N	30	200	100	N	N	100	<10	1,000
8D027N	<2	N	N	15	500	N	50	N	N	<10	30
8D028N	<2	N	N	10	200	300	N	N	70	<10	50
8D029N	3	N	N	20	300	15	50	N	70	<10	30
8D030N	<2	N	N	20	300	15	<50	N	<50	<10	70

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
				B-8--Continued						
9RS007N	N	70	100	N	150	N	200	N	>2,000	<200
9RS008N	N	20	700	N	200	N	50	N	>2,000	N
9RS010N	N	30	>2,000	N	100	N	100	N	>2,000	N
9SN001N	N	100	N	N	100	N	5,000	N	>2,000	500
9SN002N	N	70	N	N	200	N	200	N	>2,000	N
9SN004N	N	70	50	N	200	N	200	N	>2,000	N
9SN005N	N	100	N	N	100	N	300	N	>2,000	N
9SN006N	N	100	200	N	300	N	300	N	>2,000	N
9SN007N	N	150	100	N	200	N	300	N	>2,000	N
9SN008N	N	100	<20	N	300	N	150	N	>2,000	N
9SN009N	N	200	N	N	50	N	500	N	>2,000	200
				C-1--Continued						
8D001N	N	10	N	700	300	N	150	N	>2,000	N
8D002N	N	10	N	200	300	N	100	N	>2,000	N
8D003N	N	50	N	300	500	N	150	N	>2,000	N
8D004N	N	50	500	200	500	N	300	N	>2,000	N
8D005N	N	30	150	<200	300	N	100	N	>2,000	N
8D006N	N	30	200	<200	500	N	50	N	1,000	N
8D007N	N	50	500	<200	700	N	100	1,000	>2,000	N
8D008N	N	20	N	<200	300	N	150	2,000	>2,000	N
8D009N	N	20	100	200	200	N	150	N	>2,000	N
8D010N	N	70	N	1,000	1,000	N	100	N	300	N
8D011N	N	50	70	700	500	N	150	N	>2,000	N
8D012N	N	70	100	200	700	N	200	N	>2,000	N
8D013N	N	50	300	<200	300	N	300	N	>2,000	N
8D014N	N	30	200	300	500	N	70	N	>2,000	N
8D015N	N	50	N	200	500	N	200	N	>2,000	N
8D016N	N	70	N	<200	300	N	200	1,000	>2,000	N
8D017N	N	70	N	200	700	N	300	N	>2,000	N
8D018N	N	50	100	<200	700	N	100	N	>2,000	N
8D019N	N	50	30	1,000	700	N	100	N	>2,000	N
8D020N	N	50	N	200	700	N	150	N	>2,000	N
8D021N	N	30	150	<200	300	N	300	700	>2,000	N
8D022N	N	70	150	300	500	N	200	N	>2,000	N
8D023N	N	100	50	<200	500	N	300	N	>2,000	N
8D024N	N	50	N	<200	700	N	100	1,000	>2,000	N
8D025N	N	50	N	300	700	N	150	N	>2,000	N
8D026N	N	30	N	<200	300	N	150	N	>2,000	N
8D027N	N	100	N	1,000	1,000	N	100	N	1,000	N
8D028N	N	50	500	700	700	N	150	N	>2,000	N
8D029N	N	50	N	700	500	N	100	N	>2,000	N
8D030N	N	70	300	1,000	700	N	100	N	1,500	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-1--Continued							
8D031N	35 43 47	80 0 15	10.00	1.50	15.00	.70	1,500	N	N	N	<20	N
8D032N	35 44 51	80 3 27	7.00	1.00	10.00	>2.00	1,500	N	N	N	<20	300
8D033N	35 37 5	80 1 31	7.00	1.00	15.00	2.00	1,500	N	N	N	<20	N
8D034N	35 37 0	80 1 24	3.00	.30	5.00	>2.00	1,000	N	N	N	20	150
8D035N	35 41 42	80 6 0	.30	.07	.10	>2.00	200	N	N	50	<20	70
8D036N	35 41 42	80 6 40	2.00	.50	2.00	>2.00	700	N	N	N	<20	150
8D037N	35 40 46	80 6 47	2.00	.20	.50	>2.00	300	100	N	500	50	700
8D038N	35 39 37	80 7 33	.20	.07	.30	>2.00	100	N	N	N	N	50
8D039N	35 38 54	80 7 22	1.00	.15	.70	>2.00	300	30	N	500	<20	150
8D040N	35 39 1	80 9 59	1.00	.30	1.50	>2.00	700	N	N	N	<20	200
8D041N	35 41 34	80 8 36	.50	.15	.50	>2.00	200	N	N	N	<20	100
8D042N	35 39 2	80 12 25	.70	.15	.20	>2.00	150	N	N	N	<20	N
8D043N	35 39 2	80 14 6	.70	.15	.20	>2.00	200	N	N	N	<20	200
8D044N	35 40 32	80 13 27	.70	.15	<.10	>2.00	300	N	N	N	20	100
8D045N	35 41 15	80 12 3	.15	.07	<.10	>2.00	100	N	N	300	<20	50
8D046N	35 41 38	80 12 14	.20	.10	.10	>2.00	150	N	N	N	<20	50
8D047N	35 42 22	80 12 13	.70	.10	.10	>2.00	200	3	N	N	<20	50
8D048N	35 43 37	80 10 6	1.00	.15	3.00	>2.00	500	N	N	N	<20	<50
8D049N	35 44 0	80 11 30	1.00	.30	.20	>2.00	300	N	N	N	<20	70
8D050N	35 43 54	80 14 2	.30	.10	.10	>2.00	300	N	N	N	20	70
8D051N	35 43 16	80 14 40	.50	.10	.20	>2.00	200	N	N	N	20	70
8D052N	35 43 25	80 7 0	1.00	.30	3.00	>2.00	700	150	N	50	<20	70
8D053N	35 44 40	80 4 52	1.00	.15	2.00	>2.00	500	N	N	N	20	70
8D054N	35 43 51	80 8 3	2.00	.20	5.00	>2.00	700	N	N	N	20	100
8D055N	35 43 43	80 8 52	2.00	.15	5.00	>2.00	500	N	N	N	20	70
					C-2							
8GH001N	35 30 27	80 20 33	1.50	.07	.30	>2.00	500	200	N	>1,000	N	>10,000
8GH002N	35 30 48	80 21 12	2.00	.15	.50	>2.00	500	20	N	1,000	N	1,500
8GH003N	35 30 50	80 21 14	.70	.05	.07	>2.00	200	10	N	500	N	100
8GH004N	35 30 53	80 21 46	1.50	.05	.70	>2.00	300	N	N	N	N	100
8GH008N	35 33 57	80 21 9	.20	.07	<.10	>2.00	50	N	N	N	<20	200
8GH009N	35 33 58	80 17 53	.20	.05	.15	>2.00	150	N	N	N	<20	<50
8GH010N	35 35 8	80 17 21	.20	.05	<.10	>2.00	200	N	N	N	<20	50
8GH011N	35 35 23	80 16 32	1.00	.10	.70	>2.00	300	N	N	N	<20	50
8GH012N	35 34 4	80 15 47	2.00	.05	.20	>2.00	200	N	N	N	<20	<50
8GH013N	35 30 47	80 16 38	.20	.07	<.10	>2.00	200	N	N	N	<20	100
8GH014N	35 30 42	80 15 42	.20	.07	<.10	>2.00	150	N	N	N	<20	100
8GH015N	35 32 49	80 16 39	.20	.07	.20	>2.00	20	N	N	N	<20	70
8GH017N	35 35 16	80 21 34	.20	<.05	.50	>2.00	70	N	N	N	<20	50
8GH018N	35 36 29	80 20 14	.20	.05	.20	>2.00	150	N	N	N	<20	100
8GH019N	35 37 7	80 18 34	.50	.07	.70	>2.00	150	N	N	N	<20	100

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-1--Continued						
8D031N	<2	N	N	20	300	20	N	N	<50	<10	20
8D032N	5	N	N	30	200	300	100	N	100	<10	50
8D033N	2	N	N	15	300	10	50	15	<50	<10	30
8D034N	5	N	N	15	50	20	300	N	100	<10	70
8D035N	200	N	N	20	150	N	N	N	100	<10	200
8D036N	7	N	N	20	300	200	50	N	150	<10	50
8D037N	7	N	N	50	70	N	300	N	150	<10	100
8D038N	5	N	N	50	70	N	70	N	300	<10	20
8D039N	5	N	N	30	300	N	N	N	150	<10	30
8D040N	3	N	N	15	150	N	N	N	150	<10	30
8D041N	5	N	N	20	70	N	50	N	200	<10	1,000
8D042N	7	N	N	15	150	N	N	N	100	<10	20
8D043N	2	N	N	50	70	N	N	N	100	<10	100
8D044N	10	N	N	30	100	300	N	N	200	<10	50
8D045N	2	N	N	20	70	N	N	N	100	<10	30
8D046N	7	N	N	30	100	N	N	N	70	<10	50
8D047N	5	N	N	30	200	<10	<50	N	100	<10	70
8D048N	2	N	N	20	300	2,000	N	N	<50	<10	700
8D049N	3	N	N	20	150	N	N	N	70	<10	20
8D050N	7	N	N	20	150	N	<50	N	100	<10	50
8D051N	2	200	N	20	50	30	N	N	50	<10	150
8D052N	5	N	N	30	200	2,000	200	N	50	<10	3,000
8D053N	100	N	N	<10	150	<10	N	N	50	<10	100
8D054N	2	N	N	20	200	10	<50	N	50	10	50
8D055N	5	N	N	10	200	<10	100	N	50	<10	20
					C-2--Continued						
8GH001N	2	500	N	20	70	200	50	N	200	<10	700
8GH002N	5	50	N	20	50	1,500	100	N	200	<10	2,000
8GH003N	3	N	N	20	150	20	70	N	50	<10	300
8GH004N	3	N	N	20	100	500	70	N	50	<10	100
8GH008N	N	N	N	20	30	20	500	N	100	<10	50
8GH009N	N	N	N	15	100	<10	<50	N	50	<10	<20
8GH010N	2	N	N	20	150	15	<50	N	50	<10	<20
8GH011N	50	N	N	20	200	20	50	N	50	<10	300
8GH012N	2	N	N	30	300	20	100	N	50	<10	<20
8GH013N	3	N	N	20	150	<10	50	N	50	<10	20
8GH014N	5	N	N	20	100	<10	50	N	70	<10	<20
8GH015N	5	N	N	20	150	300	<50	N	50	<10	20
8GH017N	N	N	N	10	50	<10	200	N	N	<10	<20
8GH018N	N	N	N	20	100	10	300	N	N	<10	300
8GH019N	N	N	N	20	200	<10	100	N	<50	<10	20

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-1--Continued					
8D031N	N	50	N	700	700	N	70	N	1,000	N
8D032N	N	30	N	700	500	N	100	N	>2,000	N
8D033N	N	50	N	1,000	700	N	100	N	1,000	N
8D034N	N	20	N	700	500	N	50	N	1,500	N
8D035N	N	20	200	<200	300	N	150	N	>2,000	N
8D036N	N	20	N	200	300	N	150	N	>2,000	N
8D037N	N	70	N	200	300	N	500	7,000	>2,000	N
8D038N	N	50	50	<200	500	N	500	N	1,000	N
8D039N	N	50	300	200	500	N	200	N	>2,000	N
8D040N	N	30	N	300	500	N	100	N	>2,000	N
8D041N	N	50	300	200	300	N	150	N	>2,000	N
8D042N	N	10	200	<200	200	N	100	N	>2,000	N
8D043N	N	15	50	<200	300	N	200	1,500	>2,000	N
8D044N	N	20	N	<200	200	N	100	N	>2,000	N
8D045N	N	20	300	<200	200	N	200	N	>2,000	N
8D046N	N	30	N	<200	200	N	200	N	>2,000	N
8D047N	N	20	N	N	500	N	150	N	1,000	N
8D048N	N	30	50	200	500	N	200	N	>2,000	N
8D049N	N	15	N	<200	500	N	150	N	1,500	N
8D050N	N	20	100	<200	300	N	150	N	>2,000	N
8D051N	N	15	N	200	500	N	200	1,000	>2,000	N
8D052N	N	30	100	200	500	N	300	2,000	>2,000	N
8D053N	N	20	N	200	500	N	200	N	>2,000	N
8D054N	N	20	N	500	300	N	100	N	>2,000	N
8D055N	N	50	N	500	500	N	100	N	>2,000	N
					C-2--Continued					
8GH001N	N	15	100	N	150	1,000	500	1,500	>2,000	N
8GH002N	N	50	300	N	200	200	500	700	>2,000	N
8GH003N	N	70	300	N	300	N	500	2,000	>2,000	N
8GH004N	N	50	N	N	300	N	500	N	>2,000	N
8GH008N	N	30	N	N	100	N	300	N	>2,000	N
8GH009N	N	50	N	N	200	N	200	N	>2,000	N
8GH010N	N	50	20	N	200	N	200	N	>2,000	N
8GH011N	N	50	70	<200	200	N	300	N	>2,000	N
8GH012N	N	30	N	N	300	N	200	N	>2,000	N
8GH013N	N	150	N	N	200	N	150	N	>2,000	N
8GH014N	N	50	300	N	200	N	150	N	>2,000	N
8GH015N	N	50	N	N	200	N	200	N	>2,000	N
8GH017N	N	50	200	N	300	N	500	N	>2,000	N
8GH018N	N	50	200	N	200	N	300	N	>2,000	N
8GH019N	N	50	100	<200	300	N	200	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-2--Continued							
8GH020N	35 33 19	80 19 46	.10	.07	.10	>2.00	150	50	N	>1,000	20	150
8GH021N	35 34 30	80 19 17	<.10	.05	.10	>2.00	200	N	N	N	<20	200
8GH022N	35 34 13	80 18 11	.15	.07	.10	>2.00	200	N	N	70	<20	200
8GH023N	35 33 26	80 18 35	.10	<.05	<.10	>2.00	200	N	N	<20	<20	70
8GH024N	35 31 25	80 17 46	.15	.15	.10	>2.00	300	N	N	100	<20	100
8RC001N	35 35 20	80 29 59	.50	<.05	.50	>2.00	700	N	N	N	<20	70
8RC002N	35 35 35	80 29 13	.50	<.05	.20	>2.00	500	5	N	150	<20	100
8RC003N	35 34 59	80 29 57	.15	<.05	.50	2.00	200	150	N	>1,000	<20	<50
8RC004N	35 35 15	80 28 55	.30	<.05	.15	>2.00	700	N	N	N	<20	<50
8RC005N	35 33 31	80 27 33	.30	.05	.70	>2.00	500	N	N	N	<20	<50
8RC006N	35 32 9	80 26 57	.30	<.05	.30	>2.00	1,000	500	N	>1,000	<20	50
8RC007N	35 31 53	80 27 24	.15	<.05	.10	>2.00	700	N	N	N	20	100
8RC008N	35 32 3	80 28 15	.20	<.05	.10	>2.00	500	N	N	N	<20	70
8RC009N	35 31 5	80 29 42	.10	<.05	.10	2.00	500	N	N	N	<20	70
8RC010N	35 30 15	80 29 47	.10	<.05	.10	2.00	300	1	N	N	<20	100
8RC011N	35 31 23	80 26 26	.20	<.05	.50	2.00	500	1	N	<20	<20	70
8RC012N	35 36 39	80 27 59	.30	<.05	.50	>2.00	700	N	N	N	<20	70
8RC013N	35 36 43	80 28 0	.10	<.05	.15	>2.00	200	N	N	N	20	70
8RC014N	35 36 0	80 27 59	.20	<.05	.15	>2.00	300	N	N	N	<20	70
8RC015N	35 33 30	80 26 30	.30	.05	1.00	>2.00	500	15	N	100	20	100
8RC016N	35 32 59	80 25 32	.20	.05	1.00	>2.00	500	N	N	N	<20	100
8RC017N	35 32 15	80 24 48	.10	<.05	.15	>2.00	200	N	N	N	<20	70
8RC018N	35 31 49	80 25 7	.15	<.05	.70	>2.00	300	N	N	N	<20	100
8RC019N	35 31 14	80 25 29	1.00	<.05	.70	>2.00	1,000	N	N	N	<20	100
8RC020N	35 31 11	80 24 29	.50	<.05	.50	>2.00	200	N	N	N	<20	100
8RC021N	35 32 31	80 22 29	.70	.07	.70	>2.00	700	15	N	N	<20	150
8RC022N	35 31 12	80 23 24	.20	<.05	.20	>2.00	100	N	N	N	<20	150
8RC023N	35 33 59	80 24 4	.20	<.05	.50	>2.00	200	N	N	N	<20	100
8RC024N	35 34 57	80 25 52	.10	<.05	.10	>2.00	150	N	N	N	50	100
8RC025N	35 35 22	80 26 18	.30	<.05	<.10	>2.00	200	N	N	N	<20	300
8RC026N	35 37 13	80 24 3	.20	<.05	1.00	>2.00	300	N	N	N	20	100
8RC027N	35 36 58	80 23 28	.30	<.05	.70	>2.00	200	N	N	N	<20	100
8RC028N	35 35 50	80 23 57	.30	.05	1.50	>2.00	700	N	N	N	50	100
8RC029N	35 36 39	80 23 58	1.00	<.05	.70	>2.00	5,000	N	N	N	<20	100
8RC030N	35 34 4	80 22 47	.20	<.05	.70	>2.00	200	10	N	N	<20	100
8RC031N	35 33 58	80 22 56	.20	<.05	.70	>2.00	700	N	N	N	20	150
8RC032N	35 33 48	80 22 59	.30	.05	1.50	>2.00	1,000	N	N	N	20	100
8SA001N	35 42 15	80 28 52	<.10	<.05	.05	.70	100	N	N	N	<20	200
8SA002N	35 44 21	80 28 56	.50	<.05	15.00	>2.00	300	N	N	N	<20	150
8SA003N	35 44 51	80 28 27	.50	<.05	10.00	>2.00	300	N	N	N	20	500
8SA004N	35 43 1	80 26 6	3.00	<.05	2.00	>2.00	1,500	N	N	N	<20	70
8SA005N	35 42 37	80 27 12	.30	<.05	1.00	>2,00	500	N	N	N	<20	100
8SA005N	35 42 37	80 27 12	.70	<.05	1.50	>2.00	1,000	N	N	N	<20	300
8SA006N	35 41 45	80 28 17	.15	<.05	2.00	>2.00	200	N	N	N	<20	200
8SA007N	35 40 59	80 28 40	2.00	<.05	1.50	>2.00	200	N	N	N	30	500

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-2--Continued						
8GH020N	3	N	N	20	150	<10	50	N	70	<10	50
8GH021N	3	N	N	20	200	2,000	<50	N	70	<10	1,500
8GH022N	5	N	N	15	200	100	<50	N	50	<10	150
8GH023N	7	N	N	15	100	<10	<50	N	70	<10	2,000
8GH024N	5	N	N	20	150	<10	<50	N	50	<10	50
8RC001N	2	N	N	N	50	<10	50	N	<50	<10	30
8RC002N	50	N	N	N	50	2,000	50	N	50	<10	300
8RC003N	100	N	N	N	20	100	50	N	<50	<10	30
8RC004N	50	N	N	N	20	10	<50	N	70	<10	70
8RC005N	10	N	N	N	30	<10	50	N	70	<10	70
8RC006N	15	N	N	N	30	10	50	N	150	<10	50
8RC007N	30	N	N	N	50	<10	50	N	100	<10	50
8RC008N	200	N	N	N	50	20	50	N	200	<10	100
8RC009N	20	N	N	N	50	<10	50	N	50	<10	30
8RC010N	30	N	N	N	50	<10	50	N	50	<10	100
8RC011N	N	N	N	N	50	10	<50	N	N	<10	100
8RC012N	70	N	N	N	70	150	50	N	50	<10	50
8RC013N	20	N	N	N	70	<10	50	N	50	<10	30
8RC014N	70	N	N	N	30	<10	<50	N	70	<10	70
8RC015N	15	N	N	N	100	20	<50	N	100	<10	1,000
8RC016N	7	N	N	15	100	<10	<50	N	50	<10	200
8RC017N	3	N	N	N	70	50	<50	N	<50	<10	100
8RC018N	7	N	N	N	70	<10	70	N	<50	<10	50
8RC019N	<2	N	N	N	100	<10	<50	N	<50	<10	30
8RC020N	<2	N	N	N	50	<10	50	N	<50	<10	30
8RC021N	<2	N	N	20	100	500	<50	N	<50	<10	100
8RC022N	<2	N	N	15	50	20	<50	N	<50	<10	20
8RC023N	<2	N	N	15	50	<10	<50	N	<50	<10	150
8RC024N	20	N	N	N	70	N	50	N	100	<10	100
8RC025N	15	N	N	N	50	50	300	N	50	<10	100
8RC026N	15	N	N	10	100	700	50	N	70	<10	1,000
8RC027N	2	N	N	20	100	500	N	N	<50	<10	30
8RC028N	7	N	N	<10	100	N	2,000	N	50	<10	30
8RC029N	3	N	N	10	70	N	<50	N	<50	<10	20
8RC030N	<2	N	N	20	70	700	50	N	<50	<10	200
8RC031N	<2	N	N	N	70	N	200	N	<50	<10	200
8RC032N	<2	N	N	N	70	N	100	N	<50	<10	20
8SA001N	N	N	N	N	20	<10	50	N	N	20	20
8SA002N	3	N	N	N	50	<10	300	N	<50	<10	50
8SA003N	2	N	N	N	100	<10	700	N	<50	<10	70
8SA004N	N	N	N	10	100	10	200	N	<50	<10	70
8SA005N	N	N	N	N	70	<10	50	N	<50	<10	70
8SA005N	2	N	N	N	100	<10	100	N	<50	<10	30
8SA006N	3	N	N	10	50	<10	300	N	<50	<10	50
8SA007N	N	N	N	70	70	500	500	N	<50	<10	1,500

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-2--Continued					
8GH020N	N	70	100	N	150	N	200	1,000	>2,000	N
8GH021N	N	70	700	N	150	N	200	N	>2,000	N
8GH022N	N	100	150	N	200	N	200	N	>2,000	N
8GH023N	N	70	200	N	100	N	200	N	>2,000	N
8GH024N	N	150	200	N	200	N	150	N	>2,000	N
8RC001N	N	150	100	N	100	N	300	N	>2,000	N
8RC002N	N	200	700	N	100	N	500	N	>2,000	<200
8RC003N	N	70	2,000	N	100	N	500	N	>2,000	N
8RC004N	N	70	2,000	N	100	N	700	N	>2,000	<200
8RC005N	N	100	>2,000	N	100	N	700	500	>2,000	200
8RC006N	N	200	>2,000	N	70	N	500	N	>2,000	300
8RC007N	N	200	>2,000	N	100	N	700	N	>2,000	1,500
8RC008N	N	200	>2,000	N	50	N	1,000	N	>2,000	1,000
8RC009N	N	200	>2,000	N	100	N	700	N	>2,000	500
8RC010N	N	200	1,000	N	100	N	700	N	>2,000	300
8RC011N	N	200	300	N	100	N	500	N	>2,000	<200
8RC012N	N	200	150	N	150	N	700	N	>2,000	200
8RC013N	N	150	2,000	N	100	N	700	N	>2,000	<200
8RC014N	N	200	2,000	N	70	N	1,000	N	>2,000	200
8RC015N	N	200	>2,000	N	150	N	700	N	>2,000	500
8RC016N	N	200	>2,000	N	200	<100	700	N	>2,000	N
8RC017N	N	200	200	N	100	N	700	N	>2,000	N
8RC018N	N	200	>2,000	N	100	100	700	N	>2,000	200
8RC019N	N	150	2,000	N	150	N	500	N	>2,000	<200
8RC020N	N	150	20	N	150	N	500	N	>2,000	N
8RC021N	N	150	70	N	150	N	500	N	>2,000	N
8RC022N	N	150	150	N	200	N	300	N	>2,000	N
8RC023N	N	200	100	N	100	N	300	N	>2,000	N
8RC024N	N	200	1,500	<200	100	N	1,000	N	>2,000	1,000
8RC025N	N	>200	>2,000	<200	100	N	1,000	N	>2,000	1,500
8RC026N	N	200	>2,000	<200	200	N	700	N	>2,000	<200
8RC027N	N	200	200	<200	200	N	700	N	>2,000	<200
8RC028N	N	100	700	<200	200	N	700	N	>2,000	300
8RC029N	N	150	500	<200	150	N	700	N	>2,000	N
8RC030N	N	200	2,000	<200	150	N	500	N	>2,000	N
8RC031N	N	200	150	<200	150	N	700	N	>2,000	<200
8RC032N	N	100	100	200	150	N	500	N	>2,000	<200
8SA001N	N	200	N	N	50	N	500	N	>2,000	200
8SA002N	N	100	N	1,000	150	N	300	N	>2,000	200
8SA003N	N	100	N	1,000	200	N	300	N	>2,000	<200
8SA004N	N	100	50	<200	200	N	300	N	>2,000	<200
8SA005N	N	100	N	N	100	N	300	N	>2,000	<200
8SA005N	N	150	N	200	150	N	500	N	>2,000	N
8SA006N	N	200	50	200	150	N	500	N	>2,000	300
8SA007N	<200	100	300	N	150	N	300	500	>2,000	<200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-2--Continued							
8SA008N	35 42 5	80 25 54	1.00	<.05	.70	>2.00	1,000	15	N	N	<20	300
8SA009N	35 43 52	80 23 28	5.00	<.05	2.00	>2.00	3,000	N	N	N	<20	70
8SA010N	35 43 51	80 24 24	.70	<.05	1.50	>2.00	200	N	N	N	<20	150
8SA011N	35 44 26	80 26 7	.50	<.05	1.00	1.50	100	N	N	N	<20	200
8SA012N	35 42 7	80 23 58	.10	<.05	1.00	>2.00	200	N	N	N	<20	100
8SA013N	35 39 24	80 23 48	.30	<.05	.30	>2.00	200	N	N	N	<20	100
8SA014N	35 38 53	80 25 59	.30	<.05	.30	>2.00	200	N	N	N	20	150
8SA015N	35 37 35	80 27 30	2.00	<.05	.20	>2.00	3,000	N	N	N	<20	100
8SA016N	35 37 51	80 29 36	.15	<.05	.20	>2.00	3,000	N	N	N	<20	100
8SM001N	35 43 59	80 16 41	.30	.07	.50	.30	100	N	N	N	20	100
8SM002N	35 41 38	80 18 30	.30	.05	.30	2.00	100	N	N	N	30	50
8SM004N	35 37 52	80 20 54	.20	.05	.15	.70	100	N	N	N	30	<50
8SM005N	35 42 1	80 20 47	.30	.05	.70	2.00	150	N	N	N	20	150
					C-3							
8CC006N	35 31 0	80 30 6	7.00	2.00	7.00	2.00	1,000	N	N	N	20	50
8CC028N	35 38 40	80 35 38	.50	.05	.20	>2.00	100	N	N	N	<20	50
8CG001N	35 31 33	80 34 12	.70	.05	1.00	>2.00	200	N	N	N	30	200
8CG002N	35 30 57	80 33 29	.70	.05	1.50	>2.00	300	30	N	>1,000	20	200
8CG003N	35 30 18	80 33 36	1.00	.07	3.00	>2.00	1,000	N	N	300	20	150
8CG004N	35 30 56	80 34 36	.50	<.05	1.00	>2.00	200	N	N	N	20	300
8CG005N	35 36 49	80 37 12	.20	.05	1.00	>2.00	150	N	N	N	20	300
8CG007N	35 31 8	80 35 11	.30	<.05	1.50	>2.00	200	N	N	N	<20	200
8CG008N	35 31 15	80 35 5	.30	.05	.70	>2.00	100	N	N	N	<20	200
8CG009N	35 31 54	80 34 51	.30	.05	.50	>2.00	100	N	N	N	<20	150
8CG010N	35 32 30	80 34 13	.20	<.05	1.50	>2.00	150	N	N	N	20	150
8CG011N	35 32 33	80 34 23	.50	.05	.30	>2.00	100	N	N	N	20	150
8CG012N	35 32 31	80 34 30	.20	<.05	.50	>2.00	70	N	N	N	20	150
8CG013N	35 32 40	80 35 25	.30	<.05	.70	>2.00	50	N	N	N	<20	100
8CG014N	35 34 23	80 35 23	.10	<.05	.10	.70	70	N	N	N	20	200
8CG015N	35 35 7	80 36 11	.10	<.05	.15	.05	200	N	N	N	20	100
8CG016N	35 35 26	80 36 35	.30	<.05	1.50	>2.00	150	N	N	N	20	150
8CG017N	35 37 24	80 35 57	.50	<.05	.30	>2.00	70	N	N	N	<20	70
8CG018N	35 36 22	80 34 31	.15	<.05	1.00	>2.00	100	N	N	N	20	50
8CG019N	35 35 34	80 35 12	.15	<.05	1.00	>2.00	100	N	N	N	20	200
8CG020N	35 35 19	80 35 1	.20	<.05	1.00	>2.00	100	N	N	N	<20	100
8CG021N	35 33 40	80 34 1	.20	.05	.70	>2.00	150	N	N	N	20	150
8CG022N	35 33 14	80 34 8	.30	.05	.50	>2.00	300	10	N	>1,000	20	150
8CG023N	35 30 29	80 30 59	.30	.05	.70	>2.00	200	100	N	>1,000	<20	150
8CG024N	35 30 51	80 30 48	.20	<.05	.50	>2.00	200	N	N	N	70	100
8CG025N	35 32 2	80 30 36	.50	<.05	.20	>2.00	500	N	N	50	20	200
8CG026N	35 32 10	80 30 54	.70	.07	.30	>2.00	200	N	N	20	30	70
8CG027N	35 31 43	80 31 42	.50	<.05	.20	>2.00	150	N	N	N	<20	70
8CG028N	35 32 36	80 32 5	.30	<.05	.70	>2.00	150	N	N	100	20	70
8CG029N	35 32 35	80 32 2	.30	<.05	.30	>2.00	150	N	N	N	20	100

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-2--Continued						
8SA008N	150	N	N	N	30	50	70	N	<50	<10	300
8SA009N	5	N	N	10	30	<10	200	N	<50	<10	50
8SA010N	2	N	N	N	30	N	200	N	<50	<10	50
8SA011N	<2	N	N	N	20	N	100	N	<50	<10	50
8SA012N	3	N	N	N	100	<10	50	N	<50	<10	100
8SA013N	30	N	N	N	100	N	<50	N	200	<10	100
8SA014N	30	N	N	N	100	<10	50	N	50	<10	50
8SA015N	3	N	N	20	150	20	<50	N	<50	<10	50
8SA016N	N	N	N	N	150	500	1,000	N	<50	<10	100
8SM001N	<2	N	N	<10	<20	N	50	N	<50	<10	N
8SM002N	<2	N	N	<10	100	N	50	N	50	<10	N
8SM004N	<2	N	N	<10	<20	N	50	N	<50	<10	<20
8SM005N	<2	N	N	<10	50	N	500	N	50	<10	100
					C-3--Continued						
8CC006N	N	N	N	30	300	10	100	N	70	70	50
8CC028N	2	N	N	15	50	30	300	N	100	<10	500
8CG001N	N	N	N	50	150	200	70	N	50	N	700
8CG002N	N	N	N	15	70	20	N	N	N	N	30
8CG003N	N	N	N	30	70	200	100	N	N	N	300
8CG004N	100	N	N	15	20	20	500	20	<50	N	100
8CG005N	N	N	N	N	20	10	70	N	N	30	20
8CG007N	3	N	N	20	N	<10	>2,000	N	N	10	70
8CG008N	2	N	N	20	20	<10	200	N	N	10	50
8CG009N	N	N	N	10	<20	<10	150	N	N	N	500
8CG010N	N	N	N	10	N	500	500	N	N	N	70
8CG011N	N	N	N	30	20	10	50	N	N	20	200
8CG012N	N	N	N	N	50	30	100	N	N	15	200
8CG013N	N	N	N	N	N	<10	500	N	N	N	100
8CG014N	N	N	N	N	N	<10	<50	N	N	10	<20
8CG015N	N	N	N	N	N	20	50	N	N	N	20
8CG016N	2	N	N	N	N	<10	200	N	N	N	50
8CG017N	N	N	N	20	N	30	<50	N	N	N	20
8CG018N	N	N	N	N	100	<10	<50	N	N	N	20
8CG019N	N	N	N	N	20	<10	300	N	N	10	20
8CG020N	N	N	N	15	30	10	70	N	N	N	150
8CG021N	N	N	N	30	20	1,000	50	N	N	N	70
8CG022N	N	N	N	50	50	<10	<50	N	N	N	100
8CG023N	N	N	N	20	150	10	700	N	70	N	500
8CG024N	20	N	N	20	50	70	50	N	70	N	50
8CG025N	70	N	N	20	50	10	100	N	700	N	500
8CG026N	2	N	N	20	150	20	100	N	100	N	1,500
8CG027N	N	N	N	N	20	70	50	N	N	N	100
8CG028N	N	N	N	N	20	<10	50	N	N	N	200
8CG029N	N	N	N	N	20	100	70	N	N	N	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-2--Continued					
8SA008N	<200	150	300	N	100	N	500	N	>2,000	<200
8SA009N	N	150	20	N	200	N	1,000	N	>2,000	<200
8SA010N	N	200	N	N	100	N	500	N	>2,000	200
8SA011N	N	200	N	<200	70	N	300	N	>2,000	300
8SA012N	N	150	100	N	150	N	700	N	>2,000	N
8SA013N	N	150	<20	N	150	N	700	N	>2,000	<200
8SA014N	N	200	20	N	150	N	1,000	N	>2,000	200
8SA015N	N	100	150	N	200	<100	500	N	>2,000	N
8SA016N	N	150	150	N	150	N	700	N	>2,000	N
8SM001N	N	<10	N	200	50	N	20	N	>2,000	N
8SM002N	N	10	N	N	100	N	200	N	>2,000	N
8SM004N	N	10	N	N	50	N	100	N	>2,000	N
8SM005N	N	10	150	N	70	N	200	N	>2,000	N
					C-3--Continued					
8CC006N	N	70	N	1,500	300	N	200	N	>2,000	200
8CC028N	N	50	N	<200	200	N	200	N	>2,000	N
8CG001N	N	150	150	N	300	N	1,000	N	>2,000	N
8CG002N	N	200	200	N	200	N	1,000	N	>2,000	N
8CG003N	N	150	50	<200	200	N	1,000	N	>2,000	N
8CG004N	N	>200	20	<200	200	N	1,000	N	>2,000	1,000
8CG005N	N	200	N	<200	200	N	1,000	N	>2,000	N
8CG007N	N	>200	50	<200	200	N	1,000	N	>2,000	2,000
8CG008N	N	>200	300	N	150	N	1,000	N	>2,000	1,500
8CG009N	N	>200	50	<200	100	N	1,000	N	>2,000	1,000
8CG010N	N	200	100	N	300	N	1,000	N	>2,000	700
8CG011N	N	200	150	N	150	N	1,000	N	>2,000	200
8CG012N	N	200	150	N	150	N	1,000	N	>2,000	200
8CG013N	N	>200	70	N	150	N	1,000	N	>2,000	500
8CG014N	N	200	N	<200	50	N	1,000	N	>2,000	<200
8CG015N	N	150	N	N	50	N	1,000	N	>2,000	N
8CG016N	N	200	N	<200	150	N	1,000	N	>2,000	700
8CG017N	N	200	N	N	70	N	1,000	N	>2,000	N
8CG018N	N	150	N	N	150	N	700	N	>2,000	N
8CG019N	N	>200	N	N	150	N	1,000	N	>2,000	500
8CG020N	N	>200	1,000	N	200	N	1,500	N	>2,000	300
8CG021N	N	200	300	N	150	N	1,000	N	>2,000	<200
8CG022N	N	>200	150	N	200	N	1,000	N	>2,000	N
8CG023N	N	150	2,000	N	300	N	1,000	N	>2,000	N
8CG024N	N	200	>2,000	N	200	N	1,500	N	>2,000	500
8CG025N	N	>200	>2,000	<200	300	N	2,000	N	>2,000	>5,000
8CG026N	N	100	>2,000	<200	200	N	1,000	N	>2,000	1,500
8CG027N	N	150	1,500	<200	150	N	3,000	N	>2,000	<200
8CG028N	N	70	200	<200	200	N	1,500	N	>2,000	N
8CG029N	N	150	200	<200	150	N	3,000	N	>2,000	200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-3--Continued							
8CG030N	35 34 37	80 30 5	.50	<.05	.20	>2.00	100	N	N	20	20	70
8CG031N	35 35 37	80 31 54	.70	.05	.50	>2.00	200	10	N	20	20	70
8CG032N	35 35 13	80 32 42	.50	<.05	.30	>2.00	300	N	N	N	20	70
8CG033N	35 35 58	80 32 5	1.00	<.05	.50	>2.00	500	N	N	N	50	100
8CG034N	35 36 53	80 33 11	.50	<.05	.50	>2.00	200	N	N	N	<20	50
8CG035N	35 37 21	80 30 56	.50	.05	1.00	>2.00	300	N	N	N	20	70
8CG036N	35 33 56	80 30 3	.50	<.05	.70	>2.00	300	N	N	N	20	100
8EN001N	35 30 7	80 41 54	.30	<.05	1.00	1.50	100	N	N	N	20	70
8EN012N	35 33 58	80 41 56	.20	<.05	1.00	1.50	100	N	N	N	20	70
8EN013N	35 36 21	80 43 25	.20	<.05	1.00	2.00	100	N	N	N	20	100
8EN014N	35 36 12	80 43 22	.30	<.05	1.50	2.00	150	N	N	N	20	100
8EN015N	35 37 21	80 42 40	.20	<.05	1.00	1.50	150	N	N	N	<20	100
8EN016N	35 37 19	80 42 27	.20	<.05	1.00	1.00	150	N	N	N	20	70
8EN017N	35 35 37	80 40 52	.20	<.05	.70	1.00	70	N	N	N	20	100
8EN018N	35 32 23	80 38 7	.15	<.05	.20	1.00	50	N	N	N	20	100
8EN019N	35 33 11	80 39 29	.70	<.05	3.00	1.50	500	N	N	N	<20	<50
8EN020N	35 33 7	80 39 30	.20	<.05	.70	1.50	100	N	N	N	20	100
8EN021N	35 33 12	80 39 23	.30	<.05	1.00	2.00	200	N	N	N	20	100
8EN022N	35 33 45	80 40 4	.70	<.05	3.00	>2.00	500	N	N	N	20	70
8EN023N	35 35 30	80 42 53	.10	<.05	.50	1.00	70	N	N	N	20	100
8EN024N	35 36 7	80 42 55	.10	<.05	.20	.70	70	N	N	N	20	100
8EN025N	35 36 38	80 40 18	.20	<.05	1.00	2.00	100	N	N	N	<20	100
8EN026N	35 37 18	80 39 48	.10	<.05	.70	1.00	70	N	N	N	20	100
8EN027N	35 35 35	80 39 58	.15	<.05	.70	1.50	100	N	N	N	<20	100
8EN028N	35 35 12	80 39 50	.20	<.05	.70	1.50	100	N	N	N	<20	150
8EN029N	35 36 42	80 38 54	.10	<.05	.10	1.00	50	N	N	N	<20	70
8EN030N	35 35 4	80 37 34	.10	<.05	.20	1.00	50	N	N	N	20	100
8EN031N	35 32 59	80 38 23	.20	<.05	.20	1.00	50	N	N	N	30	100
8RM001N	35 38 22	80 30 12	.15	<.05	.15	2.00	70	N	N	<20	<20	70
8RM002N	35 39 24	80 30 59	.10	<.05	.10	1.50	50	N	N	N	<20	100
8RM003N	35 40 10	80 31 49	.15	<.05	.30	1.50	150	N	N	N	<20	150
8RM004N	35 40 16	80 31 46	.10	<.05	.15	.10	30	N	N	N	<20	150
8RM005N	35 38 21	80 33 55	.15	<.05	.15	2.00	70	N	N	N	<20	70
8RM006N	35 37 46	80 33 40	.10	<.05	<.10	.20	20	N	N	N	<20	150
8RM007N	35 37 54	80 35 22	.10	<.05	<.10	.20	20	N	N	N	20	100
8RM008N	35 37 58	80 35 23	.10	<.05	<.10	.30	70	N	N	N	<20	50
8RM009N	35 37 33	80 36 20	.15	<.05	<.10	.15	30	N	N	N	<20	150
8RM010N	35 40 6	80 33 39	.10	<.05	.15	1.00	20	N	N	N	<20	70
8RM011N	35 42 51	80 34 41	.10	<.05	.10	1.00	20	N	N	N	<20	100
8RM012N	35 42 50	80 34 27	.20	<.05	.70	1.00	70	N	N	N	<20	100
8RM013N	35 41 29	80 32 5	.15	<.05	.50	.15	50	N	N	N	<20	100
8RM014N	35 40 49	80 31 2	.10	<.05	.20	.20	30	2	N	50	<20	100
8RM015N	35 40 15	80 33 32	.10	<.05	.50	.30	50	N	N	N	<20	100
8RM016N	35 40 58	80 36 29	.10	<.05	.10	.30	50	N	N	N	20	100
8RM017N	35 41 54	80 35 45	.10	<.05	.15	2.00	30	N	N	N	<20	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-3--Continued						
8CG030N	N	N	N	20	30	100	<50	N	N	N	300
8CG031N	N	N	N	15	50	300	<50	N	N	N	30
8CG032N	N	N	N	15	70	15	100	N	N	N	50
8CG033N	30	N	N	20	70	200	50	N	N	N	300
8CG034N	N	N	N	30	200	30	50	N	N	N	30
8CG035N	N	N	N	10	70	<10	200	N	N	N	50
8CG036N	100	N	N	N	30	30	100	N	300	N	100
8EN001N	N	N	N	10	20	15	200	N	70	N	300
8EN012N	N	N	N	10	20	N	200	N	<50	N	70
8EN013N	N	N	N	10	30	N	200	N	50	N	30
8EN014N	N	N	N	10	20	N	300	N	50	N	20
8EN015N	N	N	N	10	20	<10	200	N	50	N	20
8EN016N	N	N	N	<10	20	10	70	N	N	N	50
8EN017N	N	N	N	15	20	N	150	N	N	N	70
8EN018N	<2	N	N	15	30	N	150	N	50	N	50
8EN019N	N	N	N	15	N	<10	1,000	15	150	N	30
8EN020N	5	N	N	20	<20	N	200	N	N	N	30
8EN021N	N	N	N	15	N	1,000	300	N	100	N	30
8EN022N	N	N	N	15	N	15	1,000	15	150	N	2,000
8EN023N	N	N	N	10	20	15	50	N	N	N	20
8EN024N	N	N	N	N	20	10	<50	N	N	N	20
8EN025N	N	N	N	10	20	10	200	N	50	N	20
8EN026N	N	N	N	10	20	10	70	N	N	N	<20
8EN027N	N	N	N	10	20	N	200	N	<50	N	20
8EN028N	<2	N	N	10	20	N	200	N	<50	N	30
8EN029N	N	N	N	<10	20	10	<50	N	N	N	20
8EN030N	N	N	N	15	30	N	100	N	N	N	20
8EN031N	2	N	N	15	20	N	300	N	N	N	50
8RM001N	N	N	N	10	30	10	50	N	N	N	30
8RM002N	N	N	N	10	30	<10	N	N	N	N	<20
8RM003N	N	N	N	10	30	N	N	N	N	N	<20
8RM004N	N	N	N	10	20	N	N	N	N	N	<20
8RM005N	N	N	N	10	30	N	100	N	N	N	<20
8RM006N	N	N	N	<10	20	N	N	N	N	N	<20
8RM007N	N	N	N	N	20	<10	N	N	N	N	<20
8RM008N	N	N	N	N	<20	N	50	N	N	N	<20
8RM009N	N	N	N	<10	20	30	N	N	N	N	<20
8RM010N	N	N	N	10	20	10	<50	N	N	N	N
8RM011N	N	N	N	15	30	N	N	N	N	N	<20
8RM012N	2	N	70	10	30	<10	100	N	N	N	70
8RM013N	N	N	N	10	30	10	N	N	N	N	<20
8RM014N	N	N	N	<10	30	<10	N	N	N	N	100
8RM015N	N	N	N	10	30	N	70	N	N	N	<20
8RM016N	N	N	N	<10	30	N	N	N	N	N	<20
8RM017N	N	N	N	10	30	30	N	N	N	N	20

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-3--Continued					
8CG030N	N	150	>2,000	<200	200	N	3,000	N	>2,000	200
8CG031N	N	150	300	N	200	N	3,000	N	>2,000	300
8CG032N	N	150	N	N	300	N	2,000	N	>2,000	N
8CG033N	N	200	300	<200	300	N	3,000	N	>2,000	200
8CG034N	N	70	N	N	300	N	500	N	>2,000	N
8CG035N	N	100	N	<200	300	N	1,500	N	>2,000	N
8CG036N	N	>200	>2,000	<200	200	N	2,000	3,000	>2,000	3,000
8EN001N	N	150	30	N	100	N	500	N	>2,000	700
8EN012N	N	150	N	N	100	N	200	N	>2,000	700
8EN013N	N	100	30	<200	150	N	300	N	>2,000	500
8EN014N	N	50	N	<200	150	N	300	N	>2,000	200
8EN015N	N	70	N	N	100	N	300	N	>2,000	<200
8EN016N	N	70	N	<200	70	N	300	N	>2,000	N
8EN017N	N	200	N	<200	100	N	500	N	>2,000	500
8EN018N	N	200	N	N	70	N	500	N	>2,000	700
8EN019N	N	30	30	300	300	N	300	N	>2,000	500
8EN020N	N	>200	N	200	100	N	700	N	>2,000	5,000
8EN021N	N	150	N	200	150	N	300	N	>2,000	1,000
8EN022N	N	20	30	300	300	N	200	N	>2,000	500
8EN023N	N	100	N	N	70	N	300	N	>2,000	200
8EN024N	N	100	20	N	50	N	500	N	>2,000	<200
8EN025N	N	150	N	<200	150	N	300	N	>2,000	500
8EN026N	N	150	N	N	70	N	300	N	>2,000	300
8EN027N	N	150	N	<200	100	N	300	N	>2,000	500
8EN028N	N	200	N	200	100	N	300	N	>2,000	500
8EN029N	N	70	N	N	30	N	300	N	>2,000	500
8EN030N	N	200	N	N	50	N	500	N	>2,000	500
8EN031N	N	200	N	<200	50	N	500	N	>2,000	700
8RM001N	N	100	50	N	100	N	300	N	>2,000	N
8RM002N	N	70	N	N	50	N	300	N	>2,000	N
8RM003N	N	100	N	N	50	N	300	N	>2,000	200
8RM004N	N	150	<20	N	30	N	300	N	>2,000	200
8RM005N	N	100	N	N	70	N	200	N	>2,000	N
8RM006N	N	100	20	N	30	N	300	N	>2,000	N
8RM007N	N	100	N	N	30	N	300	N	>2,000	N
8RM008N	N	70	N	N	30	N	300	N	>2,000	N
8RM009N	N	100	20	N	30	N	300	N	>2,000	N
8RM010N	N	100	N	N	70	N	200	N	>2,000	N
8RM011N	N	100	N	N	50	N	300	N	>2,000	500
8RM012N	N	150	70	200	70	N	300	2,000	>2,000	1,000
8RM013N	N	150	N	<200	50	N	300	N	>2,000	700
8RM014N	N	150	20	N	30	N	300	N	>2,000	200
8RM015N	N	150	N	<200	70	N	300	N	>2,000	500
8RM016N	N	70	N	N	50	N	300	N	>2,000	<200
8RM017N	N	70	<20	N	100	N	200	N	>2,000	500

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-3--Continued							
8RM018N	35 42 3	80 30 26	.20	<.05	.70	2.00	100	N	N	N	<20	150
8RM019N	35 42 8	80 30 19	.20	<.05	1.00	1.50	100	N	N	N	<20	100
8RM020N	35 44 40	80 30 27	.20	<.05	1.00	2.00	100	N	N	N	<20	100
8RM021N	35 44 5	80 31 2	.30	<.05	1.00	2.00	150	N	N	N	<20	100
8RM022N	35 44 16	80 32 44	.15	<.05	1.00	2.00	100	N	N	N	20	100
8RM023N	35 43 49	80 33 52	.30	<.05	1.00	2.00	200	N	N	N	<20	70
8RM024N	35 44 9	80 33 27	.20	<.05	.70	2.00	100	N	N	N	20	100
8RM025N	35 43 35	80 34 25	.10	<.05	.50	2.00	50	N	N	N	<20	50
8RM026N	35 43 33	80 35 44	.10	<.05	.10	>2.00	100	N	N	N	<20	50
8RM027N	35 44 24	80 34 17	.10	<.05	.30	>2.00	100	N	N	N	<20	50
8RM028N	35 44 45	80 36 18	.10	<.05	.20	2.00	30	N	N	N	<20	70
8RM029N	35 43 13	80 36 44	.10	<.05	.20	>2.00	50	N	N	N	<20	N
9CD001N	35 42 48	80 37 54	1.00	.20	1.50	>2.00	500	N	N	N	20	500
9CD002N	35 42 46	80 38 23	1.00	.05	2.00	>2.00	500	N	N	N	20	N
9CD003N	35 39 59	80 37 31	.20	<.05	.10	2.00	200	N	N	N	30	70
9CD004N	35 40 0	80 37 34	.30	<.05	1.00	2.00	300	N	N	N	50	100
9CD005N	35 38 50	80 37 41	.15	<.05	.20	.70	150	N	N	N	20	70
9CD006N	35 38 54	80 38 49	.30	<.05	1.00	>2.00	200	N	N	N	20	150
9CD007N	35 39 2	80 40 57	.50	<.05	3.00	>2.00	500	N	N	N	30	70
9CD008N	35 39 58	80 41 12	1.00	<.05	7.00	>2.00	700	N	N	N	20	70
9CD009N	35 42 10	80 40 5	.15	<.05	.30	>2.00	300	N	N	N	20	<50
9CD010N	35 42 11	80 39 45	.15	<.05	.15	>2.00	100	N	N	N	20	50
9CD011N	35 42 41	80 40 49	.10	<.05	.10	2.00	100	N	N	N	20	70
9CD012N	35 42 25	80 41 2	.15	<.05	1.00	>2.00	150	N	N	N	20	70
9CD013N	35 41 33	80 42 13	.10	<.05	.20	>2.00	100	N	N	N	30	70
9CD014N	35 40 49	80 42 52	1.00	.07	10.00	>2.00	1,000	N	N	N	20	100
9CD015N	35 41 32	80 44 21	.50	.05	3.00	>2.00	500	N	N	N	20	70
9CD016N	35 38 57	80 41 0	.20	<.05	1.00	>2.00	200	N	N	N	20	100
9CD017N	35 38 49	80 43 32	1.00	.05	10.00	>2.00	1,000	N	N	N	20	150
9CD018N	35 37 34	80 42 51	.70	.05	10.00	>2.00	700	N	N	N	20	70
9CD019N	35 44 18	80 39 29	1.00	<.05	.70	>2.00	150	N	N	N	20	50
9CD020N	35 44 17	80 42 28	.20	<.05	.50	>2.00	100	N	N	N	20	<50
9CD021N	35 42 58	80 42 25	.30	<.05	2.00	>2.00	500	N	N	N	20	50
9CD022N	35 42 57	80 42 25	.20	<.05	1.00	>2.00	150	N	N	N	20	50
9CD023N	35 43 9	80 44 40	.50	<.05	2.00	>2.00	300	N	N	N	20	70
9CD024N	35 38 25	80 44 39	.50	<.05	3.00	>2.00	500	N	N	N	20	70
					C-4							
8CU025N	35 30 18	80 49 53	.10	<.05	.30	.03	30	100	N	>1,000	20	150
8LN001N	35 35 32	80 54 1	.10	<.05	.10	1.00	70	N	N	N	30	50
8LN002N	35 34 13	80 54 53	<.10	<.05	.15	.15	30	N	N	N	<20	50
8LN003N	35 33 29	80 54 11	<.10	<.05	.20	1.00	50	N	N	N	<20	50
8LN004N	35 36 30	80 54 0	.10	<.05	.30	1.00	70	N	N	N	<20	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-3--Continued						
8RM018N	N	N	N	10	30	N	150	N	N	N	<20
8RM019N	N	N	N	10	20	N	150	N	N	N	20
8RM020N	N	N	N	<10	30	N	200	N	70	N	<20
8RM021N	N	N	N	10	30	N	300	N	70	N	<20
8RM022N	N	N	N	<10	<20	N	150	N	50	N	<20
8RM023N	3	N	N	<10	20	<10	200	N	70	N	20
8RM024N	N	N	N	10	<20	N	300	N	50	N	<20
8RM025N	N	N	N	10	30	N	150	N	N	N	<20
8RM026N	N	N	N	10	50	10	N	N	N	N	N
8RM027N	N	N	N	10	70	50	<50	N	<50	N	N
8RM028N	N	N	N	<10	30	<10	<50	N	100	N	N
8RM029N	N	N	N	10	100	<10	N	N	N	N	50
9CD001N	N	N	N	20	200	100	200	N	N	N	200
9CD002N	N	N	N	N	200	N	50	N	N	N	20
9CD003N	N	N	N	N	N	N	150	N	N	N	20
9CD004N	N	N	N	N	N	70	70	N	N	N	30
9CD005N	N	N	N	N	N	N	N	N	N	N	20
9CD006N	N	N	N	N	N	<10	200	N	N	N	30
9CD007N	N	N	N	N	50	N	500	N	<50	N	30
9CD008N	N	N	N	N	70	N	1,000	N	50	N	100
9CD009N	N	N	N	N	20	N	N	N	N	N	50
9CD010N	N	N	N	N	70	70	N	N	N	N	20
9CD011N	N	N	N	N	N	N	70	N	N	N	20
9CD012N	N	N	N	N	30	N	200	N	N	N	20
9CD013N	N	N	N	N	N	N	70	N	N	N	<20
9CD014N	N	N	N	20	100	N	1,000	10	50	N	30
9CD015N	N	N	N	N	70	N	700	N	70	N	30
9CD016N	N	N	N	N	N	N	50	N	N	N	30
9CD017N	N	N	N	20	100	N	2,000	15	50	N	50
9CD018N	N	N	N	N	70	N	1,000	15	50	N	30
9CD019N	N	N	N	30	100	20	<50	N	N	N	100
9CD020N	N	N	N	N	30	N	70	N	N	N	<20
9CD021N	N	N	N	N	30	N	500	N	N	N	70
9CD022N	N	N	N	N	200	N	N	N	N	N	20
9CD023N	N	N	N	N	50	20	500	N	50	N	30
9CD024N	N	N	N	N	50	N	1,000	N	<50	N	30
					C-4--Continued						
8CU025N	N	N	N	10	30	10	N	N	N	<10	20
8LN001N	N	N	N	N	20	30	1,000	N	N	N	N
8LN002N	N	N	N	N	30	10	100	N	N	N	N
8LN003N	N	N	N	N	30	N	70	N	N	N	N
8LN004N	N	N	N	N	20	10	100	N	N	N	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-3--Continued					
8RM018N	N	150	N	200	100	N	300	N	>2,000	500
8RM019N	N	150	30	200	100	N	500	N	>2,000	700
8RM020N	N	70	30	200	150	N	500	N	>2,000	500
8RM021N	N	70	20	200	150	N	500	N	>2,000	500
8RM022N	N	100	N	<200	100	N	300	N	>2,000	300
8RM023N	N	100	N	200	100	N	300	N	>2,000	700
8RM024N	N	70	N	<200	150	N	500	N	>2,000	500
8RM025N	N	100	N	<200	50	N	500	N	>2,000	500
8RM026N	N	70	N	N	100	N	300	N	>2,000	N
8RM027N	N	50	N	N	150	N	300	N	>2,000	N
8RM028N	N	70	N	N	70	N	300	N	>2,000	N
8RM029N	N	30	N	N	150	N	150	N	>2,000	N
9CD001N	N	50	50	<200	200	N	300	N	>2,000	N
9CD002N	N	50	N	<200	200	N	500	N	>2,000	N
9CD003N	N	150	N	N	70	N	700	N	>2,000	N
9CD004N	N	200	N	<200	100	N	700	N	>2,000	N
9CD005N	N	150	N	N	50	N	700	N	>2,000	N
9CD006N	N	200	N	<200	150	N	1,000	N	>2,000	200
9CD007N	N	70	N	<200	200	N	700	N	>2,000	N
9CD008N	N	50	50	200	300	N	700	N	>2,000	N
9CD009N	N	100	<20	N	100	N	700	N	>2,000	N
9CD010N	N	100	N	N	150	N	700	N	>2,000	N
9CD011N	N	150	N	N	50	N	1,000	N	>2,000	200
9CD012N	N	100	N	N	200	N	700	N	>2,000	200
9CD013N	N	200	N	N	50	N	1,000	N	>2,000	N
9CD014N	N	50	30	300	500	N	700	N	>2,000	N
9CD015N	N	100	50	N	300	N	700	N	>2,000	N
9CD016N	N	200	70	N	100	N	1,000	N	>2,000	300
9CD017N	N	70	100	200	500	N	700	N	>2,000	200
9CD018N	N	100	30	200	500	N	1,000	N	>2,000	N
9CD019N	N	70	70	N	200	N	500	N	>2,000	N
9CD020N	N	100	N	N	100	N	1,500	N	>2,000	200
9CD021N	N	100	150	N	200	N	700	N	>2,000	200
9CD022N	N	70	N	N	200	N	500	N	>2,000	N
9CD023N	N	100	200	N	200	N	500	N	>2,000	N
9CD024N	N	100	N	N	300	N	700	N	>2,000	200
					C-4--Continued					
8CU025N	N	70	150	N	30	N	500	1,000	>2,000	1,000
8LN001N	N	50	N	N	70	N	700	N	>2,000	700
8LN002N	N	100	N	N	50	N	700	N	>2,000	<200
8LN003N	N	50	N	N	70	N	300	N	>2,000	<200
8LN004N	N	15	N	N	70	N	200	N	>2,000	500

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-4--Continued							
8TM001N	35 39 47	80 53 10	.30	<.05	.70	>2.00	300	N	N	N	<20	50
8TM003N	35 40 55	80 53 8	.30	<.05	1.00	>2.00	300	N	N	N	20	50
8TM004N	35 40 44	80 54 59	.30	.15	.70	>2.00	200	N	N	N	150	70
8TM005N	35 40 49	80 54 59	.20	<.05	.15	>2.00	150	N	N	N	<20	<50
8TM006N	35 41 23	80 56 31	.20	<.05	.70	>2.00	150	N	N	N	<20	50
8TM007N	35 41 18	80 56 40	.20	<.05	.70	>2.00	200	N	N	N	20	150
8TM008N	35 42 18	80 55 36	.50	<.05	1.00	>2.00	700	N	N	N	<20	50
8TM009N	35 44 14	80 53 53	.20	<.05	.50	>2.00	200	N	N	N	<20	50
9SE001N	35 37 30	80 45 50	1.50	.05	7.00	>2.00	500	N	N	N	30	200
9SE002N	35 37 32	80 45 50	1.50	.05	5.00	>2.00	500	N	N	N	20	100
9SE003N	35 39 41	80 45 36	1.00	<.05	5.00	>2.00	300	N	N	N	20	70
9SE004N	35 40 3	80 46 37	1.00	<.05	2.00	>2.00	200	N	N	N	30	100
9SE005N	35 42 35	80 46 38	1.00	<.05	5.00	>2.00	300	N	N	N	20	100
9SE006N	35 44 2	80 46 38	.50	.05	1.50	>2.00	150	N	N	N	30	50
9SE007N	35 44 8	80 46 51	.20	<.05	1.00	>2.00	100	3	N	<20	30	100
9SE008N	35 43 54	80 45 16	.20	.05	.30	>2.00	50	N	N	N	20	50
9SE009N	35 40 17	80 46 44	.30	<.05	.50	>2.00	50	N	N	N	20	50
9SE010N	35 40 28	80 47 30	.20	<.05	3.00	>2.00	200	N	N	N	20	70
9SE011N	35 39 7	80 47 55	.30	.05	3.00	>2.00	300	N	N	N	50	200
9SE012N	35 44 12	80 48 20	.15	<.05	.20	>2.00	70	N	N	N	20	70
9SE013N	35 43 57	80 48 18	.20	<.05	1.00	>2.00	200	N	N	N	20	100
9SE014N	35 39 42	80 48 38	.20	<.05	.70	>2.00	200	N	N	N	20	70
9SE015N	35 40 0	80 48 50	.20	<.05	1.00	>2.00	100	N	N	N	20	100
9SE016N	35 39 7	80 49 9	.15	<.05	.50	>2.00	70	N	N	N	20	70
9SE017N	35 39 25	80 49 59	.15	<.05	.30	>2.00	70	N	N	N	20	70
9SE018N	35 38 27	80 51 29	.10	<.05	.30	>2.00	70	2	N	N	20	100
9SE019N	35 38 23	80 52 1	.20	.05	.70	>2.00	200	N	N	N	20	70
9SE020N	35 41 53	80 52 0	.20	<.05	.20	>2.00	100	N	N	N	20	50
9SE021N	35 42 19	80 52 0	.20	<.05	1.00	>2.00	100	N	N	N	50	50
9SE022N	35 40 45	80 49 54	.20	<.05	1.50	>2.00	100	N	N	N	20	70
9SE023N	35 44 11	80 51 38	.20	.07	1.00	>2.00	200	N	N	N	20	>10,000
9SE024N	35 42 58	80 51 3	.20	.05	2.00	>2.00	200	N	N	N	20	500
9SE025N	35 44 17	80 49 50	.30	.05	3.00	>2.00	1,000	N	N	N	50	100
					C-5							
9CA001N	35 43 34	81 6 44	.50	<.05	.10	>2.00	200	N	N	N	20	N
9CA002N	35 43 19	81 6 15	.20	<.05	.30	2.00	50	N	N	N	<20	50
9CA003N	35 43 10	81 6 58	.20	<.05	<.10	>2.00	70	N	N	N	<20	N
9CA004N	35 43 9	81 5 28	.20	<.05	15.00	>2.00	150	N	N	N	20	<50
9CA008N	35 39 47	81 6 1	.20	<.05	<.10	>2.00	70	N	N	N	300	N
9DR002N	35 33 2	81 4 47	1.00	<.05	<.10	>2.00	100	N	N	N	100	N
9DR003N	35 32 9	81 3 14	.70	<.05	.30	>2.00	100	N	N	N	<20	50
9DR004N	35 30 10	81 0 51	.20	<.05	.30	>2.00	50	N	N	N	<20	100
9DR005N	35 31 5	81 5 56	.50	.05	2.00	>2.00	200	N	N	N	70	100
9DR007N	35 31 36	81 4 55	.30	<.05	.20	>2.00	100	N	N	N	50	<50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-4--Continued						
8TM001N	N	N	N	N	50	<10	200	N	300	N	<20
8TM003N	N	N	N	N	70	10	2,000	10	200	N	20
8TM004N	N	N	N	N	100	10	200	N	500	N	20
8TM005N	N	N	N	20	200	<10	100	N	700	N	20
8TM006N	N	N	N	N	70	<10	200	N	700	N	N
8TM007N	N	N	N	N	20	10	200	N	100	N	N
8TM008N	10	N	N	N	70	<10	300	10	200	<10	20
8TM009N	5	N	N	10	30	<10	200	N	200	N	N
9SE001N	N	N	N	20	100	10	1,000	20	50	N	70
9SE002N	N	N	N	20	70	<10	700	20	50	N	30
9SE003N	N	N	N	N	70	<10	1,000	N	50	N	50
9SE004N	N	N	N	N	100	<10	500	N	150	N	70
9SE005N	N	N	N	N	70	<10	700	N	100	N	50
9SE006N	20	N	N	N	300	<10	N	N	<50	N	20
9SE007N	N	N	N	N	70	20	N	N	50	N	30
9SE008N	N	N	N	N	300	N	N	N	N	N	30
9SE009N	N	N	N	N	100	N	100	N	300	N	30
9SE010N	N	N	N	N	70	<10	500	N	100	N	50
9SE011N	N	N	N	N	70	<10	700	N	100	N	70
9SE012N	N	N	N	N	100	15	200	N	100	N	100
9SE013N	N	N	N	N	70	10	200	N	70	N	50
9SE014N	N	N	N	N	100	<10	500	N	500	N	50
9SE015N	N	N	N	N	70	10	300	N	200	N	30
9SE016N	N	N	N	N	50	<10	500	N	100	N	70
9SE017N	N	N	N	N	50	<10	100	N	150	N	30
9SE018N	N	N	N	N	30	<10	50	N	100	N	20
9SE019N	N	N	N	N	30	300	1,000	N	N	N	50
9SE020N	N	N	N	N	30	30	700	N	70	N	150
9SE021N	N	N	N	N	100	N	100	N	200	N	30
9SE022N	N	N	N	N	30	<10	700	N	70	N	20
9SE023N	N	N	N	N	300	<10	500	N	200	N	300
9SE024N	N	N	N	N	100	<10	500	N	70	N	50
9SE025N	N	N	N	N	100	<10	700	N	100	N	50
					C-5--Continued						
9CA001N	20	N	N	<10	50	100	50	N	70	10	<20
9CA002N	N	N	N	10	30	N	100	N	50	10	20
9CA003N	N	N	N	15	70	N	150	N	300	<10	100
9CA004N	150	N	N	15	100	10	70	N	200	N	20
9CA008N	2,000	N	N	10	70	N	70	N	500	<10	20
9DR002N	7	N	N	20	200	<10	70	N	2,000	N	1,000
9DR003N	5	N	N	20	150	20	100	N	2,000	N	20
9DR004N	N	N	N	10	N	10	500	N	150	N	<20
9DR005N	<2	N	N	15	100	N	200	N	1,000	N	20
9DR007N	N	N	N	20	150	N	100	N	2,000	N	<20

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-4--Continued					
8TM001N	N	70	50	N	300	N	200	700	>2,000	<200
8TM003N	N	50	30	N	300	N	500	N	>2,000	700
8TM004N	N	70	100	N	200	N	500	1,000	>2,000	<200
8TM005N	N	50	100	N	300	N	150	500	>2,000	N
8TM006N	N	50	50	N	200	N	200	500	>2,000	N
8TM007N	N	1,000	N	<200	150	N	300	1,500	>2,000	200
8TM008N	N	50	20	N	200	N	200	N	>2,000	N
8TM009N	N	70	N	N	150	N	500	1,500	>2,000	200
9SE001N	N	20	200	<200	500	N	700	N	>2,000	N
9SE002N	N	20	50	<200	500	N	700	N	>2,000	N
9SE003N	N	150	N	<200	300	N	1,000	N	>2,000	N
9SE004N	N	150	N	200	200	N	500	N	>2,000	N
9SE005N	N	150	N	<200	500	N	700	N	>2,000	<200
9SE006N	N	70	N	<200	300	N	300	N	>2,000	N
9SE007N	N	200	N	<200	200	N	1,000	N	>2,000	300
9SE008N	N	200	N	<200	300	N	1,000	N	>2,000	N
9SE009N	N	150	50	N	300	N	500	N	>2,000	N
9SE010N	N	150	30	<200	200	N	700	N	>2,000	N
9SE011N	N	100	30	300	300	N	500	N	>2,000	N
9SE012N	N	100	700	<200	200	N	1,000	N	>2,000	700
9SE013N	N	200	30	<200	200	N	1,000	N	>2,000	300
9SE014N	N	100	100	<200	300	N	700	N	>2,000	N
9SE015N	N	200	100	<200	300	N	1,000	N	>2,000	N
9SE016N	N	150	70	<200	200	N	1,000	N	>2,000	N
9SE017N	N	200	50	<200	200	N	1,500	N	>2,000	N
9SE018N	N	>200	N	<200	150	N	1,500	N	>2,000	200
9SE019N	N	200	100	200	100	N	2,000	N	>2,000	200
9SE020N	N	150	50	<200	200	N	1,500	N	>2,000	300
9SE021N	N	100	50	N	300	N	700	N	>2,000	N
9SE022N	N	>200	N	N	200	N	1,500	N	>2,000	200
9SE023N	N	150	500	<200	500	100	700	N	>2,000	N
9SE024N	N	200	N	N	500	N	1,500	N	>2,000	N
9SE025N	N	100	500	N	500	N	1,000	N	>2,000	N
					C-5--Continued					
9CA001N	N	30	N	N	150	N	150	500	>2,000	N
9CA002N	N	150	N	N	100	N	500	N	>2,000	N
9CA003N	N	20	50	N	200	N	70	N	>2,000	N
9CA004N	N	70	>2,000	N	200	N	150	1,500	>2,000	N
9CA008N	N	50	200	N	200	N	200	N	>2,000	N
9DR002N	N	100	200	N	500	N	100	N	>2,000	N
9DR003N	N	100	50	N	500	N	100	N	>2,000	N
9DR004N	N	100	20	N	150	N	300	N	>2,000	200
9DR005N	N	50	150	N	200	N	150	N	>2,000	N
9DR007N	N	100	100	N	300	N	150	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-5--Continued							
9DR008N	35 31 42	81 4 52	.50	<.05	.10	>2.00	100	N	N	N	<20	N
9DR009N	35 33 44	81 2 24	.50	<.05	1.00	>2.00	300	N	N	N	<20	50
9DR010N	35 33 45	81 2 25	.50	<.05	<.10	>2.00	70	N	N	N	<20	50
9DR011N	35 34 35	81 2 43	.20	<.05	.10	>2.00	50	N	N	N	100	100
9DR012N	35 34 28	81 2 40	.70	<.05	<.10	>2.00	70	N	N	N	20	N
9ME001N	35 45 0	81 15 0	N	<.05	<.10	>2.00	<20	N	N	N	20	N
9ME001N	35 45 0	81 15 0	.20	<.05	.10	2.00	50	N	N	N	20	<50
9MM001N	35 37 30	81 15 0	.15	<.05	.70	>2.00	150	N	N	N	<20	<50
9MM002N	35 32 38	81 14 30	.20	<.05	.15	>2.00	150	N	N	N	50	70
9MM004N	35 36 28	81 12 26	.15	<.05	.20	>2.00	100	N	N	N	<20	N
9MM005N	35 34 41	81 10 20	.20	<.05	<.10	>2.00	100	N	N	N	50	N
9MM006N	35 34 18	81 13 29	.20	<.05	.30	>2.00	100	N	N	N	20	<50
9MM008N	35 30 50	81 14 3	1.50	.15	.10	>2.00	150	N	N	N	100	1,000
9MM009N	35 32 24	81 12 9	.30	.05	<.10	>2.00	100	N	N	N	100	200
9MM010N	35 32 9	81 9 3	.70	.07	<.10	2.00	200	N	N	N	200	150
9MM011N	35 32 12	81 8 54	.30	.07	.20	>2.00	150	10	N	200	150	N
9MM012N	35 33 27	81 7 56	.50	.20	.10	>2.00	500	N	N	N	150	N
9NT001N	35 44 12	81 8 2	.15	<.05	.30	>2.00	100	N	N	N	<20	70
9NT002N	35 39 49	81 14 20	.10	<.05	.15	>2.00	70	N	N	N	<20	50
9NT003N	35 39 20	81 12 43	.15	<.05	.30	>2.00	100	N	N	N	<20	100
9NT004N	35 39 17	81 12 17	.20	<.05	.50	>2.00	100	N	N	N	<20	100
9NT005N	35 38 41	81 11 26	.20	<.05	.30	>2.00	100	N	N	N	<20	100
9NT006N	35 43 42	81 13 39	.20	<.05	.50	>2.00	150	N	N	N	20	50
9NT007N	35 40 59	81 9 29	.10	<.05	.50	>2.00	100	N	N	N	<20	100
9NT008N	35 41 12	81 12 3	.10	<.05	.10	>2.00	50	N	N	N	<20	100
9NT010N	35 39 48	81 7 49	.20	.15	.15	>2.00	100	N	N	20	200	50
9NT011N	35 39 49	81 7 46	.20	.05	<.10	>2.00	70	N	N	N	20	70
9NT012N	35 41 45	81 7 51	.10	<.05	.20	>2.00	100	N	N	N	<20	100
9NT013N	35 38 28	81 11 7	.10	<.05	.20	>2.00	100	N	N	N	<20	70
					C-6							
9LG002N	35 43 38	81 26 51	.20	<.05	.10	>2.00	30	N	N	N	20	N
9LG003N	35 44 7	81 26 14	.20	<.05	.10	>2.00	50	N	N	N	20	N
9LG004N	35 43 55	81 25 14	.20	<.05	<.10	>2.00	50	N	N	N	20	N
9LG005N	35 43 53	81 25 17	.20	<.05	.15	>2.00	30	N	N	N	20	N
9LG006N	35 44 35	81 23 59	.20	<.05	N	>2.00	20	N	N	N	50	N
9LG007N	35 44 32	81 24 6	.30	<.05	.10	>2.00	30	N	N	N	50	N
9LG008N	35 42 13	81 23 44	.50	.05	.30	2.00	70	N	N	N	100	N
9LG009N	35 41 53	81 27 5	.15	<.05	.10	>2.00	30	N	N	N	20	N
9LG010N	35 41 28	81 26 58	.50	<.05	.10	2.00	50	N	N	N	30	<50
9LG011N	35 41 5	81 26 31	.30	<.05	<.10	>2.00	50	7	N	N	30	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-5--Continued						
9DR008N	5	N	N	20	200	10	50	N	1,500	N	N
9DR009N	N	N	N	10	150	<10	300	N	1,000	N	N
9DR010N	N	N	N	20	150	<10	500	N	2,000	N	N
9DR011N	2	N	N	20	100	<10	150	N	3,000	N	N
9DR012N	N	N	N	20	200	N	50	N	2,000	N	N
9ME001N	20	N	N	N	150	N	700	N	50	<10	20
9ME001N	20	N	N	<10	150	150	2,000	N	70	N	30
9MM001N	10	N	N	N	20	<10	2	N	100	N	N
9MM002N	200	N	N	10	100	<10	50	N	150	<10	30
9MM004N	200	N	N	10	30	10	100	N	500	N	<20
9MM005N	300	N	N	N	100	N	300	N	200	<10	30
9MM006N	30	N	N	10	30	<10	500	N	300	N	30
9MM008N	500	100	N	<10	100	70	50	N	100	<10	30
9MM009N	500	N	N	<10	70	<10	50	N	200	<10	20
9MM010N	1,000	150	N	N	100	10	50	N	1,000	<10	50
9MM011N	1,500	N	N	20	100	100	N	N	500	<10	30
9MM012N	70	N	N	20	150	N	N	N	300	10	100
9NT001N	N	N	N	N	50	10	50	N	200	N	<20
9NT002N	N	N	N	N	100	N	200	N	200	N	20
9NT003N	N	N	N	N	N	N	200	N	100	N	20
9NT004N	N	N	N	N	N	<10	150	N	70	N	30
9NT005N	N	N	N	N	20	<10	1,000	N	100	N	20
9NT006N	50	N	N	10	150	<10	>2,000	N	150	N	100
9NT007N	N	N	N	N	N	10	50	N	100	N	20
9NT008N	N	N	N	15	50	10	1,000	N	200	N	<20
9NT010N	20	300	N	20	100	200	>2,000	N	300	N	200
9NT011N	30	20	N	<10	100	N	300	N	500	N	20
9NT012N	N	N	N	<10	70	<10	150	N	300	N	20
9NT013N	15	N	N	15	70	<10	150	N	300	N	<20
					C-6--Continued						
9LG002N	7	N	N	10	70	10	70	N	200	N	30
9LG003N	7	N	N	10	100	N	70	N	300	N	20
9LG004N	5	N	N	15	100	30	50	N	1,500	<10	<20
9LG005N	7	N	N	15	100	50	<50	N	700	N	30
9LG006N	10	N	N	15	150	50	50	N	700	N	N
9LG007N	10	N	N	15	150	N	N	N	1,000	N	N
9LG008N	5	N	N	10	100	10	>2,000	N	70	N	30
9LG009N	5	N	N	15	100	N	50	N	500	N	100
9LG010N	20	N	N	10	100	N	<50	N	500	<10	30
9LG011N	500	N	N	10	150	70	100	N	500	N	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-5--Continued					
9DR008N	N	70	50	N	300	N	100	N	>2,000	N
9DR009N	N	70	70	N	500	N	150	N	>2,000	N
9DR010N	N	70	70	N	500	N	100	N	>2,000	N
9DR011N	N	150	20	N	200	N	200	N	>2,000	N
9DR012N	N	50	200	N	300	N	150	N	>2,000	N
9ME001N	N	30	70	N	150	N	500	N	>2,000	N
9ME001N	N	30	N	N	200	N	300	N	>2,000	700
9MM001N	N	150	100	N	150	N	500	N	>2,000	N
9MM002N	N	50	1,000	N	200	N	300	N	>2,000	N
9MM004N	N	100	20	N	200	N	200	N	>2,000	N
9MM005N	N	100	1,000	N	200	N	300	N	>2,000	N
9MM006N	N	70	70	N	200	N	300	N	>2,000	N
9MM008N	N	15	1,500	N	150	N	50	N	>2,000	N
9MM009N	N	15	>2,000	N	150	N	50	N	>2,000	N
9MM010N	N	15	>2,000	N	150	N	50	N	>2,000	N
9MM011N	N	30	>2,000	N	200	N	100	700	>2,000	N
9MM012N	N	20	1,000	N	300	N	70	1,000	>2,000	N
9NT001N	N	100	20	N	200	N	200	N	>2,000	N
9NT002N	N	70	20	N	200	N	200	N	>2,000	N
9NT003N	N	70	50	N	100	N	300	N	>2,000	N
9NT004N	N	70	100	N	70	N	500	N	>2,000	N
9NT005N	N	50	100	N	70	N	300	N	>2,000	N
9NT006N	N	30	20	N	200	N	300	N	>2,000	1,000
9NT007N	N	70	N	N	100	N	500	N	>2,000	N
9NT008N	N	100	100	N	150	N	500	N	>2,000	N
9NT010N	N	10	2,000	N	200	N	2,000	N	>2,000	2,000
9NT011N	N	100	500	N	200	N	300	N	>2,000	N
9NT012N	N	50	N	N	200	N	300	N	>2,000	N
9NT013N	N	70	100	N	200	N	200	N	>2,000	N
					C-6--Continued					
9LG002N	N	70	N	N	200	N	200	N	>2,000	N
9LG003N	N	70	50	N	200	N	200	N	>2,000	N
9LG004N	N	20	70	N	200	N	70	N	>2,000	N
9LG005N	N	70	200	N	200	N	200	<500	>2,000	N
9LG006N	N	15	20	N	300	N	50	N	>2,000	N
9LG007N	N	15	100	N	200	100	50	N	>2,000	N
9LG008N	N	20	30	N	100	N	500	N	>2,000	1,000
9LG009N	N	70	100	N	150	N	300	N	>2,000	N
9LG010N	N	30	200	N	150	N	200	N	>2,000	N
9LG011N	N	30	N	N	200	N	150	N	>2,000	<200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-6--Continued							
9LG012N	35 38 22	81 24 52	.50	<.05	N	>2.00	70	N	N	N	100	N
9LG013N	35 38 33	81 23 47	.50	<.05	N	>2.00	100	N	N	N	30	<50
9LG014N	35 40 28	81 24 32	.20	<.05	.10	>2.00	50	N	N	N	20	<50
9LG015N	35 40 27	81 24 29	.20	<.05	.20	>2.00	50	N	N	N	20	<50
9ME001N	35 45 0	81 15 0	N	<.05	<.10	>2.00	<20	N	N	N	20	N
9ME001N	35 45 0	81 15 0	.20	<.05	.10	2.00	50	N	N	N	20	<50
9MM001N	35 37 30	81 15 0	.15	<.05	.70	>2.00	150	N	N	N	<20	<50
9RE001N	35 30 49	81 20 14	.15	<.05	N	>2.00	70	N	N	N	50	N
9RE002N	35 31 56	81 21 52	.15	<.05	N	>2.00	50	N	N	N	70	N
9RE003N	35 33 11	81 20 43	.20	<.05	N	>2.00	50	N	N	N	20	N
9RE004N	35 32 42	81 19 27	.10	<.05	<.10	>2.00	20	N	N	N	20	N
9RE005N	35 31 50	81 19 8	.10	<.05	.10	1.50	30	N	N	N	30	50
9RE006N	35 31 33	81 16 31	.10	<.05	.30	2.00	50	N	N	N	<20	70
9RE007N	35 32 22	81 17 6	.15	<.05	.30	>2.00	70	N	N	N	20	<50
9RE008N	35 33 4	81 15 40	.15	<.05	.30	2.00	70	N	N	N	<20	70
9RE009N	35 34 35	81 16 32	.10	<.05	.15	2.00	70	N	N	N	<20	70
9RE010N	35 36 41	81 16 25	.10	<.05	.20	2.00	50	N	N	N	<20	150
					C-7							
9BB002N	35 37 15	81 42 10	2.00	.20	1.00	>2.00	500	N	N	N	150	150
9BB003N	35 31 57	81 44 50	1.50	<.05	.20	>2.00	100	N	N	N	20	<50
9BB004N	35 33 51	81 43 11	1.00	.10	.10	>2.00	150	N	N	N	200	<50
9BB005N	35 33 50	81 43 16	.50	.05	N	>2.00	70	N	N	N	50	<50
9BB006N	35 32 55	81 44 32	.50	.05	.20	>2.00	100	N	N	N	20	50
9BB007N	35 33 12	81 41 36	.10	<.05	<.10	1.00	20	N	N	N	<20	N
9BB008N	35 32 43	81 42 15	.70	.05	<.10	>2.00	100	N	N	N	200	50
9BB009N	35 32 42	81 42 20	.50	.15	<.10	>2.00	150	N	N	N	500	50
9BB010N	35 32 5	81 40 45	.50	.07	.30	>2.00	150	N	N	N	100	50
9BB011N	35 30 44	81 40 43	.30	.05	.10	>2.00	70	N	N	N	100	<50
9BB012N	35 30 42	81 40 21	.30	.07	.10	>2.00	70	N	N	N	200	<50
9BB013N	35 30 47	81 38 30	.30	.05	.15	>2.00	150	N	N	N	200	<50
9BB014N	35 36 0	81 38 10	.70	.10	.50	>2.00	200	N	N	N	150	50
9BB015N	35 36 4	81 38 12	.70	.07	.15	>2.00	150	N	N	N	100	<50
9CR001N	35 33 7	81 37 5	.50	.10	.15	>2.00	150	N	N	N	150	N
9CR002N	35 33 3	81 37 8	.15	.05	.10	>2.00	70	N	N	N	20	50
9CR003N	35 36 32	81 36 25	.20	<.05	.15	>2.00	50	N	N	N	20	<50
9CR004N	35 36 36	81 36 27	.30	.07	.30	>2.00	100	N	N	N	30	50
9CR005N	35 32 22	81 30 50	.50	.05	<.10	>2.00	50	N	N	N	20	N
9CR006N	35 33 3	81 32 43	.10	<.05	<.10	>2.00	20	N	N	N	<20	70
9CR007N	35 34 15	81 33 10	.15	<.05	<.10	>2.00	30	N	N	N	20	70
9CR008N	35 34 22	81 33 17	.10	<.05	<.10	>2.00	70	N	N	N	20	<50
9CR009N	35 34 41	81 37 2	.50	.10	.15	>2.00	200	N	N	N	500	70
9CR010N	35 34 45	81 37 4	.70	.05	.15	>2.00	150	N	N	N	20	100
9CR011N	35 34 52	81 35 52	.50	.07	.15	>2.00	100	N	N	N	200	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-6--Continued						
9LG012N	50	N	N	<10	150	N	50	N	200	N	N
9LG013N	100	N	N	10	150	N	200	N	300	N	N
9LG014N	7	N	N	10	150	30	100	N	300	N	100
9LG015N	5	N	N	10	150	10	200	N	100	N	100
9ME001N	20	N	N	N	150	N	700	N	50	<10	20
9ME001N	20	N	N	<10	150	150	2,000	N	70	N	30
9MM001N	10	N	N	N	20	<10	2	N	100	N	N
9RE001N	200	N	N	20	200	<10	500	N	150	N	<20
9RE002N	50	N	N	20	200	200	200	N	200	<10	20
9RE003N	70	N	N	15	150	10	150	N	100	N	<20
9RE004N	10	N	N	15	70	10	500	N	150	N	<20
9RE005N	N	N	N	10	30	10	2,000	N	70	N	<20
9RE006N	N	N	N	10	20	10	100	N	50	N	<20
9RE007N	N	N	N	10	50	10	300	N	150	N	<20
9RE008N	N	N	N	<10	20	10	700	N	N	N	<20
9RE009N	N	N	N	<10	30	10	700	N	N	N	<20
9RE010N	N	N	N	<10	20	15	50	N	<50	N	<20
					C-7--Continued						
9BB002N	10	N	N	20	200	15	200	<10	1,000	20	50
9BB003N	50	N	N	70	150	100	70	N	300	15	30
9BB004N	15	N	N	15	300	<10	2,000	N	500	15	50
9BB005N	20	N	N	20	500	N	300	N	200	15	20
9BB006N	30	N	N	10	150	10	700	N	150	10	50
9BB007N	N	N	N	N	50	100	100	N	70	N	20
9BB008N	50	N	N	20	300	10	300	N	300	10	30
9BB009N	150	N	N	15	300	10	700	N	300	15	30
9BB010N	10	N	N	15	150	<10	500	N	200	N	70
9BB011N	7	N	N	20	200	<10	300	N	300	<10	70
9BB012N	15	N	N	20	200	<10	150	N	300	N	70
9BB013N	7	N	N	10	150	<10	100	N	200	<10	70
9BB014N	15	N	N	15	300	<10	1,000	N	500	10	30
9BB015N	10	N	N	20	200	<10	2,000	N	500	10	50
9CR001N	7	N	N	15	150	<10	500	N	200	N	500
9CR002N	5	N	N	20	150	N	70	N	500	N	300
9CR003N	7	N	N	20	100	20	150	N	500	N	70
9CR004N	5	N	N	15	150	10	2,000	N	300	N	100
9CR005N	10	N	N	10	150	10	150	N	200	N	<20
9CR006N	10	N	N	20	50	N	100	N	300	N	70
9CR007N	2	N	N	15	50	N	100	N	200	N	50
9CR008N	5	N	N	20	200	N	50	N	200	N	20
9CR009N	10	N	N	20	150	50	2,000	N	500	15	50
9CR010N	7	N	N	20	150	10	200	N	500	N	20
9CR011N	30	N	N	10	150	<10	300	N	300	N	30

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-6--Continued					
9LG012N	N	10	N	N	200	N	<20	N	>2,000	N
9LG013N	N	15	N	N	200	N	100	N	>2,000	<200
9LG014N	N	50	N	N	200	N	200	N	>2,000	N
9LG015N	N	30	200	N	200	N	200	N	>2,000	N
9ME001N	N	30	70	N	150	N	500	N	>2,000	N
9ME001N	N	30	N	N	200	N	300	N	>2,000	700
9MM001N	N	150	100	N	150	N	500	N	>2,000	N
9RE001N	N	30	20	N	200	N	200	N	>2,000	200
9RE002N	N	15	1,000	N	300	N	100	N	>2,000	N
9RE003N	N	20	100	N	200	N	150	N	>2,000	N
9RE004N	N	70	30	N	200	N	200	N	>2,000	300
9RE005N	N	100	300	N	50	N	300	N	>2,000	700
9RE006N	N	50	30	N	50	N	500	N	>2,000	N
9RE007N	N	50	50	N	150	N	200	N	>2,000	N
9RE008N	N	50	N	N	30	N	300	N	>2,000	300
9RE009N	N	70	N	N	30	N	300	N	>2,000	N
9RE010N	N	100	<20	N	70	N	500	N	>2,000	N
					C-7--Continued					
9BB002N	N	50	30	N	300	N	200	N	>2,000	N
9BB003N	N	70	N	N	300	N	200	N	>2,000	N
9BB004N	N	30	N	N	200	N	200	N	>2,000	700
9BB005N	N	50	N	N	300	N	150	N	>2,000	N
9BB006N	N	70	1,000	N	300	N	300	N	>2,000	500
9BB007N	N	30	N	N	100	N	100	N	>2,000	N
9BB008N	N	50	<20	N	200	N	100	N	>2,000	N
9BB009N	N	50	20	N	300	N	100	N	>2,000	200
9BB010N	N	>200	<20	N	200	N	500	N	>2,000	200
9BB011N	N	200	100	N	300	N	700	N	>2,000	200
9BB012N	N	150	20	N	200	N	500	N	>2,000	N
9BB013N	N	150	150	N	150	N	500	N	>2,000	N
9BB014N	N	20	50	N	300	N	100	N	>2,000	200
9BB015N	N	30	30	N	300	N	150	N	>2,000	700
9CR001N	N	150	1,000	N	200	N	300	700	>2,000	500
9CR002N	N	150	100	N	200	N	300	700	>2,000	200
9CR003N	N	200	50	N	150	N	300	1,000	>2,000	200
9CR004N	N	100	100	N	200	N	500	N	>2,000	1,000
9CR005N	N	20	1,000	N	200	N	100	N	>2,000	N
9CR006N	N	200	30	N	100	N	500	N	>2,000	200
9CR007N	N	150	N	N	100	N	300	500	>2,000	<200
9CR008N	N	100	30	N	200	N	150	N	>2,000	N
9CR009N	N	30	50	N	200	N	300	N	>2,000	1,000
9CR010N	N	20	70	N	200	N	70	N	>2,000	N
9CR011N	N	30	20	N	200	N	150	N	>2,000	200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-7--Continued							
9CR012N	35 34 45	81 35 44	.30	.05	.20	>2.00	100	N	N	N	30	N
9CR013N	35 36 42	81 31 20	.10	<.05	<.10	>2.00	30	N	N	N	20	N
9CR014N	35 36 37	81 31 8	.20	<.05	.10	>2.00	70	N	N	N	50	N
9CR015N	35 36 1	81 32 43	.20	<.05	.15	>2.00	50	N	N	30	100	N
9CR016N	35 35 46	81 33 6	.20	.05	.10	>2.00	70	N	N	N	150	N
9CR017N	35 35 23	81 31 26	.20	<.05	<.10	>2.00	50	N	N	N	30	N
9CR018N	35 34 26	81 30 3	.50	.07	<.10	>2.00	50	N	N	N	300	N
9MS001N	35 39 13	81 44 34	.15	<.05	.10	2.00	50	N	N	N	<20	<50
9MS002N	35 39 25	81 44 10	.20	.05	.20	1.00	70	N	N	N	20	100
9MS003N	35 40 45	81 42 40	.15	<.05	.30	1.50	70	N	N	N	20	100
9MS004N	35 40 15	81 42 33	.10	<.05	.20	1.50	50	N	N	N	<20	100
9MS005N	35 40 58	81 44 38	.10	<.05	.50	1.00	50	N	N	N	<20	150
9MS006N	35 38 4	81 39 39	.50	.05	.20	>2.00	20	N	N	N	50	N
9MS007N	35 38 50	81 40 46	.30	<.05	.15	2.00	100	N	N	N	20	N
9MS008N	35 38 25	81 41 17	.20	<.05	.30	2.00	100	N	N	N	20	<50
9MS009N	35 37 47	81 41 53	.70	<.05	.20	2.00	500	N	N	N	100	50
9V001N	35 41 3	81 35 34	.20	.05	<.10	>2.00	70	2	N	N	100	50
9V002N	35 41 15	81 36 5	.15	<.05	<.10	>2.00	50	N	N	N	100	<50
9V003N	35 42 4	81 37 19	.10	<.05	.30	>2.00	70	N	N	N	50	70
9V004N	35 42 16	81 36 1	.10	<.05	.10	>2.00	100	N	N	N	150	<50
9V005N	35 42 39	81 35 28	.10	.05	.50	>2.00	100	N	N	N	100	50
9V006N	35 42 20	81 34 18	.10	.07	1.00	>2.00	100	N	N	N	100	70
9V007N	35 42 15	81 34 7	<.10	<.05	.20	>2.00	70	N	N	N	50	N
9V008N	35 42 1	81 32 53	.10	.05	.15	>2.00	50	N	N	N	50	<50
9V009N	35 42 7	81 32 2	<.10	<.05	.10	>2.00	70	N	N	N	50	<50
9V010N	35 39 50	81 30 9	<.10	<.05	<.10	>2.00	50	N	N	N	100	N
9V011N	35 38 43	81 35 59	<.10	<.05	.20	>2.00	30	N	N	N	20	N
9V012N	35 44 44	81 36 5	.70	<.05	<.10	>2.00	100	N	N	N	20	50
9V013N	35 43 59	81 34 33	1.00	.07	.15	>2.00	150	N	N	20	100	100
9V014N	35 44 25	81 31 10	.50	.05	<.10	>2.00	100	N	N	30	50	70
9V015N	35 44 21	81 30 23	.70	.05	<.10	>2.00	150	N	N	50	100	70
					C-8							
9DY001N	35 36 19	81 48 57	.50	.05	.30	1.50	150	N	N	N	30	N
9DY001N	35 36 19	81 48 57	.10	<.05	.10	1.00	50	N	N	N	20	70
9DY002N	35 36 3	81 48 54	.10	<.05	<.10	.30	50	N	N	N	<20	100
9DY002N	35 36 3	81 48 54	.30	.05	.30	1.50	70	20	N	100	<20	50
9DY003N	35 37 27	81 50 55	.15	.10	.30	.30	50	N	N	N	20	100
9DY004N	35 30 19	81 51 26	.15	<.05	<.10	.20	50	5	N	50	20	100
9DY004N	35 30 19	81 51 26	.30	.05	1.00	>2.00	300	N	N	N	20	100
9DY005N	35 30 13	81 51 28	.15	<.05	.50	1.50	70	N	N	N	20	150
9DY006N	35 31 36	81 51 22	.20	.05	1.00	>2.00	200	N	N	30	20	100
9DY007N	35 31 15	81 51 8	.20	<.05	1.00	2.00	150	N	N	N	20	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-7--Continued						
9CR012N	10	N	N	10	100	100	70	N	200	N	50
9CR013N	5	N	N	15	150	N	100	N	500	N	<20
9CR014N	20	N	N	10	150	<10	500	N	150	N	20
9CR015N	10	N	N	15	150	50	500	N	200	N	50
9CR016N	15	N	N	10	150	<10	700	N	200	<10	20
9CR017N	7	N	N	10	200	10	150	N	300	N	20
9CR018N	50	N	N	10	200	<10	500	N	300	<10	20
9MS001N	N	N	N	N	20	10	500	N	N	N	<20
9MS002N	N	N	N	10	50	15	500	N	50	N	<20
9MS003N	N	N	N	10	20	15	1,000	N	150	N	<20
9MS004N	N	N	N	<10	30	15	500	N	50	N	<20
9MS005N	N	N	N	<10	<20	20	70	N	<50	N	<20
9MS006N	20	N	N	<10	150	10	500	N	150	N	20
9MS007N	10	N	N	N	150	<10	70	N	100	N	<20
9MS008N	7	N	N	<10	100	10	100	N	100	N	100
9MS009N	15	N	N	10	70	10	2,000	N	200	15	300
9V001N	20	N	N	N	200	500	150	N	1,000	N	N
9V002N	15	N	N	N	200	N	500	N	200	N	N
9V003N	5	N	N	N	100	N	500	N	70	N	20
9V004N	20	N	N	N	300	N	70	N	200	N	<20
9V005N	20	N	N	N	200	<10	500	N	300	N	<20
9V006N	15	N	N	N	1,000	700	150	N	200	N	20
9V007N	5	N	N	N	200	N	100	N	150	N	20
9V008N	7	N	N	N	200	N	300	N	300	N	20
9V009N	N	N	N	N	50	<10	100	N	50	N	20
9V010N	20	N	N	N	300	N	1,000	N	150	N	<20
9V011N	3	N	N	N	150	10	150	N	100	N	30
9V012N	10	N	N	20	150	5	200	N	200	N	30
9V013N	20	N	N	20	500	20	1,500	N	300	20	50
9V014N	5	N	N	20	200	50	700	N	500	N	30
9V015N	20	N	N	20	300	<10	>2,000	N	500	<10	50
					C-8--Continued						
9DY001N	5	N	N	10	100	300	N	N	70	<10	20
9DY001N	N	N	N	10	50	N	300	N	<50	N	30
9DY002N	N	N	N	10	30	<10	N	N	N	N	<20
9DY002N	N	N	N	10	70	N	500	N	70	N	<20
9DY003N	N	N	N	10	30	N	N	N	N	N	20
9DY004N	N	N	N	10	30	N	N	N	N	N	<20
9DY004N	N	N	N	10	30	N	150	N	150	N	<20
9DY005N	N	N	N	10	30	N	500	N	70	N	<20
9DY006N	N	N	N	10	30	<10	100	N	200	N	<20
9DY007N	N	N	N	<10	20	10	50	N	<50	N	<20

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-7--Continued					
9CR012N	N	100	200	N	200	N	300	N	>2,000	N
9CR013N	N	30	20	N	200	N	100	N	>2,000	N
9CR014N	N	50	700	N	200	N	200	N	>2,000	200
9CR015N	N	70	700	N	200	N	200	N	>2,000	200
9CR016N	N	50	70	N	200	N	200	N	>2,000	300
9CR017N	N	30	70	N	200	N	100	N	>2,000	N
9CR018N	N	20	<20	N	200	N	100	N	>2,000	500
9MS001N	N	150	30	N	70	N	700	N	>2,000	200
9MS002N	N	150	N	N	70	N	500	N	>2,000	500
9MS003N	N	150	N	N	50	N	700	N	>2,000	700
9MS004N	N	150	N	N	50	N	500	N	>2,000	300
9MS005N	N	150	N	<200	50	N	700	N	>2,000	300
9MS006N	N	20	50	N	200	N	200	N	>2,000	200
9MS007N	N	30	N	N	200	N	200	N	>2,000	N
9MS008N	N	50	20	N	200	N	300	N	>2,000	<200
9MS009N	N	30	N	N	150	N	500	N	>2,000	1,000
9V001N	N	10	20	N	200	N	20	N	1,000	N
9V002N	N	20	100	N	300	N	150	N	>2,000	<200
9V003N	N	100	70	<200	200	N	500	N	>2,000	200
9V004N	N	20	<20	N	300	N	150	N	>2,000	N
9V005N	N	10	<20	N	300	N	150	N	>2,000	N
9V006N	N	20	200	N	300	N	300	N	>2,000	N
9V007N	N	70	50	N	500	N	300	N	>2,000	N
9V008N	N	50	20	N	500	N	300	N	>2,000	N
9V009N	N	30	N	<200	150	N	500	N	>2,000	N
9V010N	N	50	<20	N	300	N	200	N	>2,000	N
9V011N	N	100	200	N	300	N	300	N	>2,000	N
9V012N	N	100	50	N	200	N	300	N	>2,000	N
9V013N	N	50	20	N	200	N	200	N	>2,000	200
9V014N	N	150	200	N	200	N	200	N	>2,000	N
9V015N	N	50	N	N	150	N	500	N	>2,000	1,000
					C-8--Continued					
9DY001N	N	50	<20	N	200	N	200	N	>2,000	N
9DY001N	N	150	N	N	100	N	500	N	>2,000	500
9DY002N	N	100	N	N	20	N	500	700	>2,000	<200
9DY002N	N	100	N	N	100	N	300	N	>2,000	300
9DY003N	N	150	N	N	70	N	500	1,000	>2,000	500
9DY004N	N	150	N	N	30	N	300	N	>2,000	N
9DY004N	N	100	N	N	150	N	500	N	>2,000	300
9DY005N	N	100	N	N	100	N	700	N	>2,000	500
9DY006N	N	100	150	N	150	N	500	N	>2,000	300
9DY007N	N	70	N	N	70	N	300	N	>2,000	<200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-8--Continued							
9DY008N	35 33 51	81 49 7	.20	<.05	.30	2.00	100	N	N	N	20	<50
9DY009N	35 33 49	81 49 9	.20	.07	.20	1.00	50	N	N	N	20	100
9DY010N	35 32 48	81 48 5	.15	.10	.50	1.00	50	N	N	N	20	100
9DY011N	35 31 53	81 49 30	.15	<.05	.20	1.00	30	5	N	100	20	100
9DY012N	35 32 24	81 48 39	.20	.10	.30	.70	50	5	N	100	20	150
9DY014N	35 32 47	81 49 34	.50	.20	.50	1.50	100	50	N	500	50	100
9DY015N	35 32 50	81 49 34	.20	.07	.30	.70	150	5	N	100	<20	100
9DY016N	35 32 43	81 47 30	.15	<.05	.10	>2.00	50	N	N	N	20	<50
9DY017N	35 33 32	81 47 40	.20	<.05	.15	>2.00	100	5	N	30	30	<50
9DY018N	35 33 35	81 47 38	.20	<.05	.20	>2.00	100	N	N	N	20	N
9DY019N	35 31 55	81 46 38	.20	<.05	.10	>2.00	150	N	N	N	20	<50
9DY020N	35 32 9	81 46 17	.15	<.05	.10	>2.00	100	N	N	N	20	<50
9DY021N	35 30 19	81 47 30	.30	.05	.15	2.00	100	N	N	N	30	N
9DY022N	35 30 19	81 47 57	.15	<.05	<.10	2.00	100	N	N	N	<20	<50
9DY023N	35 30 19	81 48 3	.20	.05	.15	2.00	100	N	N	N	20	50
9GD001N	35 36 43	81 52 41	.20	.05	.10	>2.00	70	N	N	N	20	70
9GD002N	35 36 56	81 53 46	.20	<.05	<.10	1.00	50	N	N	N	20	100
9GD003N	35 37 19	81 53 46	.20	.20	.50	>2.00	150	N	N	N	20	100
9GD004N	35 37 28	81 52 52	.20	<.05	.10	>2.00	50	N	N	N	<20	50
9GD005N	35 36 36	81 59 46	.20	<.05	.20	>2.00	50	N	N	N	<20	50
9GD006N	35 35 47	81 57 8	.20	.07	1.00	>2.00	150	N	N	N	<20	50
9GD007N	35 35 45	81 57 8	.20	.05	.70	>2.00	100	N	N	N	20	50
9GD008N	35 36 3	81 58 9	.15	<.05	.50	>2.00	150	N	N	N	50	100
9GD009N	35 36 1	81 58 30	.10	<.05	<.10	>2.00	70	5	N	50	30	100
9GD012N	35 33 52	81 58 4	.50	.05	1.00	>2.00	150	N	N	N	20	<50
9GD013N	35 31 44	81 58 14	1.00	.05	1.50	>2.00	150	50	N	200	<20	<50
9GD014N	35 31 10	81 58 53	2.00	<.05	1.50	>2.00	150	N	N	N	30	50
9GD015N	35 35 13	81 53 26	.10	<.05	<.10	.70	50	N	N	N	<20	100
9GD016N	35 32 59	81 55 27	.10	<.05	.10	>2.00	50	2	N	<20	<20	100
9GD017N	35 32 25	81 55 12	.15	.10	.30	>2.00	70	N	N	N	<20	70
9GD018N	35 32 32	81 54 39	.15	.07	.10	>2.00	50	N	N	N	20	70
9GD019N	35 33 32	81 55 11	.15	.07	.10	1.50	50	50	N	1,000	<20	150
9GD020N	35 34 21	81 55 44	.20	<.05	.20	2.00	100	5	N	30	<20	50
9GD021N	35 33 42	81 56 38	.20	<.05	.20	>2.00	70	2	N	N	<20	50
9GD022N	35 32 45	81 57 19	.20	<.05	.30	>2.00	150	7	N	50	<20	<50
9GD023N	35 32 49	81 57 18	.20	<.05	.20	>2.00	70	N	N	N	20	70
9GD024N	35 30 29	81 57 27	1.00	.05	.30	2.00	100	N	N	N	20	70
9GD025N	35 30 38	81 57 45	.20	.07	.20	>2.00	100	N	N	N	<20	50
9GD026N	35 30 22	81 55 2	.10	<.05	.10	2.00	50	N	N	N	20	100
9GD027N	35 30 43	81 54 21	.15	<.05	.70	1.50	150	N	N	N	<20	70
9GD028N	35 31 37	81 53 17	.10	<.05	.20	1.00	50	N	N	N	<20	150
9GL005N	35 44 30	81 46 28	.10	<.05	N	>2.00	30	N	N	N	<20	70
9GL006N	35 43 26	81 48 0	.20	<.05	.10	>2.00	70	10	N	50	<20	70
9GL007N	35 44 7	81 49 43	.20	<.05	.20	1.50	50	N	N	N	<20	100
9GL008N	35 43 1	81 49 42	.15	<.05	.10	>2.00	50	7	N	30	<20	70

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-8--Continued						
9DY008N	N	N	N	N	100	<10	50	N	N	N	20
9DY009N	N	N	N	15	50	N	1,500	N	70	N	20
9DY010N	N	N	N	10	30	<10	100	N	50	N	20
9DY011N	N	N	N	10	50	N	N	N	50	N	<20
9DY012N	N	N	N	10	50	N	500	N	<50	N	<20
9DY014N	N	N	N	50	50	10	150	N	70	10	20
9DY015N	N	N	N	15	200	N	500	N	<50	N	20
9DY016N	3	N	N	15	100	10	70	N	200	N	<20
9DY017N	3	N	N	10	150	N	200	N	100	N	<20
9DY018N	5	N	N	10	100	N	700	N	150	N	20
9DY019N	2	N	N	15	100	N	100	N	300	N	<20
9DY020N	3	N	N	10	70	N	100	N	150	N	20
9DY021N	200	N	N	10	150	10	>2,000	N	50	N	20
9DY022N	N	N	N	<10	70	N	300	N	100	N	<20
9DY023N	<2	N	N	15	100	<10	>2,000	N	70	N	30
9GD001N	N	N	N	N	100	N	500	N	100	N	20
9GD002N	N	N	N	N	30	N	700	N	150	N	30
9GD003N	N	N	N	10	200	70	100	N	100	N	30
9GD004N	N	N	N	10	200	N	100	N	150	<10	20
9GD005N	N	N	N	N	50	10	<50	N	100	N	<20
9GD006N	N	N	N	10	100	N	100	N	200	<10	200
9GD007N	N	N	N	<10	100	N	150	N	150	N	20
9GD008N	N	N	N	15	200	N	100	N	300	N	20
9GD009N	N	N	N	10	150	N	70	N	200	N	<20
9GD012N	N	N	N	10	100	30	150	N	100	<10	200
9GD013N	N	N	70	100	70	70	100	N	70	15	50
9GD014N	N	N	N	150	20	50	200	N	50	15	20
9GD015N	N	N	N	N	20	N	2,000	N	N	N	20
9GD016N	N	700	N	N	20	N	150	N	100	N	100
9GD017N	N	50	N	10	20	10	300	N	500	<10	100
9GD018N	N	N	N	N	20	10	2,000	N	70	N	20
9GD019N	N	N	N	N	30	10	700	N	50	N	70
9GD020N	N	N	N	N	20	700	100	N	50	<10	50
9GD021N	N	N	N	N	50	30	700	N	50	N	50
9GD022N	N	N	N	10	100	10	200	N	150	N	150
9GD023N	N	N	N	<10	30	<10	300	N	70	N	700
9GD024N	N	N	N	50	30	15	300	N	N	<10	200
9GD025N	N	N	N	N	100	10	300	N	50	<10	30
9GD026N	N	N	N	N	20	N	150	N	100	N	<20
9GD027N	N	N	N	N	<20	<10	700	N	N	N	<20
9GD028N	N	N	N	N	20	N	1,500	N	<50	N	20
9GL005N	N	N	N	N	30	10	200	N	70	N	300
9GL006N	N	N	N	10	50	10	700	N	50	N	30
9GL007N	N	N	N	10	30	10	1,000	N	50	N	<20
9GL008N	N	N	N	N	50	30	100	N	200	N	<20

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-8--Continued					
9DY008N	N	70	N	N	150	N	300	N	>2,000	N
9DY009N	N	10	N	N	100	N	500	N	>2,000	1,500
9DY010N	N	200	N	N	70	N	500	N	>2,000	300
9DY011N	N	200	100	N	100	N	500	N	>2,000	200
9DY012N	N	200	N	N	50	N	500	N	>2,000	700
9DY014N	N	150	N	N	70	N	300	N	>2,000	300
9DY015N	N	200	N	N	50	N	300	N	>2,000	700
9DY016N	N	70	N	N	200	N	200	N	>2,000	<200
9DY017N	N	50	N	N	200	N	300	N	>2,000	700
9DY018N	N	70	N	N	200	N	300	N	>2,000	500
9DY019N	N	50	N	N	200	N	200	N	>2,000	N
9DY020N	N	100	20	N	200	N	200	N	>2,000	N
9DY021N	N	N	N	N	200	N	300	N	>2,000	1,000
9DY022N	N	150	N	N	150	N	300	N	>2,000	300
9DY023N	N	10	200	N	150	N	500	N	>2,000	2,000
9GD001N	N	70	20	N	100	N	500	1,000	>2,000	200
9GD002N	N	100	N	N	30	N	700	700	>2,000	300
9GD003N	N	50	150	N	200	N	300	1,000	>2,000	N
9GD004N	N	50	20	N	200	N	500	500	>2,000	300
9GD005N	N	50	N	N	100	N	500	N	>2,000	N
9GD006N	N	30	200	N	200	N	500	N	>2,000	N
9GD007N	N	70	30	N	200	N	500	1,000	>2,000	N
9GD008N	N	50	50	N	300	N	300	1,000	>2,000	N
9GD009N	N	100	N	N	200	N	500	N	>2,000	N
9GD012N	N	100	500	N	200	N	500	700	>2,000	<200
9GD013N	N	100	50	N	150	N	700	5,000	>2,000	200
9GD014N	N	100	<20	N	100	N	700	N	>2,000	300
9GD015N	N	150	10	N	<20	N	700	N	>2,000	300
9GD016N	N	200	N	N	100	N	500	N	>2,000	N
9GD017N	N	200	100	N	150	N	700	N	>2,000	300
9GD018N	N	200	N	N	70	N	700	N	>2,000	500
9GD019N	N	>200	N	N	50	N	1,000	1,000	>2,000	500
9GD020N	N	150	30	N	50	N	700	N	>2,000	200
9GD021N	N	200	50	N	70	N	1,000	N	>2,000	500
9GD022N	N	100	N	N	200	N	700	N	>2,000	<200
9GD023N	N	200	50	N	100	N	1,000	N	>2,000	300
9GD024N	N	200	20	N	70	N	1,000	N	>2,000	300
9GD025N	N	200	200	N	200	N	700	700	>2,000	300
9GD026N	N	150	N	N	70	N	500	N	>2,000	N
9GD027N	N	100	300	N	50	N	500	N	>2,000	200
9GD028N	N	200	N	N	30	N	700	N	>2,000	500
9GL005N	N	10	30	N	70	N	700	700	>2,000	1,500
9GL006N	N	150	N	N	70	N	700	2,000	>2,000	500
9GL007N	N	100	N	N	50	N	700	500	>2,000	700
9GL008N	N	100	70	N	100	N	500	700	>2,000	<200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-8--Continued							
9GL009N	35 42 59	81 46 1	.20	<.05	.10	2.00	50	N	N	N	20	100
9GL010N	35 42 43	81 47 35	.10	<.05	<.10	2.00	100	50	N	500	<20	50
9GL011N	35 42 14	81 51 59	.15	<.05	.10	1.00	50	15	N	150	20	100
9GL012N	35 39 8	81 51 36	.20	.05	.20	2.00	50	N	N	N	150	50
9GL013N	35 40 0	81 48 8	.15	<.05	.20	.70	70	N	N	N	<20	70
9GL014N	35 40 58	81 47 6	.15	<.05	<.10	.10	50	N	N	N	<20	100
9GL015N	35 39 17	81 46 10	.20	<.05	.15	.20	70	N	N	N	<20	70
9GL016N	35 39 15	81 46 7	.15	.05	.15	2.00	50	N	N	N	30	70
9GL017N	35 43 7	81 46 11	.15	<.05	.10	>2.00	70	N	N	N	20	100
9GL018N	35 40 51	81 45 10	.20	<.05	.20	.20	100	N	N	N	<20	150
9GL019N	35 38 17	81 46 16	.20	.05	.50	1.50	100	N	N	N	<20	<50
9GL020N	35 40 14	81 49 46	.15	<.05	.20	2.00	70	N	N	30	<20	50
9MR001N	35 42 51	81 52 38	.50	.20	.50	1.00	100	N	N	N	200	70
9MR002N	35 42 22	81 56 29	.30	.07	.20	>2.00	70	N	N	N	30	70
9MR003N	35 42 19	81 56 32	.50	.15	.30	1.50	100	N	N	N	20	100
9MR004N	35 42 51	81 58 39	.20	.15	.30	1.50	70	N	N	N	200	70
9MR005N	35 40 16	81 58 57	.30	.10	.50	1.50	150	N	N	N	<20	50
9MR006N	35 40 6	81 59 2	.30	.10	.30	1.50	100	N	N	N	<20	70
9MR007N	35 39 49	81 57 40	.50	.10	.10	2.00	100	N	N	N	20	70
9MR008N	35 41 53	81 53 50	.50	.07	.15	1.50	50	N	N	N	20	50
9MR009N	35 41 4	81 55 49	.70	.10	<.10	2.00	100	N	N	N	20	50
9MR010N	35 41 3	81 55 51	.50	.10	.10	2.00	70	N	N	N	20	50
9MR011N	35 37 41	81 59 33	.50	.15	.15	>2.00	500	N	N	N	20	70
9MR012N	35 39 24	81 55 54	.20	.05	.10	2.00	100	N	N	N	20	50
9MR013N	35 39 18	81 56 21	.20	.05	.10	1.00	70	N	N	N	<20	50
9MR014N	35 39 5	81 55 21	.30	.15	.10	>2.00	150	N	N	N	<20	50
9MR015N	35 39 29	81 54 52	.20	<.05	.10	>2.00	150	N	N	N	20	50
9MR016N	35 40 10	81 54 8	.15	.10	.10	>2.00	100	N	N	N	20	50
					D-1							
8FG001N	35 48 48	80 2 42	1.00	.20	2.00	>2.00	700	N	N	N	20	500
8FG002N	35 48 11	80 3 23	1.00	.10	3.00	>2.00	700	N	N	N	70	300
8FG003N	35 48 10	80 3 6	.70	.10	2.00	>2.00	700	N	N	N	20	200
8FG004N	35 46 53	80 1 16	.70	.10	.20	>2.00	500	N	N	N	30	200
8FG006N	35 46 46	80 5 51	.70	.20	1.50	>2.00	500	N	N	N	20	200
8FG007N	35 46 54	80 4 58	7.00	1.00	10.00	2.00	2,000	N	N	N	20	100
8FG008N	35 46 13	80 2 50	1.50	.30	1.50	>2.00	700	N	N	N	30	300
8FG009N	35 45 29	80 1 1	5.00	1.00	10.00	>2.00	1,500	N	N	N	20	70
8FG010N	35 46 36	80 7 29	.50	.10	.70	>2.00	200	N	N	N	50	150
8FG011N	35 50 11	80 6 41	1.50	.05	2.00	>2.00	700	N	N	N	<20	100
8FG013N	35 47 37	80 7 21	5.00	2.00	7.00	>2.00	1,500	N	N	N	20	100
8FG014N	35 51 11	80 6 10	.50	.05	1.50	>2.00	300	N	N	N	20	200
8FG015N	35 51 18	80 6 34	.10	<.05	.50	2.00	50	N	N	N	<20	100
8FG016N	35 51 51	80 3 59	2.00	.07	1.50	>2.00	300	N	N	N	30	500
8FG018N	35 49 7	80 3 21	.15	.05	1.00	>2.00	100	N	N	N	20	100

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-8--Continued						
9GL009N	N	N	N	10	30	30	100	N	150	N	20
9GL010N	N	20	N	N	50	20	150	N	50	N	20
9GL011N	N	N	N	N	30	N	100	N	<50	N	N
9GL012N	N	N	N	10	30	10	>2,000	N	150	N	20
9GL013N	N	N	N	N	20	N	100	N	N	N	<20
9GL014N	N	N	N	N	20	N	500	N	N	N	<20
9GL015N	N	N	N	<10	20	<10	300	N	N	20	<20
9GL016N	N	N	N	N	20	N	1,000	N	<50	N	<20
9GL017N	N	N	N	N	30	N	300	N	100	N	50
9GL018N	N	N	N	10	20	N	1,000	N	<50	N	20
9GL019N	2	N	N	N	50	10	500	N	50	N	N
9GL020N	N	N	N	N	30	<10	200	N	200	N	20
9MR001N	N	N	N	10	50	10	>2,000	N	50	N	30
9MR002N	N	N	N	10	30	10	>2,000	N	100	N	70
9MR003N	2	N	N	<10	30	10	100	N	300	N	30
9MR004N	N	N	N	<10	20	30	500	N	70	N	30
9MR005N	2	N	N	N	30	15	70	N	100	N	50
9MR006N	<2	N	N	N	30	500	100	N	70	N	150
9MR007N	N	N	N	10	50	15	50	N	100	N	30
9MR008N	N	N	N	<10	50	20	50	N	50	N	20
9MR009N	N	N	N	N	100	10	50	N	70	N	<20
9MR010N	N	N	N	N	70	10	50	N	70	N	<20
9MR011N	N	N	N	10	70	10	150	N	70	10	20
9MR012N	N	N	N	N	30	10	50	N	50	<10	20
9MR013N	N	N	N	N	20	<10	50	N	<50	N	20
9MR014N	N	N	N	15	200	30	50	N	200	<10	20
9MR015N	2	N	N	10	300	N	200	N	150	N	20
9MR016N	N	N	N	15	150	N	150	N	200	N	20
					D-1--Continued						
8FG001N	2	N	N	15	100	300	100	N	<50	<10	100
8FG002N	5	N	N	20	200	20	50	N	50	<10	70
8FG003N	<2	N	N	10	70	15	70	N	<50	<10	50
8FG004N	10	N	N	20	100	15	50	N	100	<10	50
8FG006N	5	N	N	20	500	70	500	300	50	<10	2,000
8FG007N	<2	N	N	15	700	30	50	N	<50	15	50
8FG008N	10	N	N	20	150	20	50	N	70	<10	500
8FG009N	<2	N	N	15	300	30	<50	N	50	15	70
8FG010N	3	N	N	10	200	N	<50	N	50	<10	30
8FG011N	<2	N	N	200	50	3,000	50	N	<50	10	5,000
8FG013N	<2	N	N	20	500	50	<50	N	50	10	70
8FG014N	2	N	N	15	70	500	50	N	50	<10	5,000
8FG015N	<2	N	N	N	30	N	<50.	N	<50	<10	150
8FG016N	3	N	500	200	100	3,000	50	N	50	<10	7,000
8FG018N	<2	N	N	<10	50	700	50	N	50	<10	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-aineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppa s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-8--Continued					
9GL009N	N	200	N	N	100	N	1,000	1,000	>2,000	500
9GL010N	N	150	N	N	150	N	700	N	>2,000	300
9GL011N	N	100	20	N	50	N	500	N	>2,000	<200
9GL012N	N	70	N	N	70	N	1,000	1,500	>2,000	700
9GL013N	N	70	N	N	30	N	1,000	N	>2,000	200
9GL014N	N	150	N	N	30	N	1,000	<500	>2,000	500
9GL015N	N	100	N	N	30	N	1,000	N	>2,000	300
9GL016N	N	150	N	N	70	N	700	N	>2,000	500
9GL017N	N	150	50	N	150	N	1,000	1,000	>2,000	500
9GL018N	N	200	N	N	50	N	1,000	500	>2,000	500
9GL019N	N	70	N	N	150	N	500	N	>2,000	<200
9GL020N	N	150	N	N	100	N	700	N	>2,000	200
9MR001N	N	50	N	N	50	N	500	N	>2,000	500
9MR002N	N	50	N	N	50	N	700	N	>2,000	700
9MR003N	N	20	N	N	50	N	500	N	>2,000	N
9MR004N	N	50	N	N	50	N	500	N	>2,000	200
9MR005N	N	20	150	N	50	N	500	N	>2,000	N
9MR006N	N	30	200	N	50	N	300	N	>2,000	N
9MR007N	N	30	30	N	70	N	300	N	>2,000	N
9MR008N	N	30	N	N	50	N	200	N	>2,000	N
9MR009N	N	20	N	N	70	N	200	N	>2,000	N
9MR010N	N	20	N	N	70	N	200	N	>2,000	N
9MR011N	N	30	N	N	70	N	300	N	>2,000	N
9MR012N	N	30	N	N	50	N	300	N	>2,000	N
9MR013N	N	30	N	N	30	N	300	N	>2,000	N
9MR014N	N	20	20	N	200	N	150	1,000	>2,000	N
9MR015N	N	50	150	N	200	N	500	1,000	>2,000	200
9MR016N	N	70	500	N	150	N	300	N	>2,000	200
					D-1--Continued					
8FG001N	N	70	500	300	200	N	300	N	>2,000	N
8FG002N	N	50	N	200	150	N	150	N	>2,000	N
8FG003N	N	70	300	200	150	N	300	N	>2,000	N
8FG004N	N	50	N	<200	100	N	100	N	2,000	N
8FG006N	N	70	2,000	200	300	N	150	N	>2,000	N
8FG007N	N	100	20	1,000	500	N	100	N	2,000	N
8FG008N	N	50	N	200	150	N	100	N	>2,000	N
8FG009N	N	70	70	1,000	700	N	100	N	2,000	N
8FG010N	N	50	N	<200	300	N	100	N	>2,000	N
8FG011N	N	200	>2,000	<200	150	N	500	N	>2,000	N
8FG013N	N	100	50	700	1,000	N	100	N	>2,000	N
8FG014N	N	200	20	<200	150	N	500	N	>2,000	N
8FG015N	N	150	300	<200	50	N	300	N	>2,000	N
8FG016N	N	150	200	<200	150	N	500	5,000	>2,000	N
8FG018N	N	30	N	<200	100	N	150	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-1--Continued							
8HP001N	35 58 54	80 7 3	.50	<.05	1.00	>2.00	500	N	N	N	20	100
8HP002N	35 58 57	80 6 36	1.50	<.05	.70	>2.00	150	N	N	N	20	50
8HP003N	35 58 51	80 5 50	.20	<.05	.70	>2.00	100	N	N	N	20	50
8HP004N	35 59 37	80 3 12	.10	<.05	.70	2.00	100	N	N	N	20	50
8HP005N	35 58 51	80 2 45	.70	<.05	.50	2.00	100	N	N	N	<20	300
8HP006N	35 57 4	80 3 59	.30	.20	1.00	>2.00	500	N	N	N	20	70
8HP007N	35 56 3	80 4 12	.20	.05	1.00	>2.00	200	N	N	N	20	70
8HP008N	35 54 41	80 4 50	.50	<.05	.70	2.00	100	N	N	N	20	70
8HP009N	35 54 8	80 5 17	.15	.07	1.00	>2.00	200	N	N	N	20	100
8HP010N	35 53 45	80 6 1	.20	<.05	.20	2.00	50	7	N	N	<20	150
8HP011N	35 55 32	80 7 26	.20	.05	.50	2.00	50	N	N	N	20	150
8HP012N	35 53 53	80 0 27	.10	<.05	.50	2.00	70	N	N	N	20	100
8HP013N	35 53 55	80 0 59	.50	<.05	.50	>2.00	70	N	N	N	20	50
8HP014N	35 53 32	80 1 2	.10	.07	1.00	2.00	200	N	N	N	20	100
8HP015N	35 53 3	80 3 38	.30	.05	.15	2.00	200	150	N	>1,000	20	100
8HP016N	35 52 51	80 0 21	.20	.05	.30	>2.00	200	N	N	20	20	100
8HP017N	35 52 35	80 0 15	.30	<.05	.50	2.00	150	N	N	N	<20	70
8HP018N	35 54 16	80 3 14	.30	<.05	.20	>2.00	200	N	N	N	20	100
8LA011N	35 48 33	80 11 11	.50	<.05	.20	>2.00	100	N	N	N	20	100
8LA012N	35 48 19	80 11 17	1.00	.07	.70	>2.00	200	N	N	N	20	200
8LA013N	35 47 23	80 12 9	.70	.07	.50	>2.00	200	N	N	N	20	150
8LA014N	35 46 7	80 12 47	.50	.05	.30	>2.00	150	N	N	50	20	100
8LA015N	35 45 34	80 13 25	.50	.07	.50	>2.00	200	N	N	N	20	150
8LA016N	35 45 57	80 12 9	.50	.05	.10	>2.00	150	N	N	N	20	70
8LA017N	35 46 23	80 11 57	.70	.05	.30	>2.00	700	N	N	N	30	100
8LA018N	35 45 42	80 7 32	.50	.05	.20	>2.00	100	N	N	N	20	50
8LA019N	35 46 6	80 10 22	.50	.05	.20	>2.00	100	N	N	N	20	50
8MY001N	35 57 51	80 11 48	.50	<.05	1.50	2.00	200	N	N	N	<20	100
8MY002N	35 57 53	80 11 49	.50	.05	3.00	>2.00	500	N	N	N	<20	100
8MY003N	35 58 20	80 11 44	.15	<.05	.50	1.50	100	N	N	N	<20	100
8MY004N	35 56 41	80 10 7	.50	<.05	1.00	>2.00	300	N	N	N	<20	<50
8MY005N	35 57 33	80 8 1	.50	<.05	.20	>2.00	70	N	N	N	<20	<50
8MY005N	35 57 33	80 8 1	.20	<.05	2.00	>2.00	150	N	N	N	<20	<50
8MY007N	35 53 9	80 14 12	.20	<.05	.50	>2.00	100	N	N	N	<20	150
8MY008N	35 54 11	80 13 50	.10	<.05	.30	2.00	50	N	N	N	<20	100
8MY009N	35 54 33	80 12 46	.15	<.05	.70	2.00	100	N	N	N	<20	100
8MY010N	35 54 55	80 12 55	.20	<.05	1.00	>2.00	150	N	N	N	<20	150
8MY011N	35 56 14	80 11 2	.20	<.05	.30	>2.00	100	N	N	N	<20	N
8MY012N	35 54 24	80 11 36	.10	<.05	.30	>2.00	100	N	N	N	<20	N
8MY013N	35 53 18	80 13 54	.20	<.05	1.00	>2.00	150	N	N	N	<20	70
8MY014N	35 59 12	80 14 6	.30	<.05	5.00	>2.00	200	N	N	N	<20	50
8MY015N	35 59 39	80 13 47	.30	<.05	7.00	>2.00	300	N	N	N	<20	50
8MY016N	35 58 40	80 10 31	.20	<.05	.70	>2.00	100	N	N	N	<20	50
8MY017N	35 58 59	80 9 41	.30	.10	1.50	>2.00	200	N	N	N	<20	150
8MY018N	35 59 16	80 9 15	.20	<.05	.70	>2.00	100	N	N	N	<20	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-1--Continued						
8HP001N	2	N	N	15	100	10	300	N	100	<10	200
8HP002N	N	N	N	<10	30	10	150	N	70	N	20
8HP003N	N	N	N	200	30	20	150	N	100	20	30
8HP004N	N	N	N	10	30	10	100	N	N	<10	<20
8HP005N	N	N	N	10	20	20	50	N	50	N	20
8HP006N	N	N	200	15	50	20	100	N	70	10	3,000
8HP007N	N	N	N	10	30	20	100	N	70	N	700
8HP008N	N	N	N	20	30	10	70	N	<50	N	50
8HP009N	<2	N	50	10	30	10	70	N	150	<10	100
8HP010N	N	N	70	20	30	1,500	50	N	100	N	1,500
8HP011N	N	N	N	20	30	150	<50	N	50	N	200
8HP012N	N	N	N	15	50	30	<50	N	50	N	200
8HP013N	N	N	N	15	20	50	50	N	100	N	50
8HP014N	N	N	N	50	30	20	150	N	200	N	50
8HP015N	20	N	N	30	20	1,000	70	N	500	10	3,000
8HP016N	<2	N	N	10	30	30	50	N	100	<10	300
8HP017N	N	N	<50	10	30	15	70	N	100	N	500
8HP018N	3	N	70	10	30	20	50	N	150	N	150
8LA011N	N	N	N	50	50	10	100	N	70	<10	<20
8LA012N	N	N	N	70	50	200	N	N	50	20	100
8LA013N	N	N	N	10	30	20	N	N	100	10	20
8LA014N	N	N	N	20	70	150	50	N	70	10	30
8LA015N	N	N	N	10	50	10	50	N	150	10	20
8LA016N	N	N	N	10	30	10	70	N	200	10	3,000
8LA017N	N	N	N	15	30	1,500	<50	N	150	15	200
8LA018N	N	N	N	20	70	10	N	N	100	10	20
8LA019N	<2	N	N	20	200	10	N	N	150	15	<20
8MY001N	<2	N	N	10	30	<10	200	N	100	N	20
8MY002N	5	N	N	10	70	<10	500	30	150	N	30
8MY003N	2	N	N	10	30	N	100	N	70	N	30
8MY004N	N	N	N	10	30	15	150	10	150	N	30
8MY005N	N	N	N	30	50	N	N	N	200	N	<20
8MY005N	N	N	N	10	30	N	N	N	100	N	N
8MY007N	2	N	N	15	30	N	50	N	300	N	200
8MY008N	3	N	N	<10	<20	N	50	N	100	N	20
8MY009N	<2	N	N	<10	20	N	100	N	70	N	30
8MY010N	<2	N	N	<10	20	N	50	N	500	N	30
8MY011N	N	N	N	20	50	<10	N	N	1,000	N	<20
8MY012N	N	N	N	20	70	N	N	N	150	N	100
8MY013N	N	20	N	N	<20	20	70	N	50	N	N
8MY014N	<2	N	N	<10	20	10	200	N	100	N	30
8MY015N	<2	N	N	<10	30	50	300	10	100	N	100
8MY016N	N	30	N	<10	20	10	<50	N	50	N	<20
8MY017N	N	N	N	<10	50	10	200	N	150	N	30
8MY018N	N	N	N	<10	20	N	100	N	100	N	<20

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-1--Continued					
8HP001N	N	50	20	200	200	N	300	N	>2,000	200
8HP002N	N	100	N	200	100	N	300	N	>2,000	N
8HP003N	N	70	500	200	100	N	500	N	>2,000	500
8HP004N	N	150	<20	N	70	N	300	N	>2,000	N
8HP005N	N	200	200	<200	70	N	200	N	>2,000	N
8HP006N	N	30	1,500	200	200	N	300	5,000	>2,000	N
8HP007N	N	50	700	<200	200	N	300	700	>2,000	N
8HP008N	N	100	50	N	100	N	500	N	>2,000	N
8HP009N	N	70	500	N	150	N	500	2,000	>2,000	N
8HP010N	N	150	700	N	100	N	500	5,000	>2,000	N
8HP011N	N	200	200	N	70	N	500	2,000	>2,000	N
8HP012N	N	70	70	N	100	N	300	N	>2,000	N
8HP013N	N	70	20	N	200	N	300	N	>2,000	N
8HP014N	N	70	20	300	200	N	300	N	>2,000	N
8HP015N	N	150	1,000	N	50	N	2,000	N	>2,000	1,000
8HP016N	N	70	70	N	150	N	500	N	>2,000	<200
8HP017N	N	70	150	N	100	N	500	2,000	>2,000	N
8HP018N	N	100	500	N	70	N	1,000	5,000	>2,000	300
8LA011N	N	100	N	N	150	N	500	<500	>2,000	N
8LA012N	N	50	150	N	150	N	300	2,000	>2,000	N
8LA013N	N	10	<20	N	200	N	150	N	>2,000	N
8LA014N	N	50	200	N	150	N	300	N	>2,000	N
8LA015N	N	30	N	N	150	N	300	N	>2,000	N
8LA016N	N	50	N	N	100	N	500	N	>2,000	N
8LA017N	N	20	N	N	100	N	200	N	>2,000	N
8LA018N	N	70	700	N	150	N	300	N	>2,000	N
8LA019N	N	50	N	N	200	N	300	N	>2,000	N
8MY001N	N	50	20	200	150	N	200	N	>2,000	200
8MY002N	N	20	20	300	200	N	200	N	>2,000	<200
8MY003N	N	200	N	<200	70	N	300	N	>2,000	300
8MY004N	N	100	<20	<200	150	N	300	N	>2,000	<200
8MY005N	N	70	20	N	100	N	300	N	>2,000	N
8MY005N	N	20	N	<200	100	N	200	N	>2,000	N
8MY007N	N	100	20	N	150	N	300	N	>2,000	500
8MY008N	N	100	N	N	50	N	200	N	>2,000	300
8MY009N	N	100	N	<200	100	N	200	N	>2,000	300
8MY010N	N	70	20	<200	70	N	200	N	>2,000	200
8MY011N	N	50	30	N	150	N	150	N	>2,000	N
8MY012N	N	50	200	N	150	N	150	N	>2,000	N
8MY013N	N	30	N	N	70	N	200	N	>2,000	N
8MY014N	N	50	20	300	150	N	200	N	>2,000	<200
8MY015N	N	20	20	300	200	N	150	N	>2,000	<200
8MY016N	N	50	N	<200	100	N	300	N	>2,000	N
8MY017N	N	30	<20	500	150	N	200	N	>2,000	N
8MY018N	N	100	N	N	70	N	300	N	>2,000	300

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-1--Continued							
8MY019N	35 59 15	80 9 16	.50	.07	1.50	>2.00	300	N	N	N	<20	70
8MY020N	35 55 43	80 7 45	.10	<.05	.30	>2.00	70	N	N	N	<20	50
8MY021N	35 54 31	80 9 44	.30	.05	.30	>2.00	100	N	N	N	<20	<50
					D-2							
8AV001N	35 52 56	80 27 55	.20	.05	1.00	>2.00	150	N	N	N	<20	50
8AV002N	35 53 3	80 25 44	.50	<.05	10.00	>2.00	200	N	N	N	<20	70
8AV003N	35 54 6	80 24 9	.50	<.05	10.00	>2.00	200	N	N	N	<20	100
8AV004N	35 54 55	80 25 22	.30	.05	7.00	>2.00	300	N	N	N	<20	100
8AV005N	35 58 20	80 27 35	.20	.05	.20	>2.00	100	N	N	N	<20	50
8AV006N	35 59 58	80 26 49	.15	<.05	<.10	>2.00	150	N	N	N	<20	50
8AV007N	35 59 52	80 29 44	.20	.07	<.10	>2.00	50	N	N	N	N	<50
8AV007N	35 59 52	80 29 44	.20	<.05	.70	>2.00	100	N	N	N	N	N
8AV008N	35 56 40	80 29 10	.20	.05	5.00	>2.00	200	N	N	N	20	100
8AV009N	35 53 50	80 28 19	.30	.10	5.00	>2.00	200	N	N	N	<20	70
8AV010N	35 54 15	80 28 43	.15	.05	1.00	1.00	200	N	N	N	20	200
8AV011N	35 56 31	80 28 27	.20	.07	1.50	>2.00	150	N	N	N	<20	50
8AV012N	35 56 33	80 28 30	.10	<.05	1.00	>2.00	150	N	N	N	<20	150
8AV013N	35 58 10	80 26 1	.10	<.05	.70	>2.00	200	N	N	N	<20	100
8AV014N	35 58 14	80 26 3	.10	<.05	2.00	2.00	150	N	N	N	20	150
8AV015N	35 57 27	80 25 18	.20	.05	2.00	>2.00	200	N	N	N	<20	70
8AV017N	35 55 27	80 22 51	.50	.05	7.00	>2.00	300	N	N	N	<20	150
8AV018N	35 58 43	80 23 40	.20	.05	1.50	>2.00	200	N	N	N	<20	100
8CH001N	35 45 51	80 23 44	.30	<.05	.70	1.00	150	N	N	N	20	100
8CH002N	35 45 49	80 23 44	.30	<.05	1.00	2.00	150	N	N	N	20	100
8CH003N	35 45 54	80 22 58	.20	<.05	.20	1.00	150	N	N	N	20	150
8CH004N	35 46 52	80 23 46	.30	<.05	1.00	2.00	500	N	N	N	<20	150
8CH006N	35 45 54	80 22 59	.50	<.05	1.00	2.00	200	N	N	N	20	150
8CH007N	35 47 10	80 26 50	1.50	.05	1.50	2.00	200	N	N	N	<20	500
8CH008N	35 46 50	80 26 27	.30	<.05	1.00	2.00	150	N	N	N	<20	70
8CH009N	35 49 40	80 23 57	.30	<.05	1.00	2.00	150	N	N	N	<20	150
8CH010N	35 49 37	80 23 59	1.00	.05	3.00	>2.00	500	N	N	N	<20	200
8CH011N	35 49 9	80 25 36	1.00	.05	1.00	2.00	200	N	N	N	20	300
8CH012N	35 48 35	80 27 43	.70	<.05	7.00	>2.00	500	N	N	N	<20	100
8CH013N	35 51 26	80 24 40	.20	<.05	1.00	2.00	100	N	N	N	<20	200
8CH014N	35 51 18	80 26 21	.70	<.05	10.00	>2.00	500	N	N	N	<20	700
8CH015N	35 51 17	80 27 28	.30	.07	5.00	>2.00	300	N	N	N	<20	200
8CH016N	35 50 27	80 29 58	.20	<.05	.30	2.00	70	N	N	N	20	70
8CH017N	35 49 58	80 29 59	.20	<.05	.70	2.00	100	N	N	N	20	100
8CH018N	35 48 47	80 29 28	.30	<.05	.70	>2.00	200	N	N	N	20	200
8CH019N	35 48 51	80 29 27	.30	<.05	.50	2.00	100	N	N	N	20	200
8CH020N	35 52 4	80 28 19	.15	.05	.70	>2.00	200	N	N	N	<20	100
8CH022N	35 50 23	80 22 41	.20	<.05	1.50	2.00	200	N	N	N	<20	150
8CH023N	35 49 6	80 22 32	.30	<.05	2.00	2.00	200	N	N	N	<20	70
8WC001N	35 59 13	80 20 58	.70	<.05	10.00	>2.00	500	N	N	N	20	70

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-1--Continued						
8MY019N	N	N	N	<10	50	<10	150	N	150	<10	50
8MY020N	N	N	N	10	70	N	N	N	N	N	N
8MY021N	N	N	N	20	70	N	N	N	50	N	N
					D-2--Continued						
8AV001N	N	20	N	20	150	500	50	<10	100	N	20
8AV002N	N	N	N	<10	20	200	500	<10	100	N	700
8AV003N	<2	N	N	<10	50	20	500	<10	50	N	30
8AV004N	N	N	N	<10	20	700	200	N	70	N	50
8AV005N	N	70	N	20	300	10	N	N	70	N	70
8AV006N	N	N	N	20	150	10	N	N	200	N	20
8AV007N	N	N	N	30	500	N	N	N	70	10	N
8AV007N	N	N	N	20	300	50	N	N	70	N	20
8AV008N	N	N	N	N	20	<10	N	N	N	10	N
8AV009N	N	N	N	10	70	10	70	N	100	10	20
8AV010N	N	N	N	N	N	10	N	N	N	N	<20
8AV011N	N	N	N	20	100	10	N	N	70	N	N
8AV012N	N	N	N	10	N	<10	N	N	50	N	N
8AV013N	N	N	N	20	200	<10	N	N	50	N	20
8AV014N	<2	N	N	15	N	<10	50	N	N	N	30
8AV015N	N	N	N	15	70	<10	<50	N	100	N	<20
8AV017N	<2	N	N	15	50	10	200	N	100	N	50
8AV018N	N	N	N	10	20	<10	N	N	<50	N	N
8CH001N	N	N	N	10	20	<10	100	N	N	N	30
8CH002N	N	N	N	10	20	<10	300	N	<50	N	50
8CH003N	N	N	N	15	30	N	100	N	N	N	30
8CH004N	N	N	N	10	30	<10	200	N	100	N	70
8CH006N	N	N	N	10	30	1,000	300	N	50	N	100
8CH007N	5	N	N	30	20	50	300	N	50	10	70
8CH008N	<2	N	N	<10	20	10	200	N	50	N	30
8CH009N	<2	N	N	<10	30	10	150	N	50	N	30
8CH010N	5	N	N	10	30	10	500	15	50	N	100
8CH011N	2	N	N	10	30	10	200	N	50	N	50
8CH012N	N	N	N	10	30	10	700	20	150	N	30
8CH013N	<2	N	N	10	50	10	150	N	100	N	30
8CH014N	7	N	N	10	30	10	500	10	50	N	150
8CH015N	3	N	N	N	20	<10	300	N	70	N	30
8CH016N	N	N	N	N	30	30	70	N	<50	N	30
8CH017N	N	N	N	N	30	10	100	N	<50	N	20
8CH018N	3	N	N	10	30	10	200	N	150	N	500
8CH019N	2	N	N	10	30	20	100	N	70	N	30
8CH020N	N	N	N	20	100	<10	70	N	1,000	N	20
8CH022N	N	N	N	15	30	<10	200	N	100	N	30
8CH023N	N	N	N	10	20	<10	200	N	100	N	30
8WC001N	2	N	N	<10	70	10	300	10	100	<10	30

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-1--Continued					
8MY019N	N	50	N	N	200	N	300	N	>2,000	200
8MY020N	N	70	20	N	100	N	200	N	>2,000	N
8MY021N	N	50	N	N	100	N	150	N	>2,000	N
					D-2--Continued					
8AV001N	N	20	50	N	200	150	50	N	>2,000	N
8AV002N	N	30	70	700	200	N	150	N	>2,000	N
8AV003N	N	50	20	500	200	N	200	N	>2,000	N
8AV004N	N	100	N	200	100	N	200	700	>2,000	N
8AV005N	N	50	N	N	150	50	150	N	>2,000	N
8AV006N	N	70	N	N	150	N	200	N	>2,000	N
8AV007N	N	N	N	N	200	200	50	N	>2,000	N
8AV007N	N	20	N	N	200	N	100	N	>2,000	N
8AV008N	N	70	N	<200	100	N	200	N	>2,000	N
8AV009N	N	50	N	500	150	N	100	N	>2,000	N
8AV010N	N	100	N	N	50	N	300	1,000	>2,000	N
8AV011N	N	50	N	N	100	N	150	500	>2,000	N
8AV012N	N	150	70	N	70	N	300	1,000	>2,000	N
8AV013N	N	70	20	N	150	N	200	N	>2,000	N
8AV014N	N	>200	N	<200	50	N	300	N	>2,000	N
8AV015N	N	70	N	N	100	N	150	N	>2,000	N
8AV017N	N	100	<20	300	150	N	200	N	>2,000	N
8AV018N	N	100	N	N	100	N	300	N	>2,000	N
8CH001N	N	150	N	<200	50	N	300	N	>2,000	500
8CH002N	N	150	N	<200	100	N	500	N	>2,000	300
8CH003N	N	200	N	<200	50	N	500	N	>2,000	700
8CH004N	N	150	100	200	100	N	300	N	>2,000	300
8CH006N	N	200	50	200	70	N	500	N	>2,000	700
8CH007N	N	70	20	500	100	N	300	N	>2,000	300
8CH008N	N	100	N	<200	100	N	300	N	>2,000	300
8CH009N	N	100	N	<200	100	N	500	N	>2,000	500
8CH010N	N	500	30	700	150	N	200	N	>2,000	200
8CH011N	N	100	N	500	100	N	300	N	>2,000	300
8CH012N	N	20	50	500	200	N	300	N	>2,000	200
8CH013N	N	100	20	200	100	N	500	N	>2,000	500
8CH014N	N	15	70	1,500	200	N	200	N	>2,000	<200
8CH015N	N	<10	20	500	150	N	100	N	>2,000	N
8CH016N	N	70	20	<200	70	N	500	N	>2,000	<200
8CH017N	N	70	N	<200	70	N	300	N	>2,000	<200
8CH018N	N	150	1,000	300	100	N	300	N	>2,000	500
8CH019N	N	100	30	200	70	N	500	N	>2,000	300
8CH020N	N	70	N	<200	100	<100	200	N	>2,000	300
8CH022N	N	100	20	300	100	N	500	N	>2,000	500
8CH023N	N	70	50	200	100	N	300	N	>2,000	200
8WC001N	N	50	N	300	200	N	200	N	>2,000	200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-2--Continued							
8WC002N	35 58 33	80 21 36	1.00	<.05	1.50	>2.00	500	N	N	N	20	70
8WC003N	35 56 20	80 20 59	.15	<.05	1.00	2.00	50	N	N	N	30	100
8WC004N	35 57 22	80 19 46	.20	<.05	.15	>2.00	150	N	N	N	<20	70
8WC005N	35 57 31	80 19 41	.20	.05	5.00	>2.00	200	N	N	N	20	100
8WC006N	35 58 31	80 19 20	.30	.10	2.00	>2.00	500	N	N	N	20	70
8WC007N	35 58 22	80 17 28	.20	<.05	2.00	2.00	300	N	N	N	20	50
8WC007N	35 58 28	80 19 56	.10	.07	1.00	>2.00	150	N	N	N	20	100
8WC008N	35 58 59	80 16 28	.10	<.05	1.50	2.00	150	N	N	N	<20	100
8WC009N	35 57 56	80 16 17	.20	<.05	3.00	>2.00	500	N	N	N	<20	100
8WC010N	35 57 36	80 16 3	.10	<.05	.30	.70	100	N	N	N	<20	200
8WC011N	35 56 8	80 15 55	.10	<.05	.30	2.00	100	N	N	N	20	100
8WC012N	35 56 11	80 15 56	.10	<.05	1.50	1.00	100	N	N	N	20	150
8WC013N	35 54 50	80 15 55	.10	<.05	.30	.70	50	N	N	N	20	200
8WC014N	35 54 46	80 15 55	.15	<.05	.50	1.00	70	N	N	N	20	200
8WC015N	35 53 8	80 15 59	.10	<.05	1.00	>2.00	200	N	N	N	20	500
8WC016N	35 52 46	80 15 31	.20	<.05	1.00	>2.00	300	N	N	N	<20	200
8WC017N	35 52 31	80 16 6	.15	<.05	.50	.70	100	N	N	N	20	100
8WC018N	35 56 11	80 18 2	.50	.05	7.00	>2.00	500	N	N	N	<20	100
8WC019N	35 56 13	80 18 4	.20	<.05	.30	>2.00	100	N	N	N	20	100
8WC020N	35 54 26	80 19 6	.20	.05	2.00	2.00	200	N	N	N	20	300
8WC021N	35 54 15	80 18 22	.20	<.05	5.00	>2.00	500	N	N	N	20	100
8WC022N	35 52 50	80 20 59	.50	.05	7.00	>2.00	500	N	N	N	<20	100
8WC023N	35 52 51	80 21 1	.30	<.05	1.50	>2.00	150	N	N	N	20	500
8WC024N	35 54 44	80 21 21	.15	<.05	1.00	1.50	150	N	N	N	20	150
8WC025N	35 54 54	80 21 2	.20	.05	1.00	>2.00	100	N	N	N	30	700
8WC026N	35 55 8	80 20 37	.15	<.05	1.00	1.00	70	N	N	N	20	70
8WC027N	35 54 33	80 19 33	.20	<.05	.70	>2.00	100	N	N	N	20	<50
8WC028N	35 59 8	80 16 28	.50	.05	5.00	>2.00	500	N	N	N	20	50
8WC030N	35 57 32	80 15 13	.30	.05	7.00	>2.00	500	N	N	N	20	100
					D-3							
8CM002N	35 48 53	80 33 57	.50	.05	1.00	>2.00	200	N	N	N	50	50
8CM003N	35 48 11	80 32 16	.70	.05	2.00	>2.00	300	N	N	N	30	100
8CM004N	35 46 55	80 34 20	.50	.05	.50	>2.00	150	N	N	N	30	<50
8CM005N	35 47 11	80 34 56	.30	<.05	.20	>2.00	150	N	N	N	30	N
8CM006N	35 45 38	80 33 15	.20	<.05	.70	>2.00	200	N	N	N	30	100
8CM008N	35 52 2	80 36 0	.50	.07	.70	>2.00	200	N	N	N	30	<50
8CM008N	35 52 2	80 36 0	10.00	5.00	10.00	1.00	3,000	N	N	N	100	50
8CM010N	35 45 35	80 30 59	.70	<.05	10.00	>2.00	300	N	N	N	30	200
8CM011N	35 50 23	80 34 11	.20	<.05	1.00	>2.00	150	N	N	N	50	N
8CM011N	35 50 23	80 34 11	.20	<.05	.70	>2.00	100	N	N	N	50	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-2--Continued						
8WC002N	N	N	N	10	70	10	300	10	100	<10	30
8WC003N	N	N	N	10	20	10	50	N	150	<10	20
8WC004N	N	N	N	10	100	N	700	15	300	<10	20
8WC005N	N	N	N	<10	70	10	150	N	200	<10	20
8WC006N	3	N	N	10	70	<10	150	10	300	10	20
8WC007N	N	N	N	<10	50	10	200	N	50	<10	30
8WC007N	5	N	N	<10	30	10	70	N	<50	<10	20
8WC008N	N	N	N	<10	20	10	150	N	N	<10	30
8WC009N	2	N	N	<10	50	10	300	N	150	<10	30
8WC010N	N	N	N	<10	30	10	<50	N	N	N	20
8WC011N	N	N	N	<10	20	<10	50	N	<50	N	30
8WC012N	N	N	N	20	30	30	50	N	N	N	20
8WC013N	<2	N	N	10	30	<10	50	N	N	N	70
8WC014N	<2	N	N	10	20	<10	70	N	N	N	50
8WC015N	5	N	N	<10	30	10	150	N	150	<10	30
8WC016N	N	N	N	20	100	<10	70	N	100	10	30
8WC017N	3	N	N	<10	<20	10	50	N	N	<10	30
8WC018N	2	N	N	10	100	10	300	15	200	<10	30
8WC019N	N	N	N	10	20	<10	70	N	300	N	30
8WC020N	2	N	N	10	30	20	200	N	70	<10	200
8WC021N	<2	N	N	<10	30	10	200	N	100	<10	50
8WC022N	N	N	N	10	50	20	300	15	100	10	30
8WC023N	3	N	N	<10	30	10	200	15	70	<10	700
8WC024N	N	N	N	10	<20	10	200	N	50	<10	20
8WC025N	5	N	N	10	50	10	150	N	150	<10	50
8WC026N	<2	N	N	<10	20	20	50	N	N	<10	30
8WC027N	2	N	N	<10	30	10	150	N	100	<10	30
8WC028N	3	N	N	10	200	<10	500	10	150	<10	50
8WC030N	3	N	N	<10	70	10	300	10	100	10	30
					D-3--Continued						
8CM002N	N	N	N	N	100	20	70	N	N	N	100
8CM003N	N	N	N	N	500	150	N	N	N	N	100
8CM004N	N	N	N	15	500	10	N	N	N	N	20
8CM005N	N	N	N	10	200	200	100	N	70	N	30
8CM006N	N	N	N	N	70	<10	100	N	N	N	30
8CM008N	N	N	N	10	70	100	100	N	N	N	30
8CM008N	N	N	N	50	300	20	<50	N	N	100	30
8CM010N	N	N	N	10	100	<10	1,000	15	70	N	50
8CM011N	N	N	N	<10	150	10	N	N	N	N	<20
8CM011N	N	N	N	10	100	10	200	N	70	<10	<20

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
				D-2--Continued						
8WC002N	N	70	N	200	200	N	200	N	>2,000	300
8WC003N	N	200	N	N	50	N	300	500	>2,000	500
8WC004N	N	70	50	N	150	N	200	N	>2,000	300
8WC005N	N	30	20	700	100	N	200	N	>2,000	<200
8WC006N	N	30	20	<200	150	N	200	N	>2,000	N
8WC007N	N	100	N	200	150	N	300	N	>2,000	300
8WC007N	N	150	N	<200	100	N	200	N	>2,000	200
8WC008N	N	150	N	N	70	N	300	N	>2,000	500
8WC009N	N	70	N	200	150	N	200	N	>2,000	<200
8WC010N	N	200	N	<200	50	N	300	700	>2,000	700
8WC011N	N	200	N	N	70	N	200	N	>2,000	500
8WC012N	N	200	N	<200	70	N	200	N	>2,000	500
8WC013N	N	>200	N	<200	50	N	500	N	>2,000	500
8WC014N	N	200	N	<200	50	N	500	N	>2,000	700
8WC015N	N	150	N	<200	150	N	500	N	>2,000	500
8WC016N	N	100	N	<200	200	N	300	N	>2,000	200
8WC017N	N	200	N	N	50	N	500	N	>2,000	500
8WC018N	N	10	N	300	200	N	200	N	>2,000	<200
8WC019N	N	>200	N	<200	100	N	500	N	>2,000	300
8WC020N	N	150	N	300	150	N	300	N	>2,000	500
8WC021N	N	100	N	300	150	N	300	N	>2,000	500
8WC022N	N	50	20	300	200	N	300	N	N	N
8WC023N	N	100	N	300	150	N	300	N	>2,000	300
8WC024N	N	200	N	<200	100	N	500	N	>2,000	500
8WC025N	N	150	N	500	100	N	200	N	>2,000	300
8WC026N	N	150	N	<200	50	N	500	N	>2,000	500
8WC027N	N	100	200	N	100	N	200	N	>2,000	200
8WC028N	N	20	20	300	200	N	300	N	>2,000	<200
8WC030N	N	20	20	300	200	N	300	N	>2,000	N
				D-3--Continued						
8CM002N	N	50	500	N	200	N	1,000	N	>2,000	N
8CM003N	N	10	N	<200	200	N	150	N	>2,000	N
8CM004N	N	10	50	N	200	N	70	N	>2,000	N
8CM005N	N	50	70	N	200	N	500	N	>2,000	700
8CM006N	N	70	N	<200	150	N	500	N	>2,000	200
8CM008N	N	50	N	<200	150	N	300	N	>2,000	200
8CM008N	N	50	N	700	700	N	70	N	1,500	N
8CM010N	N	20	70	500	300	N	500	N	>2,000	<200
8CM011N	N	30	20	<200	150	N	500	N	>2,000	N
8CM011N	N	30	N	N	150	N	500	N	>2,000	200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-3--Continued							
8CM013N	35 50 21	80 34 22	.20	<.05	.70	>2.00	150	N	N	N	50	N
8CM014N	35 51 17	80 34 29	.30	.07	15.00	2.00	500	N	N	N	<20	N
8CM015N	35 50 41	80 35 1	.20	<.05	.70	>2.00	100	N	N	N	20	<50
8CM016N	35 50 52	80 34 35	.20	<.05	1.00	>2.00	200	N	N	N	50	N
8CM019N	35 50 35	80 34 27	.15	<.05	.20	>2.00	150	N	N	N	30	N
8CM020N	35 50 37	80 34 26	1.00	<.05	.20	>2.00	300	N	N	N	100	N
8MK001N	35 53 20	80 32 31	.20	.05	.70	>2.00	200	N	N	N	20	70
8MK002N	35 54 11	80 35 30	.20	.05	.30	>2.00	100	N	N	N	20	70
8MK003N	35 54 10	80 35 27	.15	<.05	.30	>2.00	50	N	N	N	20	70
8MK004N	35 52 56	80 34 38	.20	<.05	.30	>2.00	100	N	N	N	20	70
8MK005N	35 54 44	80 33 32	.50	.07	2.00	>2.00	500	N	N	N	30	100
8MK006N	35 55 23	80 33 21	.30	.10	3.00	>2.00	500	N	N	N	20	50
8MK007N	35 56 18	80 34 23	1.00	.10	2.00	>2.00	150	N	N	N	20	50
8MK008N	35 56 31	80 36 48	.50	.05	.70	>2.00	150	N	N	N	20	<50
8MK009N	35 56 30	80 37 14	.20	.05	.20	>2.00	70	N	N	50	20	70
8MK010N	35 57 49	80 35 1	.20	.05	.50	>2.00	100	N	N	N	20	50
8MK011N	35 56 55	80 33 7	.20	.07	1.00	>2.00	150	N	N	N	20	70
8MK012N	35 59 22	80 33 16	.70	.07	15.00	>2.00	1,500	N	N	N	20	70
8MK013N	35 58 39	80 34 58	.15	<.05	.30	2.00	100	N	N	N	20	100
8MK014N	35 59 10	80 35 37	.30	.05	1.50	>2.00	200	N	N	N	20	70
8MK015N	35 53 12	80 30 48	.20	<.05	1.00	>2.00	150	N	N	N	20	50
8MK016N	35 57 13	80 30 18	.50	.05	.30	>2.00	100	N	N	N	70	N
8MK017N	35 59 5	80 31 32	1.00	.10	5.00	>2.00	500	N	N	N	20	50
8MK018N	35 57 49	80 31 29	50.00	.15	10.00	.70	200	N	N	N	<20	N
8MK019N	35 59 41	80 37 15	1.00	.10	.50	>2.00	100	N	N	50	30	150
9CL001N	35 52 55	80 41 38	.50	<.05	<.10	>2.00	50	N	N	N	20	N
9CL002N	35 52 58	80 41 0	.50	<.05	N	>2.00	70	N	N	N	20	50
9CL003N	35 54 21	80 38 2	.70	.05	1.00	>2.00	100	N	N	N	20	70
9CL004N	35 54 23	80 37 56	.70	.05	1.00	>2.00	150	N	N	N	20	70
9CL005N	35 54 48	80 39 17	.50	.05	.30	>2.00	100	N	N	N	20	100
9CL007N	35 53 32	80 44 29	.20	.05	.50	2.00	100	N	N	N	20	100
9CL008N	35 53 31	80 44 27	.20	.05	1.50	>2.00	150	N	N	N	20	70
9CL009N	35 54 11	80 44 12	.20	.05	.70	>2.00	70	N	N	N	20	100
9CL010N	35 55 6	80 44 48	.20	.05	1.00	>2.00	100	N	N	N	20	70
9CL011N	35 55 9	80 44 54	.20	<.05	1.00	>2.00	150	N	N	N	20	50
9CL012N	35 55 11	80 41 36	.30	.05	1.00	>2.00	70	N	N	N	20	70
9CL013N	35 55 55	80 41 50	.30	.05	.20	>2.00	50	N	N	N	30	50
9CL014N	35 56 39	80 42 57	.20	.05	.30	>2.00	70	N	N	N	20	50
9CL015N	35 56 48	80 43 38	.20	<.05	.10	>2.00	200	N	N	N	20	100
9CL016N	35 58 13	80 42 17	.50	.07	.70	>2.00	100	N	N	N	50	100
9CL017N	35 58 10	80 42 18	.50	.05	1.00	>2.00	200	N	N	N	30	70
9CL018N	35 58 37	80 42 45	.20	.05	1.00	>2.00	100	N	N	N	30	150
9CL019N	35 58 43	80 43 38	.30	.10	2.00	>2.00	150	N	N	N	100	100
9CL020N	35 59 26	80 43 40	.50	.10	2.00	>2.00	200	N	N	N	100	100
9CL021N	35 55 14	80 39 21	.15	.05	.10	>2.00	50	N	N	N	<20	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-3--Continued						
8CM013N	N	N	N	15	150	<10	200	N	<50	N	<20
8CM014N	N	N	N	<10	20	<10	500	N	N	N	20
8CM015N	N	N	N	10	30	<10	200	N	50	<10	<20
8CM016N	N	N	N	10	70	N	200	N	<50	N	20
8CM019N	N	N	N	15	100	30	200	N	<50	N	<20
8CM020N	N	N	N	15	100	10	1,000	N	200	<10	70
8MK001N	N	N	N	N	N	N	70	N	N	N	20
8MK002N	N	N	N	N	70	N	N	N	N	N	20
8MK003N	N	N	N	N	50	N	N	N	N	N	<20
8MK004N	2	N	N	N	20	<10	70	N	N	N	150
8MK005N	N	200	N	N	100	N	200	N	70	N	100
8MK006N	N	N	N	N	100	N	150	N	<50	N	50
8MK007N	N	N	N	50	150	100	N	20	N	N	300
8MK008N	N	N	N	20	70	50	N	N	<50	N	20
8MK009N	N	N	N	<10	70	<10	50	N	50	N	N
8MK010N	N	N	N	N	50	<10	<50	N	N	N	20
8MK011N	N	N	N	<10	200	500	N	N	N	N	20
8MK012N	5	N	N	20	70	<10	1,000	20	70	N	30
8MK013N	N	N	N	N	30	20	N	N	N	N	20
8MK014N	N	N	N	15	50	<10	150	N	50	N	30
8MK015N	N	N	N	10	50	<10	N	N	N	N	30
8MK016N	N	N	N	50	1,000	N	N	N	N	N	N
8MK017N	N	N	N	30	200	100	70	N	N	N	200
8MK018N	N	N	N	2,000	20	1,000	100	N	N	1,500	200
8MK019N	N	N	N	30	100	10	N	N	50	N	100
9CL001N	N	N	N	20	200	N	100	N	100	N	150
9CL002N	7	N	N	20	300	<10	50	N	300	N	20
9CL003N	5	N	N	15	100	<10	<50	N	50	N	1,500
9CL004N	30	N	N	20	100	<10	100	N	100	N	<20
9CL005N	3	N	N	15	100	<10	50	N	70	N	30
9CL007N	5	N	N	N	20	<10	50	N	N	N	30
9CL008N	N	N	N	N	20	<10	50	N	N	N	50
9CL009N	20	N	N	N	20	<10	70	N	N	N	30
9CL010N	N	N	N	N	20	200	70	N	N	N	30
9CL011N	N	N	N	N	70	<10	70	N	N	N	30
9CL012N	N	N	N	N	100	<10	50	N	50	N	30
9CL013N	100	N	N	N	200	<10	200	N	50	N	30
9CL014N	3	N	N	N	150	20	70	N	<50	N	30
9CL015N	2	N	N	N	30	10	100	N	N	N	30
9CL016N	N	N	N	N	150	N	100	N	500	N	<20
9CL017N	3	N	N	N	200	<10	300	N	200	N	70
9CL018N	5	N	N	N	50	20	150	N	50	N	30
9CL019N	N	N	N	N	150	N	100	N	300	N	20
9CL020N	5	N	N	N	100	<10	100	N	200	N	50
9CL021N	N	1,000	N	N	50	<10	50	N	N	N	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-3--Continued					
8CM013N	N	50	N	N	100	N	500	N	>2,000	<200
8CM014N	N	10	N	500	100	N	300	N	>2,000	N
8CM015N	N	20	N	<200	100	N	300	N	>2,000	<200
8CM016N	N	30	N	<200	100	N	500	N	>2,000	200
8CM019N	N	N	N	N	150	N	500	N	>2,000	200
8CM020N	N	10	N	N	100	N	700	N	>2,000	500
8MK001N	N	100	200	N	150	N	1,000	N	>2,000	200
8MK002N	N	100	30	N	200	N	700	N	>2,000	<200
8MK003N	N	100	N	N	150	N	700	N	>2,000	300
8MK004N	N	200	200	N	200	N	1,000	N	>2,000	2,000
8MK005N	N	50	150	N	300	N	700	500	>2,000	500
8MK006N	N	50	30	<200	300	N	500	N	>2,000	<200
8MK007N	N	70	70	<200	300	N	700	N	>2,000	2,000
8MK008N	N	50	<20	N	500	N	300	N	>2,000	<200
8MK009N	N	100	N	N	300	N	700	N	>2,000	N
8MK010N	N	100	N	N	200	N	700	N	>2,000	<200
8MK011N	N	50	500	<200	150	N	500	N	>2,000	N
8MK012N	N	30	70	<200	500	N	1,000	N	>2,000	N
8MK013N	N	100	N	N	100	N	700	N	>2,000	<200
8MK014N	N	100	100	N	300	N	700	N	>2,000	500
8MK015N	N	50	150	N	200	N	700	N	>2,000	N
8MK016N	N	20	N	N	200	N	100	N	2,000	N
8MK017N	N	30	500	200	200	N	300	N	>2,000	N
8MK018N	N	<10	N	200	50	N	100	N	>2,000	N
8MK019N	N	70	300	N	200	N	500	N	>2,000	N
9CL001N	N	100	N	N	500	N	500	N	>2,000	N
9CL002N	N	30	50	N	500	N	200	N	>2,000	N
9CL003N	N	50	N	<200	300	N	300	3,000	>2,000	N
9CL004N	N	50	2,000	N	300	N	700	N	>2,000	N
9CL005N	N	150	100	200	300	N	700	N	>2,000	N
9CL007N	N	200	N	N	100	N	1,500	N	>2,000	200
9CL008N	N	>200	N	N	150	N	1,500	N	>2,000	<200
9CL009N	N	150	N	N	150	N	1,500	N	>2,000	300
9CL010N	N	150	N	N	150	N	1,500	N	>2,000	200
9CL011N	N	200	N	N	300	N	1,500	N	>2,000	200
9CL012N	N	200	150	N	200	N	1,000	N	>2,000	N
9CL013N	N	100	N	N	500	N	700	N	>2,000	N
9CL014N	N	200	N	N	300	N	1,000	N	>2,000	N
9CL015N	N	>200	N	<200	150	N	1,500	N	>2,000	N
9CL016N	N	30	50	N	200	N	300	N	>2,000	500
9CL017N	N	>200	500	<200	300	N	1,000	N	>2,000	500
9CL018N	N	200	N	<200	200	N	1,500	N	>2,000	3,000
9CL019N	N	70	50	N	200	N	700	N	>2,000	500
9CL020N	N	70	70	N	200	N	500	N	>2,000	500
9CL021N	N	150	N	N	150	N	1,000	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-3--Continued							
9CL022N	35 56 1	80 39 46	.20	.05	.10	>2.00	100	N	N	N	20	100
9CL023N	35 59 39	80 44 9	.50	.05	1.00	>2.00	100	N	N	N	30	100
9CL024N	35 58 36	80 39 31	3.00	.10	1.00	>2.00	150	N	N	N	50	150
9CL025N	35 58 33	80 39 41	2.00	.05	.10	>2.00	150	7	N	>1,000	30	100
9CL026N	35 58 0	80 39 51	.70	.05	.20	>2.00	150	N	N	N	30	50
9CL027N	35 57 19	80 38 41	.70	.05	.10	>2.00	150	N	N	N	30	70
9CL028N	35 57 27	80 38 28	.50	.07	1.00	>2.00	200	N	N	N	20	70
9CL029N	35 59 56	80 38 40	1.00	.10	.10	>2.00	150	N	N	N	30	500
9CL030N	35 57 28	80 37 36	.20	<.05	.15	>2.00	50	N	N	30	20	70
9CL031N	35 56 16	80 37 52	.50	.05	.50	>2.00	100	N	N	N	20	70
9CX001N	35 45 38	80 37 40	.70	<.05	.70	>2.00	150	N	N	N	<20	70
9CX002N	35 45 12	80 38 31	.30	<.05	.70	>2.00	150	N	N	N	<20	50
9CX003N	35 51 41	80 38 53	.10	<.05	<.10	>2.00	70	N	N	N	<20	50
9CX004N	35 50 45	80 39 28	.15	<.05	.15	>2.00	50	N	N	N	<20	100
9CX005N	35 50 14	80 37 44	.10	<.05	.10	>2.00	50	N	N	N	<20	100
9CX006N	35 48 55	80 37 46	.10	<.05	.10	>2.00	50	N	N	N	<20	70
9CX007N	35 47 56	80 38 30	.15	<.05	.30	>2.00	100	N	N	N	<20	70
9CX008N	35 47 6	80 40 37	.10	.05	.20	>2.00	50	N	N	N	20	70
9CX009N	35 46 18	80 40 55	.10	<.05	.50	>2.00	50	N	N	N	20	70
9CX010N	35 46 37	80 39 30	.10	.05	.50	>2.00	70	N	N	N	20	50
9CX011N	35 47 7	80 42 23	.10	<.05	.15	>2.00	70	N	N	N	<20	70
9CX012N	35 46 59	80 43 8	.10	<.05	.20	>2.00	70	N	N	20	<20	70
9CX013N	35 47 3	80 43 14	.10	<.05	.50	>2.00	70	3	N	<20	20	50
9CX014N	35 46 20	80 43 34	.20	<.05	.50	>2.00	100	N	N	N	<20	<50
9CX015N	35 50 38	80 40 59	.10	<.05	<.10	>2.00	20	N	N	N	<20	<50
9CX016N	35 52 6	80 43 13	.50	.05	.15	>2.00	50	N	N	N	<20	<50
9CX017N	35 50 26	80 43 1	.20	.05	<.10	>2.00	70	N	N	N	30	50
9CX018N	35 47 57	80 39 30	.15	<.05	.10	>2.00	30	N	N	N	<20	100
9CX019N	35 48 26	80 39 25	.20	<.05	.10	2.00	20	N	N	N	<20	100
9CX020N	35 49 26	80 39 23	.20	.05	.10	>2.00	100	N	N	N	<20	N
9CX021N	35 50 24	80 39 31	.10	<.05	.10	>2.00	50	N	N	N	<20	50
9CX022N	35 49 31	80 40 13	.10	.05	.50	>2.00	100	N	N	30	<20	N
9CX023N	35 47 58	80 41 16	.10	<.05	.10	>2.00	50	N	N	20	<20	100
9CX024N	35 49 10	80 41 29	.10	<.05	<.10	>2.00	20	N	N	<20	<20	N
9CX025N	35 47 48	80 41 46	.10	<.05	.10	>2.00	20	N	N	N	<20	50
9CX026N	35 49 55	80 43 11	.15	<.05	.10	>2.00	50	N	N	N	<20	50
					D-5							
9HD001N	35 53 43	81 5 44	<.10	<.05	.15	>2.00	20	N	N	N	50	N
9HD002N	35 53 15	81 5 52	<.10	<.05	N	>2.00	<20	N	N	N	50	N
9HD003N	35 53 8	81 6 43	<.10	<.05	N	>2.00	20	N	N	N	30	N
9HD004N	35 54 50	81 5 25	N	<.05	.10	>2.00	30	N	N	N	30	N
9HD005N	35 54 56	81 5 26	.50	<.05	.10	>2.00	20	N	N	N	50	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-3--Continued						
9CL022N	N	20	N	N	100	<10	200	N	50	N	50
9CL023N	N	N	N	N	100	200	300	N	200	N	30
9CL024N	7	N	N	100	300	1,500	70	N	150	N	500
9CL025N	N	N	N	150	300	500	500	N	150	N	100
9CL026N	10	N	N	20	300	20	<50	N	200	N	30
9CL027N	N	N	N	20	200	20	100	N	100	N	200
9CL028N	N	N	N	30	70	100	50	N	50	N	20
9CL029N	3	N	N	20	70	10	70	N	150	N	100
9CL030N	N	N	N	15	50	<10	500	N	100	N	30
9CL031N	N	N	N	50	150	10	150	N	70	N	100
9CX001N	N	N	N	20	100	500	70	15	500	N	20
9CX002N	N	N	N	10	50	15	100	N	<50	N	<20
9CX003N	<2	N	N	15	100	N	100	N	200	N	30
9CX004N	5	N	N	10	50	20	N	N	70	N	<20
9CX005N	N	N	N	15	50	<10	N	N	50	N	<20
9CX006N	N	N	N	20	70	10	N	N	<50	N	20
9CX007N	N	N	N	15	50	10	N	N	<50	N	<20
9CX008N	N	N	N	15	50	10	N	N	<50	N	20
9CX009N	N	N	N	10	50	10	<50	N	<50	N	<20
9CX010N	N	N	N	20	200	<10	N	N	70	N	N
9CX011N	N	N	N	10	30	<10	N	N	70	N	700
9CX012N	N	N	N	15	50	<10	<50	N	100	N	<20
9CX013N	N	N	N	20	100	<10	<50	N	50	N	<20
9CX014N	N	N	N	20	100	15	<50	N	50	N	70
9CX015N	N	N	N	20	100	<10	N	N	50	N	<20
9CX016N	3	N	N	70	200	150	<50	N	150	10	N
9CX017N	10	N	N	15	200	20	N	N	300	N	N
9CX018N	N	N	N	20	30	10	N	N	<50	N	N
9CX019N	N	N	N	30	30	<10	N	N	N	N	N
9CX020N	N	N	N	20	100	<10	N	N	N	N	N
9CX021N	N	N	N	30	70	15	N	N	<50	N	N
9CX022N	N	N	N	30	100	10	50	N	50	N	20
9CX023N	N	N	N	15	30	<10	<50	N	50	N	20
9CX024N	N	N	N	20	100	300	N	N	50	N	<20
9CX025N	N	N	N	20	70	30	N	N	70	N	70
9CX026N	N	N	N	20	70	10	N	N	50	N	<20
					D-5--Continued						
9HD001N	200	N	N	N	100	N	1,500	N	50	<10	100
9HD002N	100	N	N	N	100	N	700	N	70	<10	<20
9HD003N	100	N	N	N	50	N	N	N	<50	<10	<20
9HD004N	1,000	N	N	N	100	N	N	N	50	<10	20
9HD005N	70	N	N	15	50	<10	300	N	50	<10	30

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-3--Continued					
9CL022N	N	70	100	1,000	150	N	500	N	>2,000	N
9CL023N	N	70	1,000	<200	300	N	700	N	>2,000	5,000
9CL024N	N	70	700	N	300	N	700	N	>2,000	500
9CL025N	N	70	500	1,000	300	<100	300	N	>2,000	<200
9CL026N	N	20	20	200	300	N	150	N	>2,000	N
9CL027N	N	30	100	300	300	N	200	1,500	>2,000	N
9CL028N	N	100	70	N	300	N	700	N	>2,000	<200
9CL029N	N	70	<20	<200	200	N	1,000	N	>2,000	1,500
9CL030N	N	100	50	N	500	N	700	N	>2,000	N
9CL031N	N	70	300	200	300	N	500	700	>2,000	N
9CX001N	N	70	70	N	200	N	300	N	>2,000	200
9CX002N	N	70	N	N	150	N	300	N	>2,000	N
9CX003N	N	100	N	N	200	N	200	N	>2,000	N
9CX004N	N	100	N	N	150	N	200	N	>2,000	N
9CX005N	N	100	N	N	150	N	200	N	>2,000	<200
9CX006N	N	100	150	N	150	N	200	N	>2,000	N
9CX007N	N	100	N	N	100	N	200	N	>2,000	N
9CX008N	N	100	N	N	150	N	300	N	>2,000	<200
9CX009N	N	100	N	N	100	N	200	N	>2,000	200
9CX010N	N	10	N	200	200	N	50	N	>2,000	N
9CX011N	N	70	N	N	100	N	200	N	>2,000	N
9CX012N	N	70	N	N	150	N	200	N	>2,000	N
9CX013N	N	70	50	N	150	N	200	N	>2,000	N
9CX014N	N	20	N	<200	150	N	150	N	>2,000	N
9CX015N	N	100	N	N	150	N	200	N	>2,000	N
9CX016N	N	30	N	N	200	N	100	N	>2,000	N
9CX017N	N	30	N	N	200	N	100	N	>2,000	N
9CX018N	N	70	70	N	100	N	200	N	>2,000	N
9CX019N	N	100	N	N	70	N	300	N	>2,000	N
9CX020N	N	70	N	N	150	N	150	N	>2,000	N
9CX021N	N	100	N	N	100	N	200	N	>2,000	N
9CX022N	N	30	50	N	150	N	100	N	>2,000	N
9CX023N	N	100	<20	N	100	N	300	N	>2,000	N
9CX024N	N	70	N	N	200	N	200	N	>2,000	N
9CX025N	N	70	N	N	200	N	200	N	>2,000	N
9CX026N	N	100	N	N	200	N	300	N	>2,000	N
					D-5--Continued					
9HD001N	N	20	200	N	150	N	200	N	>2,000	N
9HD002N	N	10	N	N	150	N	150	N	>2,000	N
9HD003N	N	10	N	N	150	N	200	N	>2,000	N
9HD004N	N	50	300	N	200	N	500	N	>2,000	N
9HD005N	N	30	20	N	200	N	500	N	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-5--Continued							
9HD006N	35 55 15	81 6 29	<.10	<.05	.10	>2.00	20	N	N	N	20	N
9HD007N	35 53 56	81 2 43	<.10	<.05	N	>2.00	20	N	N	N	30	N
9HD009N	35 55 54	81 3 27	<.10	<.05	<.10	>2.00	50	N	N	N	100	N
9HD010N	35 56 18	81 3 13	<.10	<.05	<.10	>2.00	30	N	N	N	20	N
9HD011N	35 56 14	81 3 14	<.10	<.05	.10	>2.00	30	N	N	N	150	N
9HD012N	35 57 1	81 3 16	.10	<.05	N	>2.00	20	N	N	N	30	N
9ME001N	35 45 0	81 15 0	N	<.05	<.10	>2.00	<20	N	N	N	20	N
9ME001N	35 45 0	81 15 0	.20	<.05	.10	2.00	50	N	N	N	20	<50
9ME002N	35 45 12	81 12 59	N	<.05	.15	>2.00	20	N	N	N	20	N
9ME002N	35 45 12	81 12 59	.20	<.05	.10	2.00	30	N	N	N	50	N
9ME003N	35 46 37	81 12 35	N	<.05	.10	>2.00	20	N	N	N	20	<50
9ME003N	35 46 37	81 12 35	.20	<.05	.20	2.00	30	N	N	N	20	N
9ME004N	35 46 18	81 11 13	N	<.05	N	>2.00	20	N	N	N	20	N
9ME004N	35 46 18	81 11 13	.15	<.05	.30	2.00	50	15	N	50	20	<50
9ME005N	35 46 22	81 11 22	.10	<.05	.30	1.50	50	7	N	50	<20	50
9ME006N	35 48 6	81 10 13	.15	<.05	.30	>2.00	70	N	N	N	20	<50
9ME007N	35 48 3	81 10 11	.10	<.05	.15	>2.00	50	N	N	N	<20	50
9ME008N	35 45 27	81 9 53	.10	<.05	.15	>2.00	50	N	N	N	<20	50
9ME009N	35 48 5	81 9 11	.10	<.05	.30	>2.00	30	N	N	N	20	70
9ME010N	35 46 57	81 9 59	.15	<.05	.20	>2.00	100	N	N	N	<20	N
9SP001N	35 51 46	81 7 5	N	<.05	N	>2.00	<20	N	N	N	50	N
9SP002N	35 51 52	81 7 20	<.10	<.05	N	>2.00	<20	N	N	N	50	N
9TV001N	35 53 43	81 11 4	.20	<.05	.15	>2.00	<20	N	N	N	70	N
9TV002N	35 53 55	81 11 37	.10	<.05	.10	>2.00	<20	N	N	500	70	N
9TV003N	35 52 49	81 13 41	.10	<.05	<.10	>2.00	<20	N	N	N	100	N
9TV004N	35 52 46	81 13 39	.10	<.05	.10	>2.00	20	N	N	N	100	N
9TV005N	35 54 15	81 14 46	.10	<.05	<.10	>2.00	50	N	N	N	70	N
9TV006N	35 54 11	81 14 42	.10	<.05	<.10	>2.00	20	N	N	N	50	N
9TV007N	35 55 23	81 14 6	.10	<.05	.10	>2.00	20	N	N	N	50	N
9TV008N	35 56 10	81 14 45	.10	<.05	.10	>2.00	20	N	N	N	50	<50
9TV009N	35 57 37	81 14 48	.10	<.05	<.10	>2.00	20	N	N	N	150	N
9TV010N	35 58 16	81 13 54	<.10	<.05	N	>2.00	20	N	N	N	50	N
9TV011N	35 58 57	81 13 56	.10	<.05	.15	>2.00	20	N	N	N	30	N
9TV012N	35 58 59	81 13 58	<.10	<.05	.10	>2.00	50	N	N	N	50	N
9TV013N	35 59 3	81 12 33	<.10	<.05	<.10	>2.00	20	N	N	N	200	N
9TV014N	35 53 42	81 9 51	.10	<.05	<.10	>2.00	<20	N	N	N	50	N
9TV015N	35 54 7	81 9 53	<.10	<.05	.10	>2.00	<20	N	N	N	50	N
9TV016N	35 52 43	81 8 14	<.10	<.05	N	>2.00	<20	N	N	N	50	N
					D-6							
9BH001N	35 45 24	81 19 1	.20	<.05	.10	>2.00	70	N	N	N	20	N
9BH002N	35 45 40	81 17 36	.15	<.05	<.10	>2.00	50	N	N	N	30	N
9BH003N	35 45 23	81 15 26	.30	<.05	<.10	>2.00	30	N	N	N	20	N
9BH004N	35 46 52	81 16 46	.10	<.05	<.10	>2.00	50	N	N	N	20	N
9BH005N	35 46 18	81 19 11	.10	<.05	.10	>2.00	50	N	N	N	20	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-5--Continued						
9HD006N	200	N	N	N	70	N	70	N	50	<10	20
9HD007N	30	N	N	N	150	N	N	N	50	<10	<20
9HD009N	300	N	N	N	20	N	500	N	<50	<10	70
9HD010N	100	N	N	N	30	30	50	N	<50	<10	20
9HD011N	2,000	N	N	N	70	<10	150	N	70	<10	50
9HD012N	10	N	N	N	70	<10	2,000	N	50	<10	20
9ME001N	20	N	N	N	150	N	700	N	50	<10	20
9ME001N	20	N	N	<10	150	150	2,000	N	70	N	30
9ME002N	20	N	N	N	200	N	>2,000	N	<50	<10	30
9ME002N	150	N	N	<10	300	15	1,000	N	70	N	30
9ME003N	N	N	N	N	100	<10	1,000	N	50	<10	20
9ME003N	50	N	N	<10	200	10	300	N	70	N	20
9ME004N	N	N	N	N	150	N	500	N	300	<10	20
9ME004N	7	N	N	10	100	N	300	N	150	N	100
9ME005N	N	N	N	<10	30	N	300	N	<50	N	30
9ME006N	30	N	N	<10	150	N	100	N	70	N	20
9ME007N	5	N	N	10	100	N	700	N	100	N	20
9ME008N	N	N	N	15	70	N	70	N	200	N	20
9ME009N	7	N	N	10	100	N	100	N	150	N	20
9ME010N	N	N	N	15	100	N	500	N	200	N	20
9SP001N	2	N	N	N	300	N	200	N	200	<10	N
9SP002N	2	N	N	N	500	N	200	N	150	<10	N
9TV001N	10	N	N	N	100	N	200	N	150	<10	30
9TV002N	10	N	N	N	70	N	1,500	N	70	<10	2,000
9TV003N	10	N	N	N	100	N	2,000	N	70	<10	30
9TV004N	10	N	N	N	50	N	150	N	100	<10	30
9TV005N	5	N	N	N	70	N	300	N	150	<10	30
9TV006N	3	N	N	N	70	N	200	N	70	<10	30
9TV007N	50	N	N	N	70	N	200	N	100	<10	30
9TV008N	15	N	N	N	50	50	2,000	N	<50	<10	30
9TV009N	70	N	N	N	100	N	70	N	100	<10	30
9TV010N	5	N	N	N	30	N	150	N	100	<10	150
9TV011N	3	N	N	N	20	10	150	N	70	<10	50
9TV012N	200	N	N	N	30	N	500	N	100	<10	100
9TV013N	100	N	N	N	100	100	1,000	N	70	<10	30
9TV014N	50	N	N	N	20	10	150	N	150	<10	30
9TV015N	10	N	N	N	150	N	70	N	150	<10	30
9TV016N	30	N	N	N	150	N	100	N	100	<10	20
					D-6--Continued						
9BH001N	20	N	N	20	200	10	50	N	200	N	30
9BH002N	3	N	N	15	150	N	100	N	700	N	<20
9BH003N	20	N	N	20	200	N	50	N	500	N	20
9BH004N	7	N	N	20	200	10	150	N	700	N	70
9BH005N	500	N	N	20	200	N	<50	N	300	N	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-5--Continued					
9HD006N	N	50	70	N	200	N	500	N	>2,000	N
9HD007N	N	20	N	N	300	N	500	N	>2,000	N
9HD009N	N	100	N	N	100	N	1,000	N	>2,000	N
9HD010N	N	50	N	N	150	N	700	N	>2,000	N
9HD011N	N	70	20	N	200	N	700	N	>2,000	N
9HD012N	N	30	70	N	150	N	300	N	>2,000	N
9ME001N	N	30	70	N	150	N	500	N	>2,000	N
9ME001N	N	30	N	N	200	N	300	N	>2,000	700
9ME002N	N	20	20	N	200	N	700	N	>2,000	500
9ME002N	N	20	N	N	200	N	200	N	>2,000	500
9ME003N	N	30	N	N	300	N	700	N	>2,000	200
9ME003N	N	30	N	N	200	N	200	N	>2,000	<200
9ME004N	N	30	50	N	300	N	200	N	>2,000	N
9ME004N	N	50	300	N	150	N	300	N	>2,000	300
9ME005N	N	70	N	N	70	N	700	700	>2,000	500
9ME006N	N	30	300	N	200	N	300	N	>2,000	200
9ME007N	N	70	N	N	200	N	500	N	>2,000	700
9ME008N	N	70	N	N	200	N	200	N	>2,000	N
9ME009N	N	70	N	N	200	N	500	N	>2,000	200
9ME010N	N	30	N	N	200	N	150	N	>2,000	700
9SP001N	N	N	10	N	200	N	20	N	>2,000	N
9SP002N	N	N	10	N	200	N	20	N	>2,000	N
9TV001N	<200	50	30	N	300	N	300	N	>2,000	N
9TV002N	700	30	20	N	200	N	300	N	>2,000	<200
9TV003N	N	20	20	N	200	N	200	N	>2,000	200
9TV004N	N	30	N	N	200	N	300	N	>2,000	N
9TV005N	N	50	50	N	200	N	200	N	>2,000	N
9TV006N	N	50	N	N	300	N	200	N	>2,000	N
9TV007N	N	30	N	N	200	N	300	N	>2,000	N
9TV008N	N	50	N	N	300	N	700	N	>2,000	<200
9TV009N	N	100	200	N	300	N	700	N	>2,000	N
9TV010N	N	70	N	N	200	N	700	N	>2,000	N
9TV011N	N	100	150	N	150	N	700	N	>2,000	N
9TV012N	N	70	700	N	150	N	500	N	>2,000	<200
9TV013N	N	70	N	N	200	N	700	N	>2,000	N
9TV014N	N	70	70	N	500	N	700	1,000	>2,000	N
9TV015N	N	70	30	N	300	N	500	N	>2,000	N
9TV016N	N	20	30	N	300	N	150	N	>2,000	N
					D-6--Continued					
9BH001N	N	50	200	N	300	N	150	N	>2,000	N
9BH002N	N	50	20	N	300	N	150	N	>2,000	N
9BH003N	N	50	100	N	500	100	100	700	>2,000	N
9BH004N	N	50	20	N	300	N	100	1,000	>2,000	N
9BH005N	N	70	100	N	300	N	200	1,000	>2,000	N

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-6--Continued							
9BH006N	35 46 13	81 17 12	.10	<.05	<.10	>2.00	50	N	N	N	30	N
9ME001N	35 45 0	81 15 0	N	<.05	<.10	>2.00	<20	N	N	N	20	N
9ME001N	35 45 0	81 15 0	.20	<.05	.10	2.00	50	N	N	N	20	<50
					D-7							
9BM013N	35 56 33	81 42 50	.30	<.05	<.10	.10	100	N	N	N	<20	50
9BM014N	35 56 19	81 42 36	.50	.05	.20	.20	150	N	N	N	20	70
9BM015N	35 56 40	81 42 22	.30	<.05	.10	.10	100	N	N	N	<20	70
9BM016N	35 56 37	81 42 22	.20	<.05	.10	.10	50	N	N	N	<20	70
9BM023N	35 57 39	81 40 44	.50	<.05	.10	.15	100	N	N	N	<20	70
9BM024N	35 57 50	81 40 38	.50	<.05	.10	.15	100	N	N	N	<20	70
9BM025N	35 57 59	81 40 28	.30	<.05	<.10	.10	70	N	N	N	<20	70
9BM026N	35 58 16	81 41 9	.30	<.05	.15	.07	70	N	N	N	<20	50
9DX001N	35 45 38	81 37 17	.15	<.05	<.10	1.50	20	N	N	N	30	70
9DX002N	35 46 2	81 36 35	.20	<.02	.15	1.00	20	N	N	50	20	50
9DX003N	35 45 38	81 35 23	.10	<.05	<.10	>2.00	50	20	N	N	20	50
9DX004N	35 45 41	81 34 4	.20	.05	<.10	>2.00	100	N	N	N	50	100
9DX005N	35 45 2	81 32 40	.20	<.05	.10	>2.00	70	100	N	N	70	<50
9DX006N	35 45 56	81 30 1	.20	<.05	.15	>2.00	50	20	N	N	30	<50
9LR001N	35 57 4	81 35 40	.10	<.05	.50	2.00	100	N	N	<20	20	<50
9LR002N	35 58 17	81 34 36	.10	<.05	.50	>2.00	100	N	N	N	20	50
9LR003N	35 59 25	81 31 40	<.10	<.05	.30	2.00	100	N	N	<20	20	<50
9LR004N	35 57 17	81 32 39	.20	.05	.70	>2.00	200	N	N	<20	20	<50
9LR005N	35 57 11	81 32 51	.10	.07	.20	>2.00	70	N	N	<20	50	<50
9LR006N	35 52 48	81 35 21	.10	<.05	1.00	>2.00	200	N	N	<20	20	<50
9MN001N	35 47 57	81 40 36	.15	.05	2.00	>2.00	300	N	N	N	20	<50
9MN002N	35 48 23	81 39 50	.10	<.05	2.00	>2.00	200	N	N	N	20	<50
9MN003N	35 48 57	81 39 28	.20	.05	2.00	>2.00	300	N	N	N	20	<50
9MN004N	35 49 37	81 39 13	<.10	<.05	.30	>2.00	100	N	N	N	20	<50
9MN005N	35 50 38	81 39 21	<.10	<.05	.30	>2.00	100	N	N	N	20	<50
9MN006N	35 50 54	81 42 32	.10	.05	.70	>2.00	200	N	N	N	50	50
9MN007N	35 50 55	81 42 34	.10	.05	.30	>2.00	100	N	N	<20	20	<50
9MN008N	35 50 42	81 43 36	.10	.05	.15	>2.00	100	N	N	N	30	<50
9MN009N	35 51 8	81 44 0	<.10	<.05	.20	>2.00	30	N	N	N	20	<50
9MN010N	35 50 48	81 41 21	.10	<.05	.10	1.50	20	N	N	N	20	<50
9MN011N	35 50 51	81 41 19	.15	<.05	.30	>2.00	200	N	N	N	20	50
9MN012N	35 50 43	81 41 10	<.10	<.05	.30	>2.00	70	N	N	N	30	<50
					D-8							
9CT001N	35 56 43	81 51 26	.50	.50	.70	>2.00	200	N	N	N	30	100
9CT001N	35 56 43	81 51 26	.50	.07	.50	>2.00	1,000	N	N	N	150	100
9CT002N	35 56 29	81 51 44	.30	<.05	.50	>2.00	150	N	N	N	20	70
9CT002N	35 56 29	81 51 44	1.50	.10	1.50	>2.00	700	N	N	N	200	100
9CT003N	35 55 58	81 51 47	.20	<.05	.70	>2.00	150	N	N	N	<20	150

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-6--Continued						
9BH006N	10	N	N	15	200	N	500	N	200	N	30
9ME001N	20	N	N	N	150	N	700	N	50	<10	20
9ME001N	20	N	N	<10	150	150	2,000	N	70	N	30
					D-7--Continued						
9BM013N	20	N	N	N	<20	N	N	N	300	<10	50
9BM014N	50	N	N	10	<20	10	100	N	200	<10	70
9BM015N	30	N	N	N	20	<10	50	N	500	<10	70
9BM016N	15	N	N	N	<20	N	50	N	N	<10	30
9BM023N	20	N	N	N	N	N	150	N	N	<10	N
9BM024N	20	N	N	15	N	N	300	N	N	<10	N
9BM025N	15	N	N	N	N	N	50	N	N	<10	N
9BM026N	15	N	N	N	N	N	50	N	N	<10	N
9DX001N	5	N	N	<10	70	N	1,500	N	70	N	20
9DX002N	7	N	N	<10	100	<10	150	N	<50	N	30
9DX003N	7	N	N	15	150	20	70	N	700	N	20
9DX004N	10	N	N	20	200	N	50	N	700	N	70
9DX005N	10	N	N	20	200	N	50	N	500	N	20
9DX006N	5	100	N	15	100	N	50	N	500	N	30
9LR001N	N	N	N	N	50	N	100	N	N	N	70
9LR002N	N	N	N	N	50	N	100	N	50	N	50
9LR003N	N	N	N	N	20	N	50	N	N	N	20
9LR004N	N	N	N	N	70	<10	150	N	50	N	500
9LR005N	N	N	N	N	100	10	100	N	50	N	20
9LR006N	N	N	N	N	30	20	100	N	50	N	70
9MN001N	2	N	N	N	20	N	70	N	50	N	N
9MN002N	2	N	N	N	<20	N	50	N	50	N	50
9MN003N	<2	N	N	N	30	N	50	N	50	N	N
9MN004N	2	N	N	N	<20	N	50	N	N	N	<20
9MN005N	2	N	N	N	<20	N	100	N	50	N	<20
9MN006N	<2	N	N	N	50	N	200	N	70	N	20
9MN007N	<2	N	N	N	<20	N	>2,000	N	50	N	50
9MN008N	5	N	N	N	100	N	2,000	N	200	N	50
9MN009N	N	N	N	N	<20	N	50	N	N	N	30
9MN010N	N	N	N	10	<20	N	1,000	N	<50	N	20
9MN011N	N	N	N	N	30	N	500	N	50	N	20
9MN012N	N	N	N	N	20	N	300	N	50	N	30
					D-8--Continued						
9CT001N	70	N	N	10	N	N	300	N	N	<10	200
9CT001N	30	N	N	15	50	10	>2,000	N	1,000	N	700
9CT002N	30	N	N	<10	N	N	500	N	N	<10	50
9CT002N	50	N	N	20	50	<10	>2,000	N	150	N	200
9CT003N	20	N	N	N	N	N	100	N	<50	<10	70

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-6--Continued					
9BH006N	N	70	150	N	300	N	150	1,000	>2,000	N
9ME001N	N	30	70	N	150	N	500	N	>2,000	N
9ME001N	N	30	N	N	200	N	300	N	>2,000	700
					D-7--Continued					
9BM013N	N	50	>2,000	<200	50	N	1,500	N	>2,000	2,000
9BM014N	N	70	>2,000	200	70	N	2,000	N	>2,000	>5,000
9BM015N	N	50	>2,000	<200	50	N	1,500	N	>2,000	3,000
9BM016N	N	70	70	<200	50	N	1,000	N	>2,000	N
9BM023N	N	70	150	<200	30	N	1,500	N	>2,000	1,500
9BM024N	N	70	300	200	50	N	1,500	N	>2,000	2,000
9BM025N	N	30	N	200	30	N	1,000	N	>2,000	500
9BM026N	N	30	700	<200	30	N	1,000	N	>2,000	1,000
9DX001N	N	50	N	N	150	N	500	N	>2,000	1,000
9DX002N	N	30	30	N	200	N	300	N	>2,000	<200
9DX003N	N	70	N	N	200	N	300	N	>2,000	200
9DX004N	N	20	500	N	300	N	70	N	>2,000	N
9DX005N	N	50	30	N	300	N	200	500	>2,000	N
9DX006N	N	70	70	N	200	N	200	N	>2,000	N
9LR001N	N	20	50	N	100	N	500	N	>2,000	N
9LR002N	N	20	<20	N	100	N	500	N	>2,000	<200
9LR003N	N	30	<20	N	70	N	700	N	>2,000	N
9LR004N	N	30	70	N	100	N	700	N	>2,000	<200
9LR005N	N	20	50	N	100	N	300	N	>2,000	N
9LR006N	N	20	30	N	200	N	500	1,500	>2,000	N
9MN001N	N	20	N	N	200	N	500	N	>2,000	N
9MN002N	N	20	N	N	150	N	300	N	>2,000	N
9MN003N	N	20	N	N	200	N	300	N	>2,000	N
9MN004N	N	50	N	N	100	N	700	N	>2,000	N
9MN005N	N	50	N	N	100	N	500	N	>2,000	N
9MN006N	N	50	N	N	200	N	700	N	>2,000	200
9MN007N	N	50	50	N	100	N	1,500	N	>2,000	500
9MN008N	N	70	70	N	200	N	500	N	>2,000	200
9MN009N	N	30	N	N	70	N	700	N	>2,000	N
9MN010N	N	100	N	N	50	N	700	N	>2,000	N
9MN011N	N	70	N	N	150	N	1,000	N	>2,000	N
9MN012N	N	50	N	N	150	N	500	N	>2,000	N
					D-8--Continued					
9CT001N	N	100	N	<200	150	50	1,000	N	>2,000	2,000
9CT001N	N	10	20	N	200	N	1,500	N	>2,000	3,000
9CT002N	N	50	N	<200	70	N	1,000	N	>2,000	300
9CT002N	N	10	200	N	150	N	1,500	N	>2,000	5,000
9CT003N	N	20	N	<200	70	N	500	N	>2,000	<200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-8--Continued							
9CT003N	35 55 58	81 51 47	.70	.05	.20	>2.00	500	30	N	70	50	100
9CT004N	35 55 27	81 52 22	.50	.10	1.50	>2.00	500	N	N	N	100	150
9CT005N	35 54 43	81 52 11	.20	<.05	.15	2.00	100	N	N	N	70	150
9CT006N	35 54 19	81 52 23	.20	.05	.10	1.50	100	N	N	N	20	200
9CT008N	35 57 35	81 52 11	.30	.05	.50	>2.00	150	N	N	N	20	100
9CT009N	35 56 20	81 48 56	.70	.10	.70	>2.00	1,000	2	N	N	100	500
9CT010N	35 55 56	81 48 19	.50	.10	1.00	>2.00	200	N	N	N	20	700
9CT011N	35 55 5	81 48 4	.50	.10	1.00	>2.00	150	N	N	N	300	150
9CT013N	35 58 22	81 48 1	.50	.30	.70	>2.00	200	N	N	N	150	300
9CT019N	35 57 21	81 49 8	.30	.10	.70	>2.00	100	N	N	N	20	100
9CT020N	35 57 24	81 48 52	.20	.15	.30	>2.00	150	3	N	N	50	<50
9CT025N	35 58 10	81 47 13	.20	.07	.30	>2.00	70	N	N	N	30	100
9CT029N	35 57 43	81 47 42	.50	.10	.70	1.50	100	N	N	N	50	200
9CT031N	35 57 21	81 47 47	.20	.10	.70	>2.00	100	2	N	N	30	200
9CT032N	35 57 16	81 48 0	.30	.10	.50	>2.00	100	N	N	N	50	200
9CT035N	35 57 50	81 46 20	.20	<.05	<.10	>2.00	50	N	N	N	20	200
9CT037N	35 57 49	81 46 52	.10	<.05	.50	2.00	50	N	N	N	20	300
9CT042N	35 56 59	81 47 7	.30	.15	.70	1.00	150	N	N	N	30	200
9CT043N	35 57 3	81 46 59	.50	.15	.50	>2.00	150	N	N	N	200	100
9CT048N	35 57 33	81 45 43	.50	.05	1.00	>2.00	200	N	N	N	<20	100
9CT054N	35 59 1	81 45 39	.20	<.05	<.10	.05	70	N	N	N	20	200
9CT055N	35 59 25	81 45 56	.20	<.05	.20	.05	50	N	N	N	20	200
9CT058N	35 58 40	81 49 5	.70	.05	1.50	>2.00	500	N	N	N	20	100
9CT063N	35 58 44	81 48 37	.20	<.05	.50	>2.00	100	N	N	N	150	100
9CT064N	35 58 35	81 49 8	.20	.07	1.00	>2.00	200	N	N	N	50	150
9CT068N	35 59 0	81 49 33	.50	.10	2.00	>2.00	500	N	N	N	200	200
9CT069N	35 58 59	81 49 12	.20	.05	.20	2.00	100	5	N	N	50	200
9CT072N	35 59 38	81 50 23	.30	.05	.20	>2.00	200	N	N	N	30	70
9CT073N	35 59 7	81 51 53	.20	.05	<.10	1.00	150	N	N	N	50	200
9LF001N	35 57 22	81 55 38	<.10	<.05	.15	.20	20	N	N	N	20	100
9LF001N	35 57 22	81 55 38	1.50	.15	<.10	>2.00	100	N	N	N	1,000	50
9LF002N	35 53 32	81 59 4	<.10	<.05	.15	.30	<20	N	N	N	20	100
9LF002N	35 53 32	81 59 4	15.00	<.05	.50	>2.00	150	N	N	N	100	<50
9LF003N	35 53 13	81 59 10	.15	.05	3.00	>2.00	150	N	N	N	20	50
9LF003N	35 53 13	81 59 10	.30	.05	.30	>2.00	200	N	N	N	200	<50
9LF004N	35 55 34	81 59 40	.20	.07	7.00	>2.00	300	N	N	N	20	<50
9LF004N	35 55 34	81 59 40	1.00	.07	.70	>2.00	300	N	N	N	50	<50
9LF005N	35 56 12	81 59 31	.15	.05	2.00	2.00	100	N	N	N	30	70
9LF005N	35 56 12	81 59 31	.70	.05	1.00	>2.00	200	N	N	N	30	<50
9LF006N	35 57 21	81 58 22	.20	.05	3.00	>2.00	500	N	N	N	200	50
9LF006N	35 57 21	81 58 22	.20	<.05	.50	2.00	100	N	N	N	20	<50
9LF007N	35 57 11	81 59 8	.30	<.05	10.00	>2.00	500	N	N	N	20	<50
9LF007N	35 57 11	81 59 8	.70	.05	.70	>2.00	200	N	N	N	20	<50
9LF008N	35 57 32	81 59 59	.50	<.05	1.00	>2.00	150	N	N	N	30	<50
9LF009N	35 59 4	81 58 55	1.00	.07	.70	>2.00	150	N	N	N	30	<50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-8--Continued						
9CT003N	30	N	N	10	20	<10	>2,000	N	150	N	150
9CT004N	7	N	N	10	70	<10	1,000	N	200	N	50
9CT005N	15	N	N	N	N	10	150	N	50	N	20
9CT006N	15	N	N	N	N	<10	100	N	50	N	30
9CT008N	20	N	N	N	N	<10	100	N	50	N	30
9CT009N	50	N	N	15	20	30	>2,000	N	100	N	200
9CT010N	30	N	N	20	20	<10	>2,000	N	150	N	300
9CT011N	15	N	N	20	50	N	>2,000	N	150	N	200
9CT013N	30	N	N	20	50	<10	>2,000	N	70	N	700
9CT019N	30	N	N	10	20	<10	>2,000	N	150	N	100
9CT020N	30	N	N	20	100	<10	>2,000	N	200	N	200
9CT025N	20	N	N	20	N	10	>2,000	N	N	N	100
9CT029N	50	N	N	20	N	<10	>2,000	30	50	N	200
9CT031N	30	N	N	15	N	30	>2,000	15	50	N	150
9CT032N	50	N	N	20	N	<10	>2,000	N	70	N	150
9CT035N	5	N	N	10	N	20	>2,000	N	N	N	30
9CT037N	5	N	N	N	N	N	500	N	N	N	30
9CT042N	30	N	N	20	N	<10	>2,000	N	50	N	500
9CT043N	15	N	N	10	50	<10	>2,000	N	70	N	70
9CT048N	15	N	N	N	N	<10	300	N	50	N	70
9CT054N	70	N	N	N	N	N	500	N	<50	N	70
9CT055N	50	N	N	N	N	<10	300	N	N	N	50
9CT058N	20	N	N	N	N	50	1,000	N	100	N	100
9CT063N	50	N	N	15	50	10	200	N	200	N	70
9CT064N	20	N	N	N	20	10	300	N	300	N	70
9CT068N	50	N	N	N	N	<10	300	N	150	N	150
9CT069N	70	N	N	10	N	<10	150	N	150	N	100
9CT072N	50	N	N	N	N	N	200	N	700	N	100
9CT073N	20	N	N	N	N	N	500	N	50	N	50
9LF001N	N	N	N	N	N	N	>2,000	N	N	<10	50
9LF001N	5	N	N	15	70	200	1,000	N	500	10	30
9LF002N	5	N	N	N	N	N	>2,000	N	N	<10	50
9LF002N	N	N	N	15	100	10	100	N	1,000	N	30
9LF003N	N	N	N	20	N	N	100	N	N	<10	30
9LF003N	N	N	N	10	70	20	200	N	200	N	30
9LF004N	N	N	N	20	<20	100	100	N	<50	<10	30
9LF004N	N	200	N	30	200	15	70	N	700	30	70
9LF005N	N	N	N	15	<20	N	50	N	<50	<10	150
9LF005N	N	N	N	15	200	10	100	N	1,000	<10	50
9LF006N	N	N	N	N	50	N	500	N	70	<10	50
9LF006N	2	N	N	<10	50	15	100	N	100	N	50
9LF007N	N	N	N	30	20	N	70	N	100	<10	20
9LF007N	3	N	N	20	100	20	1,000	N	500	<10	100
9LF008N	N	N	N	N	20	N	<50	N	N	<10	20
9LF009N	N	N	N	20	200	10	150	N	300	<10	30

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-8--Continued					
9CT003N	N	10	200	N	150	N	1,000	3,000	>2,000	1,500
9CT004N	N	20	20	N	100	N	500	N	>2,000	N
9CT005N	N	70	N	N	50	N	1,000	N	>2,000	200
9CT006N	N	70	50	N	50	N	1,000	N	>2,000	<200
9CT008N	N	50	N	N	30	N	700	N	>2,000	N
9CT009N	N	10	500	N	100	N	1,500	N	>2,000	2,000
9CT010N	N	10	20	N	200	N	2,000	N	>2,000	5,000
9CT011N	N	10	N	N	150	N	2,000	N	>2,000	3,000
9CT013N	N	10	100	N	150	N	2,000	N	>2,000	>5,000
9CT019N	N	10	50	N	150	N	1,000	N	>2,000	2,000
9CT020N	N	10	150	N	300	N	1,500	N	>2,000	>5,000
9CT025N	N	10	N	N	50	N	1,500	N	>2,000	3,000
9CT029N	N	10	N	N	70	N	1,500	N	>2,000	5,000
9CT031N	N	10	N	N	50	N	1,500	N	>2,000	2,000
9CT032N	N	10	30	N	70	700	2,000	N	>2,000	3,000
9CT035N	N	10	N	N	50	N	1,000	N	>2,000	700
9CT037N	N	10	N	N	50	N	1,000	N	>2,000	500
9CT042N	N	10	N	N	100	N	3,000	N	>2,000	5,000
9CT043N	N	10	N	200	200	N	1,000	N	>2,000	1,000
9CT048N	N	100	N	200	50	N	700	N	>2,000	N
9CT054N	N	100	N	<200	50	N	1,000	N	>2,000	700
9CT055N	N	70	N	<200	30	N	1,000	N	>2,000	500
9CT058N	N	10	30	N	70	N	1,500	2,000	>2,000	500
9CT063N	N	10	N	N	500	N	1,000	N	>2,000	1,000
9CT064N	N	70	20	N	100	N	700	N	>2,000	300
9CT068N	N	100	100	N	100	N	1,000	N	>2,000	500
9CT069N	N	>200	N	N	50	N	1,500	N	>2,000	500
9CT072N	N	150	N	N	70	N	1,000	N	>2,000	N
9CT073N	N	100	N	N	50	N	1,500	N	>2,000	N
9LF001N	N	50	N	N	20	N	700	N	>2,000	500
9LF001N	N	30	N	N	150	N	500	N	>2,000	300
9LF002N	N	50	N	N	20	N	700	N	>2,000	200
9LF002N	N	50	N	N	200	N	300	N	>2,000	N
9LF003N	N	20	N	<200	70	N	700	N	>2,000	N
9LF003N	N	70	N	N	100	N	500	N	>2,000	200
9LF004N	N	10	N	<200	100	N	700	500	>2,000	N
9LF004N	N	30	20	N	150	N	300	N	>2,000	N
9LF005N	N	15	N	<200	70	N	500	N	>2,000	N
9LF005N	N	30	30	200	200	N	200	700	>2,000	N
9LF006N	N	20	N	<200	150	N	700	N	>2,000	N
9LF006N	N	50	N	N	50	N	500	N	>2,000	200
9LF007N	N	N	N	<200	70	N	700	N	>2,000	N
9LF007N	N	70	30	N	150	N	500	N	>2,000	300
9LF008N	N	<10	N	<200	150	N	300	N	>2,000	N
9LF009N	N	20	20	N	200	N	150	700	>2,000	200

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-8--Continued							
9LF010N	35 59 7	81 58 32	.20	<.05	.70	>2.00	150	N	N	N	20	<50
9LF011N	35 59 4	81 58 31	.20	.05	.50	>2.00	200	N	N	N	20	<50
9LF012N	35 59 49	81 55 57	1.00	.30	<.10	>2.00	70	N	N	N	700	200
9LF013N	35 59 25	81 56 3	.70	.30	.10	>2.00	100	N	N	N	1,000	200
9LF014N	35 57 57	81 55 42	1.50	.20	<.10	>2.00	100	N	N	N	500	150
9LF015N	35 58 31	81 55 0	2.00	.30	.20	>2.00	150	70	N	N	300	200
9LF016N	35 59 12	81 53 38	.20	<.05	<.10	>2.00	150	N	N	N	50	70
9LF017N	35 59 2	81 53 50	.20	.05	.10	>2.00	70	N	N	300	30	100
9LF018N	35 56 51	81 53 3	.50	.10	1.00	>2.00	300	N	N	N	30	200
9LF019N	35 57 11	81 52 46	.50	.07	.50	>2.00	150	N	N	N	100	50
9LF020N	35 58 31	81 52 48	.70	<.05	<.10	2.00	700	N	N	20	20	50
9OH036N	35 51 48	81 50 45	.15	<.05	.30	.05	70	N	N	N	20	<50
9OH037N	35 51 53	81 50 25	.10	<.05	.10	.05	50	N	N	N	30	<50
9OH037N	35 51 53	81 50 25	.30	.05	.10	.07	300	20	N	N	50	<50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-8--Continued						
9LF010N	<2	N	N	10	50	10	70	N	150	<10	50
9LF011N	2	N	N	10	50	10	300	N	200	N	70
9LF012N	3	N	N	15	100	10	70	N	500	<10	50
9LF013N	5	N	N	15	100	10	300	N	300	<10	100
9LF014N	5	N	N	20	70	10	150	N	300	<10	100
9LF015N	3	N	N	20	100	<10	150	N	200	10	100
9LF016N	20	N	N	10	30	<10	300	N	200	N	50
9LF017N	20	N	N	<10	20	<10	200	N	150	N	30
9LF018N	50	N	N	10	<20	10	150	N	50	<10	150
9LF019N	15	N	N	15	50	15	1,500	N	200	N	100
9LF020N	20	N	N	10	20	20	300	N	50	N	50
90H036N	50	N	N	15	30	N	1,500	N	N	N	70
90H037N	50	N	N	10	20	<10	1,000	N	<50	N	50
90H037N	50	N	N	10	30	<10	>2,000	N	N	N	50

Table 2.--Analytical results of the nonmagnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-8--Continued					
9LF010N	N	30	N	N	100	N	500	N	>2,000	N
9LF011N	N	30	N	N	100	N	700	N	>2,000	500
9LF012N	N	50	N	N	150	N	300	N	>2,000	N
9LF013N	N	50	N	N	100	N	500	N	>2,000	N
9LF014N	N	50	N	N	100	N	500	N	>2,000	N
9LF015N	N	20	N	N	100	N	300	N	>2,000	N
9LF016N	N	50	N	N	70	N	700	N	>2,000	300
9LF017N	N	50	N	N	30	N	700	N	>2,000	N
9LF018N	N	50	70	N	70	N	500	N	>2,000	300
9LF019N	N	30	N	N	100	N	500	N	>2,000	500
9LF020N	N	50	100	N	50	N	1,000	N	>2,000	<200
9OH036N	N	150	N	N	50	N	1,000	N	>2,000	700
9OH037N	N	200	N	N	50	N	1,000	<500	>2,000	700
9OH037N	N	200	N	N	50	N	1,500	1,000	>2,000	1,000

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.

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

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A1							
8AN001M5	35 6 43	80 0 39	30.0	.50	<.10	>2.00	>10,000	N	N	N	50	100
8AN002M5	35 6 15	80 0 43	30.0	.20	N	>2.00	>10,000	N	N	N	150	50
8AN003M5	35 1 47	80 0 31	30.0	.10	.10	>2.00	>10,000	N	N	N	<20	70
8AN004M5	35 0 0	80 0 27	30.0	.10	<.10	>2.00	>10,000	N	N	N	<20	70
8AN005M5	35 0 40	80 7 27	20.0	.15	1.50	>2.00	>10,000	N	N	N	100	200
8AN006M5	35 6 53	80 0 20	20.0	.50	N	>2.00	>10,000	N	N	N	<20	70
8AN007M5	35 3 48	80 1 25	30.0	.70	<.10	>2.00	>10,000	N	N	N	<20	200
8AN008M5	35 3 44	80 1 28	30.0	1.00	.50	>2.00	10,000	N	N	N	70	300
8AN009M5	35 2 2	80 3 19	50.0	1.00	.50	>2.00	>10,000	N	N	N	<20	300
8AN010M5	35 3 4	80 4 2	30.0	.50	.10	>2.00	10,000	N	N	N	50	300
8AN011M5	35 2 47	80 4 56	20.0	.30	.10	>2.00	10,000	N	N	N	100	200
8AN012M5	35 4 56	80 5 54	20.0	1.00	1.00	>2.00	>10,000	N	N	N	20	100
8AN013M5	35 4 45	80 5 3	20.0	.10	N	>2.00	7,000	N	N	N	300	100
8AN014M5	35 6 4	80 4 58	20.0	1.00	.20	>2.00	>10,000	N	N	N	20	150
8AN015M5	35 6 17	80 5 6	50.0	1.00	.20	>2.00	10,000	N	N	N	70	200
8AN016M5	35 7 21	80 5 17	30.0	1.50	.70	>2.00	>10,000	N	N	N	30	100
8AN017M5	35 5 6	80 6 25	20.0	1.50	.30	>2.00	>10,000	N	N	N	<20	200
8AN018M5	35 4 52	80 7 16	30.0	.50	1.00	>2.00	>10,000	N	N	N	20	300
8AN019M5	35 1 29	80 6 56	20.0	.20	.50	>2.00	>10,000	N	N	N	20	150
8AQ001M5	35 14 37	80 7 31	50.0	1.00	2.00	>2.00	>10,000	N	N	N	<20	100
8AQ002M5	35 11 44	80 7 35	50.0	.50	.30	>2.00	>10,000	N	N	N	<20	100
8AQ003M5	35 10 31	80 8 35	50.0	.70	<.10	>2.00	10,000	N	N	N	<20	70
8AQ004M5	35 10 49	80 10 5	50.0	1.50	2.00	>2.00	>10,000	N	N	N	<20	100
8AQ005M5	35 9 44	80 8 33	50.0	1.00	.10	>2.00	>10,000	N	N	N	<20	50
8AQ006M5	35 8 2	80 9 18	30.0	.50	.20	>2.00	7,000	N	N	N	20	100
8AQ007M5	35 13 51	80 8 11	30.0	1.50	3.00	>2.00	>10,000	N	N	N	<20	50
8AQ008M5	35 13 7	80 8 9	30.0	7.00	5.00	>2.00	10,000	N	N	N	20	50
8AQ009M5	35 12 52	80 10 16	30.0	1.00	3.00	>2.00	>10,000	N	N	N	<20	100
8AQ010M5	35 12 54	80 10 19	30.0	7.00	5.00	>2.00	>10,000	N	N	N	20	100
8AQ011M5	35 12 31	80 11 4	30.0	1.00	.10	>2.00	>10,000	N	N	N	150	100
8AQ012M5	35 10 15	80 11 47	30.0	.50	<.10	>2.00	>10,000	N	N	N	<20	200
8AQ013M5	35 9 41	80 11 9	50.0	1.00	<.10	>2.00	>10,000	N	N	N	<20	50
8AQ014M5	35 9 57	80 12 40	50.0	.50	<.10	>2.00	>10,000	N	N	N	<20	100
8AQ015M5	35 7 35	80 12 29	20.0	.70	.30	>2.00	10,000	N	N	N	<20	100
8AQ016M5	35 7 33	80 12 16	30.0	5.00	.30	>2.00	10,000	N	N	N	20	200
8AQ017M5	35 12 57	80 14 20	30.0	.30	.10	>2.00	>10,000	N	N	N	<20	300
8AQ018M5	35 13 52	80 13 56	30.0	.30	.10	>2.00	>10,000	N	N	N	<20	300
8AQ019M5	35 14 1	80 11 11	20.0	10.00	10.00	>2.00	10,000	N	N	N	<20	70
8AQ020M5	35 8 29	80 13 31	20.0	5.00	3.00	>2.00	10,000	N	N	N	<20	70
8AQ021M5	35 9 8	80 14 44	20.0	.30	.20	>2.00	>10,000	N	N	N	<20	200

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A1--Continued						
8AN001M5	N	N	N	50	5,000	30	500	N	100	20	300
8AN002M5	N	N	N	50	700	20	200	N	100	20	300
8AN003M5	N	N	N	50	200	30	200	N	700	20	100
8AN004M5	N	N	N	50	700	30	N	N	500	15	100
8AN005M5	<2	N	N	50	1,500	30	2,000	N	2,000	10	300
8AN006M5	N	N	N	70	1,000	30	<50	N	50	20	300
8AN007M5	2	N	N	70	1,000	30	>2,000	N	1,500	70	200
8AN008M5	2	N	N	50	1,000	20	700	N	150	150	200
8AN009M5	N	N	N	50	2,000	30	300	N	200	50	300
8AN010M5	N	N	N	70	3,000	20	1,000	N	150	50	150
8AN011M5	3	N	N	70	3,000	20	700	N	500	50	150
8AN012M5	200	N	N	30	10,000	20	500	N	1,000	70	200
8AN013M5	3	N	N	50	2,000	30	300	N	300	20	200
8AN014M5	100	N	N	70	5,000	20	500	N	500	50	100
8AN015M5	<2	N	N	50	700	50	<50	N	300	50	200
8AN016M5	<2	N	N	50	3,000	30	50	N	100	50	100
8AN017M5	<2	N	N	50	5,000	20	200	N	700	50	300
8AN018M5	3	N	N	30	5,000	30	100	N	500	50	150
8AN019M5	2	N	N	50	1,000	30	2,000	N	300	20	200
8AQ001M5	3	N	N	100	2,000	70	<50	N	100	100	70
8AQ002M5	5	N	N	100	500	50	N	N	70	50	30
8AQ003M5	3	N	N	100	700	50	<50	N	70	50	30
8AQ004M5	3	N	N	100	700	100	<50	N	70	70	70
8AQ005M5	N	N	N	100	2,000	30	<50	N	70	50	50
8AQ006M5	5	N	N	100	700	70	N	N	70	50	50
8AQ007M5	<2	N	N	100	2,000	100	N	N	100	70	50
8AQ008M5	<2	N	N	100	3,000	50	N	N	70	150	100
8AQ009M5	2	N	N	100	300	200	N	N	150	50	70
8AQ010M5	3	N	N	100	1,000	70	N	N	100	150	50
8AQ011M5	5	N	N	100	300	70	N	N	100	50	50
8AQ012M5	3	N	N	100	300	100	N	N	100	50	50
8AQ013M5	2	N	N	100	700	70	N	N	70	50	50
8AQ014M5	7	N	N	150	700	100	N	N	70	70	50
8AQ015M5	2	N	N	100	7,000	100	N	N	200	50	50
8AQ016M5	2	N	N	150	1,500	100	N	N	100	200	100
8AQ017M5	5	N	N	30	200	70	N	N	100	50	200
8AQ018M5	5	N	N	50	200	50	N	N	100	50	70
8AQ019M5	N	N	N	100	2,000	30	N	N	50	150	20
8AQ020M5	N	N	N	100	10,000	30	500	N	70	150	30
8AQ021M5	3	N	N	200	700	200	50	N	200	50	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A1--Continued					
8AN001M5	N	50	N	N	500	N	150	N	>2,000	N
8AN002M5	N	30	N	N	500	N	1,500	N	300	N
8AN003M5	N	100	N	N	500	N	500	N	700	N
8AN004M5	N	70	N	N	500	N	500	N	700	N
8AN005M5	N	150	1,000	200	700	N	2,000	N	>2,000	500
8AN006M5	N	50	N	N	500	N	20	N	200	N
8AN007M5	N	150	70	N	500	N	5,000	N	>2,000	300
8AN008M5	N	70	N	N	700	N	200	N	2,000	N
8AN009M5	N	70	70	N	700	N	700	N	1,000	N
8AN010M5	N	70	100	N	700	N	500	N	>2,000	N
8AN011M5	N	50	30	N	700	N	1,500	N	>2,000	N
8AN012M5	N	100	700	<200	500	N	>5,000	N	>2,000	N
8AN013M5	N	50	N	N	700	N	1,000	N	>2,000	N
8AN014M5	N	100	1,000	N	500	N	5,000	5,000	>2,000	N
8AN015M5	N	50	N	N	700	N	1,500	N	>2,000	N
8AN016M5	N	50	50	N	500	N	3,000	N	2,000	N
8AN017M5	N	70	N	<200	500	N	>5,000	N	>2,000	N
8AN018M5	N	70	N	200	700	N	>5,000	N	>2,000	300
8AN019M5	N	100	100	N	500	N	1,000	N	>2,000	200
8AQ001M5	N	70	N	<200	500	N	200	N	500	N
8AQ002M5	N	50	N	N	500	N	50	N	200	N
8AQ003M5	N	50	N	N	300	N	70	N	200	N
8AQ004M5	N	50	N	<200	500	N	50	N	500	N
8AQ005M5	N	50	N	N	300	N	70	N	150	N
8AQ006M5	N	20	N	N	300	N	70	1,000	70	N
8AQ007M5	N	30	N	200	500	N	50	N	100	N
8AQ008M5	N	70	N	200	500	N	50	N	300	N
8AQ009M5	N	30	N	200	300	N	50	N	500	N
8AQ010M5	N	100	N	N	300	N	50	N	200	N
8AQ011M5	N	30	N	N	300	N	70	N	100	N
8AQ012M5	N	30	N	N	200	N	70	N	200	N
8AQ013M5	N	50	N	N	300	N	50	N	200	N
8AQ014M5	N	50	N	N	500	N	30	N	150	N
8AQ015M5	N	50	N	200	300	N	70	N	300	N
8AQ016M5	N	100	N	N	500	N	70	N	1,500	N
8AQ017M5	N	10	200	N	200	N	50	N	300	N
8AQ018M5	N	30	N	N	300	N	50	N	150	N
8AQ019M5	N	150	N	N	500	N	30	N	100	N
8AQ020M5	N	50	N	N	500	N	100	N	200	N
8AQ021M5	N	30	N	<200	200	N	50	N	200	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A1--Continued							
8AQ022M5	35 14 4	80 10 33	30.0	.30	.20	>2.00	10,000	N	N	N	<20	300
8MG001M5	35 13 56	80 1 0	30.0	1.50	.50	>2.00	7,000	N	N	N	<20	200
8MG002M5	35 9 50	80 0 20	30.0	.50	.20	>2.00	>10,000	N	N	N	20	700
8MG002M5	35 9 50	80 0 20	30.0	.20	<.10	>2.00	>10,000	N	N	N	20	100
8MG003M5	35 8 58	80 0 44	50.0	.15	<.10	>2.00	10,000	N	N	N	<20	150
8MG004M5	35 12 39	80 1 18	20.0	.70	.10	>2.00	10,000	N	N	N	<20	200
8MG005M5	35 12 32	80 2 24	20.0	.70	.20	>2.00	>10,000	N	N	N	<20	70
8MG006M5	35 12 44	80 3 9	20.0	.70	.30	>2.00	>10,000	N	N	N	20	100
8MG008M5	35 13 59	80 1 31	30.0	.50	.30	>2.00	10,000	N	N	N	20	500
8MG009M5	35 8 10	80 1 36	20.0	.70	.20	>2.00	>10,000	N	N	N	<20	100
8MG010M5	35 7 33	80 0 59	20.0	.50	N	>2.00	>10,000	N	N	N	<20	50
8MG011M5	35 14 9	80 6 29	20.0	.30	3.00	>2.00	>10,000	N	N	N	<20	50
8MG012M5	35 12 2	80 6 45	30.0	2.00	1.00	>2.00	>10,000	N	N	N	50	200
8MG013M5	35 11 40	80 7 23	30.0	2.00	1.50	>2.00	>10,000	N	N	N	<20	50
8MG014M5	35 12 4	80 4 25	30.0	1.00	.10	>2.00	>10,000	N	N	N	50	50
8MG015M5	35 11 10	80 4 6	30.0	5.00	.30	>2.00	>10,000	N	N	N	20	50
8MG016M5	35 9 11	80 7 10	30.0	.20	.10	>2.00	7,000	N	N	N	<20	500
8MG017M5	35 7 36	80 5 19	20.0	5.00	3.00	>2.00	>10,000	N	N	N	<20	50
8MG018M5	35 7 30	80 6 24	30.0	.20	.10	>2.00	>10,000	N	N	N	20	700
8MG019M5	35 7 33	80 6 25	30.0	2.00	1.00	>2.00	>10,000	3.0	N	N	20	50
8PL001M5	35 7 3	80 7 55	30.0	2.00	1.50	>2.00	7,000	N	N	N	500	200
8PL002M5	35 3 35	80 8 46	50.0	2.00	.70	>2.00	>10,000	N	N	N	20	700
8PL003M5	35 3 34	80 8 46	20.0	10.00	10.00	>2.00	7,000	N	N	N	<20	150
8PL004M5	35 2 0	80 7 56	30.0	.30	.50	>2.00	>10,000	N	N	N	<20	300
8PL005M5	35 1 43	80 9 19	30.0	.50	1.00	>2.00	>10,000	N	N	N	<20	100
8PL006M5	35 0 19	80 12 35	30.0	2.00	2.00	>2.00	>10,000	N	N	N	20	500
8PL007M5	35 0 9	80 13 12	50.0	.50	5.00	>2.00	>10,000	N	N	N	<20	300
8PL008M5	35 2 20	80 12 22	30.0	.70	<.10	>2.00	>10,000	N	N	N	20	1,500
8PL009M5	35 2 9	80 9 15	50.0	1.00	2.00	>2.00	10,000	N	N	N	<20	150
8PL010M5	35 2 53	80 10 7	50.0	.50	.10	>2.00	10,000	N	N	N	50	150
8PL011M5	35 6 50	80 10 53	50.0	1.00	1.00	>2.00	10,000	N	N	N	100	200
8PL012M5	35 6 39	80 10 50	50.0	1.50	.30	>2.00	10,000	N	N	N	20	500
8PL013M5	35 4 14	80 11 53	30.0	.70	.20	2.00	7,000	N	N	N	20	500
8PL014M5	35 2 46	80 13 6	20.0	15.00	15.00	>2.00	10,000	N	N	N	<20	200
8PL015M5	35 2 18	80 13 23	30.0	3.00	3.00	>2.00	>10,000	3.0	N	N	50	300
8PL016M5	35 2 42	80 14 46	30.0	.50	5.00	>2.00	>10,000	N	N	N	20	300
8PL017M5	35 2 54	80 14 32	20.0	10.00	10.00	>2.00	>10,000	N	N	N	30	50
8PL018M5	35 5 12	80 13 3	20.0	15.00	3.00	>2.00	10,000	N	N	N	<20	50
8PL019M5	35 5 3	80 11 28	50.0	.50	.30	>2.00	5,000	N	N	N	30	300
8PL020M5	35 5 39	80 13 50	20.0	2.00	2.00	>2.00	>10,000	N	N	N	<20	200

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A1--Continued						
8AQ022M5	7	N	N	70	500	70	100	N	50	50	70
8MG001M5	5	N	N	100	7,000	70	N	N	150	150	50
8MG002M5	3	N	N	50	3,000	50	N	N	150	70	100
8MG002M5	3	N	N	50	2,000	30	N	N	150	50	100
8MG003M5	2	N	N	30	3,000	15	N	N	150	50	100
8MG004M5	2	N	N	50	500	30	N	N	50	50	100
8MG005M5	N	N	N	50	3,000	50	N	N	150	70	70
8MG006M5	N	N	N	100	3,000	70	N	N	100	70	70
8MG008M5	7	N	N	100	3,000	100	N	N	70	100	70
8MG009M5	N	N	N	70	3,000	20	N	N	200	50	150
8MG010M5	<2	N	N	70	1,500	15	100	N	200	20	200
8MG011M5	N	N	N	70	700	100	N	N	70	20	30
8MG012M5	2	N	N	100	7,000	70	N	N	100	200	100
8MG013M5	N	N	N	100	1,000	50	N	N	50	100	50
8MG014M5	N	N	N	100	3,000	30	N	N	70	70	70
8MG015M5	N	N	N	100	3,000	30	N	N	100	200	30
8MG016M5	10	N	N	100	500	50	N	N	70	50	50
8MG017M5	N	N	N	100	2,000	30	N	N	100	100	50
8MG018M5	7	N	N	100	1,000	100	50	N	100	150	200
8MG019M5	2	N	N	100	2,000	70	N	N	100	100	70
8PL001M5	5	N	N	50	3,000	100	N	N	150	150	70
8PL002M5	7	N	N	70	2,000	70	N	N	70	100	500
8PL003M5	N	N	N	50	1,000	30	<50	N	300	100	100
8PL004M5	2	N	N	50	3,000	50	>2,000	N	1,000	20	200
8PL005M5	7	N	N	50	700	70	70	N	1,000	100	150
8PL006M5	3	N	N	50	700	50	100	N	700	100	150
8PL007M5	2	N	N	20	1,000	30	70	N	1,500	10	200
8PL008M5	7	N	N	50	2,000	100	100	N	300	100	100
8PL009M5	7	N	N	50	5,000	100	150	N	1,000	150	150
8PL010M5	7	N	N	50	5,000	100	500	N	700	150	100
8PL011M5	7	N	N	50	2,000	100	N	N	1,000	70	70
8PL012M5	10	N	N	150	5,000	200	N	N	100	150	100
8PL013M5	10	N	N	50	500	200	50	N	<50	200	100
8PL014M5	<2	N	N	70	3,000	30	70	N	100	200	20
8PL015M5	3	N	N	100	3,000	50	300	N	100	100	200
8PL016M5	7	N	N	100	1,000	200	<50	N	50	200	100
8PL017M5	N	N	N	50	5,000	15	100	N	150	150	20
8PL018M5	N	N	N	100	10,000	20	500	N	100	300	20
8PL019M5	10	N	N	70	1,000	200	50	N	50	150	100
8PL020M5	3	N	N	100	5,000	100	100	N	300	150	70

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A1--Continued					
8AQ022M5	N	30	150	N	300	N	50	N	300	N
8MG001M5	N	50	N	N	500	N	70	N	300	N
8MG002M5	N	30	N	N	300	N	300	N	500	N
8MG002M5	N	30	N	N	300	N	2,000	N	>2,000	N
8MG003M5	N	30	30	N	700	N	200	N	2,000	N
8MG004M5	N	20	N	N	300	N	20	N	70	N
8MG005M5	N	30	N	N	300	N	500	N	500	N
8MG006M5	N	30	N	N	200	N	100	N	150	N
8MG008M5	N	30	50	<200	300	N	1,000	N	150	N
8MG009M5	N	50	N	N	300	N	2,000	N	>2,000	N
8MG010M5	N	30	N	N	300	N	300	N	1,000	N
8MG011M5	N	30	N	200	700	N	30	N	500	N
8MG012M5	N	100	N	N	500	N	50	N	300	N
8MG013M5	N	50	N	N	500	N	30	N	200	N
8MG014M5	N	50	N	N	500	N	50	N	200	N
8MG015M5	N	50	N	N	500	N	50	N	200	N
8MG016M5	N	30	N	N	500	N	30	N	300	N
8MG017M5	N	70	N	N	300	N	150	N	200	N
8MG018M5	N	30	N	N	300	N	1,500	N	700	N
8MG019M5	N	50	N	N	300	N	300	N	200	N
8PL001M5	N	30	N	N	700	N	500	N	>2,000	N
8PL002M5	N	30	N	N	700	N	2,000	N	500	N
8PL003M5	N	100	N	<200	700	N	5,000	N	700	200
8PL004M5	N	150	500	<200	700	N	2,000	N	>2,000	500
8PL005M5	N	70	N	N	500	N	5,000	N	1,000	N
8PL006M5	N	100	N	N	700	N	1,000	N	700	N
8PL007M5	N	100	N	200	500	N	3,000	N	>2,000	N
8PL008M5	N	20	N	N	500	N	300	N	2,000	N
8PL009M5	N	100	500	N	700	N	>5,000	1,000	>2,000	300
8PL010M5	N	50	700	N	500	N	5,000	N	>2,000	200
8PL011M5	N	50	N	<200	500	N	200	N	500	N
8PL012M5	N	30	N	N	500	N	50	N	300	N
8PL013M5	N	30	N	N	500	N	100	N	300	N
8PL014M5	N	200	N	N	700	N	70	N	700	N
8PL015M5	N	150	N	N	500	N	500	N	500	N
8PL016M5	N	70	N	N	500	N	200	N	500	N
8PL017M5	N	150	N	N	500	N	300	N	700	N
8PL018M5	N	70	N	N	500	N	100	N	200	N
8PL019M5	N	30	N	300	700	N	100	N	200	N
8PL020M5	N	70	N	N	300	N	70	N	500	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A1--Continued							
8PL021M5	35 5 44	80 14 26	15.0	2.00	2.00	>2.00	>10,000	N	N	N	20	200
8PL022M5	35 6 35	80 13 10	10.0	3.00	1.00	>2.00	7,000	N	N	N	20	100
8PL023M5	35 6 38	80 13 13	20.0	.30	.50	>2.00	5,000	N	N	N	20	150
					A2							
8OB001M5	35 6 27	80 20 12	15.0	.10	N	>2.00	>10,000	N	N	N	<20	100
8OB002M5	35 7 1	80 17 32	20.0	.15	<.10	>2.00	>10,000	N	N	N	20	150
8OB003M5	35 6 59	80 17 29	20.0	1.50	2.00	>2.00	>10,000	N	N	N	20	70
8OB004M5	35 6 52	80 15 58	20.0	.50	1.50	>2.00	5,000	N	N	N	<20	100
8OB005M5	35 6 15	80 15 47	15.0	1.50	.30	>2.00	>10,000	N	N	N	<20	300
8OB006M5	35 6 12	80 16 26	20.0	.50	.15	>2.00	10,000	N	N	N	<20	150
8OB007M5	35 5 12	80 15 13	20.0	5.00	3.00	>2.00	>10,000	N	N	N	20	100
8OB008M5	35 4 50	80 15 8	15.0	.20	<.10	>2.00	>10,000	N	N	N	<20	70
8OB009M5	35 6 10	80 17 30	30.0	.15	.15	>2.00	>10,000	N	N	N	20	150
8OB010M5	35 5 21	80 17 45	30.0	.15	.20	>2.00	7,000	N	N	N	<20	200
8OB011M5	35 4 6	80 15 45	20.0	1.00	.30	>2.00	>10,000	N	N	N	<20	100
8OB012M5	35 3 53	80 16 54	20.0	.10	N	>2.00	>10,000	N	N	N	<20	100
8OB013M5	35 2 42	80 17 13	30.0	.15	<.10	>2.00	10,000	N	N	N	<20	100
8OB014M5	35 1 59	80 15 21	20.0	.50	2.00	>2.00	>10,000	N	N	N	<20	100
8OB015M5	35 1 12	80 16 11	20.0	.20	.10	>2.00	>10,000	N	N	N	<20	100
8OB016M5	35 0 17	80 16 44	20.0	.30	1.00	>2.00	>10,000	N	N	N	20	150
8OB017M5	35 0 29	80 18 19	20.0	.20	.10	>2.00	>10,000	N	N	N	20	100
8OB018M5	35 1 34	80 17 17	30.0	.20	.15	>2.00	10,000	N	N	N	<20	100
8OB019M5	35 1 24	80 16 41	30.0	.70	.50	>2.00	>10,000	N	N	N	<20	100
8OB020M5	35 1 28	80 17 26	15.0	.10	<.10	>2.00	>10,000	N	N	N	20	150
8OB021M5	35 3 42	80 19 14	20.0	.15	<.10	>2.00	>10,000	N	N	N	<20	200
8OB022M5	35 1 54	80 18 9	20.0	.20	.10	>2.00	>10,000	N	N	N	<20	150
8OB023M5	35 1 15	80 21 59	30.0	.20	.10	2.00	5,000	N	N	N	20	300
8OB024M5	35 0 41	80 22 22	20.0	.15	.10	>2.00	>1,000	N	N	N	<20	100
8OB025M5	35 1 41	80 21 26	30.0	.10	.10	>2.00	10,000	N	N	N	<20	100
8OB026M5	35 3 38	80 19 47	15.0	.10	N	>2.00	>10,000	N	N	N	<20	100
8OB027M5	35 2 40	80 21 48	20.0	.20	.10	>2.00	>10,000	N	N	N	100	70
8OB028M5	35 3 27	80 21 48	20.0	.20	.10	>2.00	>10,000	N	N	N	<20	100
8OB029M5	35 4 21	80 20 20	20.0	.15	.15	>2.00	7,000	N	N	N	<20	200
8OB030M5	35 4 31	80 19 11	20.0	.20	.15	>2.00	10,000	N	N	N	20	200
8OB031M5	35 5 20	80 20 2	20.0	.10	.10	>2.00	>10,000	N	N	N	<20	100
8OB032M5	35 4 28	80 22 5	15.0	.15	.10	>2.00	>10,000	N	N	N	<20	150
8OK001M5	35 8 31	80 15 37	20.0	1.50	1.00	>2.00	10,000	N	N	N	20	200
8OK002M5	35 9 2	80 16 46	30.0	2.00	1.50	>2.00	>10,000	N	N	N	<20	100
8OK003M5	35 10 55	80 15 25	30.0	1.00	.10	>2.00	>10,000	N	N	N	<20	50
8OK004M5	35 10 29	80 17 3	20.0	1.50	1.00	>2.00	>10,000	N	N	N	50	70
8OK005M5	35 10 14	80 18 44	20.0	.50	.10	>2.00	>10,000	N	N	N	20	150
8OK006M5	35 8 31	80 17 48	20.0	.70	1.00	>2.00	>10,000	N	N	N	20	500
8OK007M5	35 11 34	80 18 6	30.0	.50	<.10	>2.00	>10,000	N	N	N	20	150
8OK008M5	35 11 43	80 17 6	30.0	.70	.10	>2.00	>10,000	N	N	N	<20	70

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A1--Continued						
8PL021M5	5	N	N	150	3,000	150	50	N	200	100	70
8PL022M5	3	N	N	100	2,000	150	N	N	200	150	50
8PL023M5	5	N	N	100	1,000	100	<50	N	300	50	150
					A2--Continued						
8OB001M5	<2	N	N	300	100	150	N	N	200	20	100
8OB002M5	2	N	N	500	100	200	N	N	150	50	70
8OB003M5	<2	N	N	100	3,000	70	100	N	200	70	50
8OB004M5	5	N	N	100	7,000	100	N	N	200	100	50
8OB005M5	3	N	N	150	>10,000	100	N	N	200	300	70
8OB006M5	5	N	N	100	7,000	100	N	N	200	150	100
8OB007M5	2	N	N	100	3,000	100	N	N	200	150	70
8OB008M5	2	N	N	100	3,000	100	N	N	200	50	70
8OB009M5	5	N	N	100	700	150	<50	N	150	50	100
8OB010M5	10	N	N	100	700	100	N	N	70	50	70
8OB011M5	3	N	N	150	1,500	100	N	N	300	70	70
8OB012M5	2	N	N	150	500	150	N	N	100	15	100
8OB013M5	3	N	N	150	700	50	300	N	70	20	150
8OB014M5	7	N	N	50	1,000	70	50	N	50	70	70
8OB015M5	2	N	N	100	1,500	100	N	N	500	50	100
8OB016M5	3	N	N	100	700	100	N	N	300	100	70
8OB017M5	N	N	N	100	300	70	70	N	1,000	20	200
8OB018M5	7	N	N	100	700	70	N	N	300	50	150
8OB019M5	5	N	N	70	700	70	N	N	70	30	200
8OB020M5	3	N	N	100	300	100	N	N	300	20	70
8OB021M5	3	N	N	100	500	100	N	N	500	20	70
8OB022M5	2	N	N	100	200	70	N	N	100	15	100
8OB023M5	10	N	N	50	500	100	N	N	50	100	70
8OB024M5	7	N	N	100	200	150	N	N	100	70	100
8OB025M5	7	N	N	150	500	100	N	N	150	70	70
8OB026M5	N	N	N	200	300	100	N	N	200	20	100
8OB027M5	2	N	N	200	1,500	100	N	70	300	1,000	2,000
8OB028M5	3	N	N	150	1,000	70	N	N	200	70	100
8OB029M5	7	20	N	100	300	70	N	N	100	50	50
8OB030M5	7	N	N	100	500	70	200	N	100	50	100
8OB031M5	<2	N	N	200	200	100	N	N	200	20	70
8OB032M5	<2	N	N	200	1,000	100	N	N	150	20	100
8OK001M5	5	N	N	100	3,000	150	N	N	70	150	100
8OK002M5	2	N	N	70	2,000	150	N	N	100	100	300
8OK003M5	N	N	N	70	5,000	30	N	N	70	30	70
8OK004M5	<2	N	N	50	700	50	N	N	70	50	100
8OK005M5	N	N	N	30	300	70	N	N	50	30	50
8OK006M5	3	N	N	70	2,000	100	50	N	50	70	70
8OK007M5	2	N	N	100	300	70	N	N	70	20	70
8OK008M5	<2	N	N	100	300	70	N	N	70	50	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A1--Continued					
8PL021M5	N	70	N	N	300	N	70	N	300	N
8PL022M5	N	50	N	N	200	N	100	<500	200	N
8PL023M5	N	70	N	<200	200	N	150	<500	300	N
					A2--Continued					
8OB001M5	N	10	N	N	100	N	70	N	200	N
8OB002M5	N	20	N	N	150	N	100	N	300	N
8OB003M5	N	50	N	200	200	N	70	N	150	N
8OB004M5	N	30	N	<200	500	N	70	N	70	N
8OB005M5	N	30	N	<200	200	N	70	N	300	N
8OB006M5	N	30	N	N	200	N	500	N	500	N
8OB007M5	N	70	N	N	200	N	150	N	500	N
8OB008M5	N	20	N	N	200	N	50	N	300	N
8OB009M5	N	30	N	<200	200	N	50	N	200	N
8OB010M5	N	20	N	<200	300	N	50	N	150	N
8OB011M5	N	30	200	N	150	N	50	500	200	N
8OB012M5	N	20	N	N	100	N	700	500	150	N
8OB013M5	N	50	N	N	300	N	70	N	100	N
8OB014M5	N	50	N	200	200	N	500	N	500	N
8OB015M5	N	30	N	N	150	N	300	N	700	N
8OB016M5	N	50	N	N	200	N	1,000	N	1,000	N
8OB017M5	N	30	N	N	200	N	500	N	1,000	N
8OB018M5	N	100	30	N	300	N	20	N	200	N
8OB019M5	N	50	N	N	200	N	20	N	200	N
8OB020M5	N	30	N	N	200	N	70	N	200	N
8OB021M5	N	50	100	N	200	N	500	N	300	N
8OB022M5	N	70	N	N	200	N	50	N	200	N
8OB023M5	N	30	N	N	200	N	70	N	200	N
8OB024M5	N	20	N	N	200	N	50	2,000	100	N
8OB025M5	N	30	N	N	300	N	50	N	1,000	N
8OB026M5	N	30	N	N	100	N	150	N	200	N
8OB027M5	N	50	N	N	150	N	200	N	500	N
8OB028M5	N	30	N	N	200	N	30	N	500	N
8OB029M5	N	15	N	<200	300	N	70	N	200	N
8OB030M5	N	20	N	200	200	N	100	N	300	N
8OB031M5	N	20	N	<200	150	N	70	N	300	N
8OB032M5	N	30	N	N	150	N	100	N	300	N
8OK001M5	N	20	N	N	200	N	70	1,000	200	N
8OK002M5	N	50	300	N	300	N	200	1,500	200	N
8OK003M5	N	50	N	N	500	N	50	1,000	100	N
8OK004M5	N	50	N	N	300	N	50	1,000	1,000	N
8OK005M5	N	30	N	N	200	N	300	5,000	100	N
8OK006M5	N	20	N	1,000	200	N	30	2,000	100	N
8OK007M5	N	30	N	N	150	N	150	2,000	70	N
8OK008M5	N	30	N	N	200	N	50	3,000	70	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A2--Continued							
80K009M5	35 12 55	80 15 24	30.0	.50	.10	>2.00	>10,000	N	N	N	20	150
80K010M5	35 13 49	80 15 22	20.0	.30	<.10	>2.00	>10,000	N	N	N	20	100
80K011M5	35 12 49	80 15 10	20.0	.30	<.10	>2.00	>10,000	N	N	N	30	200
80K012M5	35 13 52	80 16 17	20.0	.20	<.10	>2.00	>10,000	N	N	N	20	200
80K013M5	35 14 23	80 18 42	20.0	.30	.15	>2.00	>10,000	N	N	N	30	500
80K014M5	35 14 53	80 21 42	20.0	.30	N	>2.00	10,000	N	N	N	20	N
80K015M5	35 14 0	80 21 41	30.0	1.00	.15	>2.00	>10,000	N	N	N	<20	70
80K016M5	35 12 31	80 21 54	15.0	.15	<.10	>2.00	10,000	N	N	N	20	70
80K017M5	35 12 8	80 19 51	20.0	.50	<.10	>2.00	>10,000	N	N	N	20	500
80K018M5	35 11 48	80 19 44	20.0	.50	.10	>2.00	>10,000	N	N	N	20	200
80K019M5	35 10 52	80 19 27	20.0	.70	.15	>2.00	>10,000	N	N	N	20	200
80K020M5	35 10 56	80 21 24	20.0	.50	<.10	>2.00	>10,000	N	N	N	30	500
80K021M5	35 9 54	80 20 42	30.0	.50	<.10	>2.00	>10,000	N	N	N	<20	100
80K022M5	35 14 52	80 19 15	15.0	.30	<.10	>2.00	10,000	N	N	N	20	70
80K023M5	35 13 50	80 18 8	20.0	1.50	1.00	>2.00	>10,000	N	N	N	20	200
80K024M5	35 13 28	80 22 21	30.0	.30	1.00	>2.00	>10,000	N	N	N	20	70
80K025M5	35 9 31	80 19 45	20.0	.30	<.10	>2.00	>10,000	N	N	N	100	70
80K026M5	35 8 36	80 20 50	30.0	.20	.05	>2.00	>10,000	N	N	N	<20	300
80K027M5	35 8 49	80 22 18	20.0	.15	<.10	>2.00	>10,000	N	N	N	20	150
80K028M5	35 8 10	80 16 37	10.0	2.00	1.50	>2.00	7,000	N	N	N	20	100
80K029M5	35 14 55	80 15 12	15.0	.10	<.10	>2.00	10,000	N	N	N	20	100
8ST001M5	35 14 36	80 23 35	30.0	.50	.30	>2.00	>10,000	N	N	N	100	100
8ST002M5	35 13 45	80 23 5	30.0	.50	.30	>2.00	10,000	N	N	N	70	70
8ST003M5	35 13 32	80 23 32	30.0	.70	.30	>2.00	>10,000	N	N	N	200	100
8ST004M5	35 13 4	80 22 31	30.0	.70	.20	>2.00	10,000	N	N	N	70	500
8ST005M5	35 12 19	80 22 56	30.0	.70	<.10	>2.00	>10,000	N	N	N	100	500
8ST006M5	35 11 38	80 22 37	30.0	.50	.15	>2.00	>10,000	N	N	N	30	700
8ST007M5	35 10 32	80 26 10	20.0	.70	.30	>2.00	10,000	N	N	N	30	500
8ST008M5	35 10 35	80 27 34	30.0	.50	.10	>2.00	>10,000	20.0	N	N	100	200
8ST009M5	35 11 3	80 28 41	30.0	.70	.20	>2.00	>10,000	N	N	N	20	50
8ST010M5	35 11 19	80 25 6	50.0	1.00	.10	>2.00	>10,000	N	N	N	20	500
8ST011M5	35 11 44	80 25 19	50.0	.30	.15	>2.00	>10,000	N	N	N	<20	500
8ST012M5	35 12 24	80 25 57	50.0	.50	.10	>2.00	10,000	N	N	N	20	50
8ST013M5	35 12 57	80 26 26	50.0	.50	.30	>2.00	7,000	N	N	N	20	100
8ST014M5	35 12 59	80 26 38	30.0	.50	1.00	>2.00	>10,000	N	N	N	20	70
8ST015M5	35 14 0	80 25 58	30.0	.30	.20	>2.00	7,000	N	N	N	20	100
8ST016M5	35 14 6	80 28 6	30.0	1.50	.20	>2.00	>10,000	N	N	N	20	<50
8ST017M5	35 10 0	80 28 31	30.0	.50	.10	>2.00	>10,000	N	N	N	<20	150
8ST018M5	35 10 4	80 28 54	30.0	.50	.10	>2.00	>10,000	N	N	N	20	200
8ST019M5	35 7 41	80 29 38	20.0	.50	.10	>2.00	>10,000	N	N	N	20	100
8ST020M5	35 7 52	80 28 15	30.0	.20	<.10	>2.00	>10,000	N	N	N	20	500
8ST021M5	35 8 38	80 27 22	20.0	.20	<.10	>2.00	>10,000	N	N	N	20	300
8ST022M5	35 7 50	80 26 31	20.0	.30	<.10	>2.00	>10,000	N	N	N	20	150
8ST023M5	35 9 33	80 23 43	30.0	.50	<.10	>2.00	>10,000	N	N	N	<20	150
8ST024M5	35 7 52	80 23 23	30.0	.15	.10	>2.00	>10,000	N	N	N	20	700

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A2--Continued						
80K009M5	5	N	N	70	700	150	300	N	50	30	50
80K010M5	3	N	N	50	700	100	N	N	70	30	50
80K011M5	5	N	N	100	200	300	N	N	50	150	150
80K012M5	5	N	N	50	700	150	N	N	100	50	50
80K013M5	5	N	N	70	1,000	150	N	N	100	30	100
80K014M5	N	N	N	70	2,000	30	N	N	100	20	70
80K015M5	N	N	N	100	7,000	100	N	N	100	50	50
80K016M5	N	N	N	100	150	100	N	N	100	N	70
80K017M5	7	N	N	100	700	150	N	N	150	30	100
80K018M5	3	N	N	100	1,000	150	N	N	100	30	50
80K019M5	5	N	N	70	1,000	150	N	N	100	50	100
80K020M5	5	N	N	70	700	150	N	N	70	20	100
80K021M5	3	N	N	70	700	50	N	N	70	20	50
80K022M5	N	N	N	100	500	100	N	N	100	30	70
80K023M5	3	N	N	50	500	100	<50	N	100	30	70
80K024M5	N	N	N	100	300	200	100	N	150	30	30
80K025M5	2	N	N	70	300	50	N	N	100	20	50
80K026M5	5	N	N	70	300	50	N	N	100	20	70
80K027M5	<2	N	N	70	200	50	N	N	100	<10	70
80K028M5	<2	N	N	70	>10,000	100	<50	N	70	200	70
80K029M5	3	N	N	30	500	100	N	N	50	30	50
8ST001M5	3	N	N	30	2,000	50	N	N	100	30	70
8ST002M5	5	N	N	70	2,000	50	50	N	150	70	70
8ST003M5	3	N	N	100	7,000	70	<50	N	150	70	70
8ST004M5	10	N	N	100	700	100	<50	N	70	100	70
8ST005M5	7	N	N	100	700	100	<50	N	50	50	150
8ST006M5	7	N	N	150	300	100	100	N	<50	150	100
8ST007M5	7	N	N	50	500	70	50	N	50	70	100
8ST008M5	3	N	N	100	1,000	70	<50	N	100	70	70
8ST009M5	<2	N	N	100	2,000	30	N	N	150	50	70
8ST010M5	5	N	N	100	200	100	200	N	70	100	70
8ST011M5	15	N	N	100	300	100	N	N	50	70	50
8ST012M5	3	N	N	70	1,000	70	N	N	70	20	50
8ST013M5	5	N	N	30	3,000	70	N	N	100	50	100
8ST014M5	N	N	N	20	700	30	70	N	100	<10	200
8ST015M5	3	N	N	30	1,500	70	N	N	100	15	150
8ST016M5	N	N	N	150	7,000	20	N	N	100	150	200
8ST017M5	3	N	N	100	500	30	N	N	100	50	70
8ST018M5	3	N	N	100	300	70	N	N	100	70	70
8ST019M5	3	N	N	70	700	50	N	N	150	70	70
8ST020M5	5	N	N	100	500	50	N	N	100	50	70
8ST021M5	5	N	N	100	500	50	N	N	100	70	100
8ST022M5	2	N	N	50	1,500	300	N	N	100	30	100
8ST023M5	5	N	N	50	500	30	N	N	70	70	70
8ST024M5	5	N	N	70	150	30	N	15	100	30	70

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A2--Continued					
80K009M5	N	30	N	N	200	N	100	2,000	70	N
80K010M5	N	20	N	N	200	N	50	700	100	N
80K011M5	N	10	N	N	100	N	150	1,500	150	N
80K012M5	N	15	N	N	100	N	150	2,000	100	N
80K013M5	N	15	N	N	150	N	150	2,000	100	N
80K014M5	N	20	N	N	200	N	200	3,000	1,500	N
80K015M5	N	50	N	N	200	N	150	1,500	1,000	N
80K016M5	N	10	N	N	100	N	150	2,000	200	N
80K017M5	N	20	N	N	150	N	500	2,000	300	N
80K018M5	N	15	N	N	150	N	700	2,000	300	N
80K019M5	N	20	N	N	150	N	150	5,000	100	N
80K020M5	N	30	N	N	150	N	1,500	2,000	100	N
80K021M5	N	50	N	N	200	N	100	1,000	300	N
80K022M5	N	20	N	N	200	N	70	1,000	150	N
80K023M5	N	20	N	N	100	N	300	1,000	100	N
80K024M5	N	50	N	N	200	N	150	1,000	500	N
80K025M5	N	20	N	N	300	N	100	1,000	200	N
80K026M5	N	20	N	N	200	N	200	500	300	N
80K027M5	N	20	N	N	150	N	100	1,000	200	N
80K028M5	N	15	N	<200	200	N	150	N	70	<200
80K029M5	N	10	N	N	150	N	70	N	70	N
8ST001M5	N	30	N	N	500	N	30	N	300	N
8ST002M5	N	30	N	N	500	N	50	N	300	N
8ST003M5	N	30	N	N	500	N	100	700	2,000	N
8ST004M5	N	20	N	N	300	N	150	N	500	N
8ST005M5	N	30	N	N	500	N	50	N	150	N
8ST006M5	N	20	N	<200	300	N	1,000	N	200	N
8ST007M5	N	20	N	N	500	N	100	N	200	N
8ST008M5	N	20	N	N	500	N	200	N	700	N
8ST009M5	N	30	N	N	500	N	100	N	500	N
8ST010M5	N	30	N	N	500	N	70	N	300	N
8ST011M5	N	20	N	N	500	N	20	N	200	N
8ST012M5	N	20	N	N	500	N	30	N	700	N
8ST013M5	N	30	20	N	500	N	70	N	700	N
8ST014M5	N	70	N	N	300	N	150	N	1,000	N
8ST015M5	N	20	N	N	300	N	150	N	700	N
8ST016M5	N	30	N	N	300	N	200	N	1,000	N
8ST017M5	N	30	N	N	300	N	100	N	200	N
8ST018M5	N	30	N	N	300	N	200	N	200	N
8ST019M5	N	20	N	N	200	N	1,000	N	300	N
8ST020M5	N	20	N	N	200	N	300	N	300	N
8ST021M5	N	30	N	N	200	N	300	N	300	N
8ST022M5	N	30	N	N	200	N	1,000	500	300	N
8ST023M5	N	30	N	N	300	N	70	N	500	N
8ST024M5	N	50	N	N	150	N	200	N	200	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A2--Continued							
8W001M5	35 6 59	80 27 48	20.0	.30	.10	>2.00	>10,000	N	N	N	<20	100
8W002M5	35 6 41	80 28 8	20.0	.20	.10	>2.00	>10,000	N	N	N	50	100
8W003M5	35 7 15	80 29 46	20.0	.20	.10	>2.00	>10,000	N	N	N	20	70
8W004M5	35 4 26	80 28 45	30.0	1.00	1.00	1.00	3,000	N	1,000	N	<20	150
8W005M5	35 4 53	80 28 13	30.0	1.50	2.00	>2.00	10,000	N	500	N	<20	70
8W006M5	35 0 29	80 29 0	20.0	.15	.10	>2.00	>10,000	N	N	N	<20	100
8W007M5	35 1 25	80 26 51	30.0	1.00	.30	>2.00	>10,000	1.0	N	N	100	300
8W008M5	35 0 8	80 26 41	2.0	.05	N	>2.00	10,000	N	N	N	<20	N
8W009M5	35 0 18	80 24 41	20.0	.50	.20	>2.00	>10,000	N	N	N	20	150
8W010M5	35 2 40	80 23 39	20.0	.20	.10	>2.00	>10,000	N	N	N	200	70
8W012M5	35 3 21	80 26 39	30.0	1.00	1.50	2.00	7,000	N	N	N	20	500
8W013M5	35 3 22	80 27 53	15.0	10.00	7.00	>2.00	>10,000	N	N	N	30	100
8W014M5	35 5 27	80 26 48	30.0	.20	1.00	>2.00	>10,000	N	N	N	30	200
8W015M5	35 4 35	80 25 46	30.0	2.00	3.00	>2.00	5,000	N	N	N	<20	200
8W016M5	35 4 49	80 24 35	30.0	.50	3.00	>2.00	>10,000	N	N	N	<20	100
8W017M5	35 4 2	80 24 21	30.0	.70	.70	>2.00	>10,000	N	N	N	30	100
8W018M5	35 6 9	80 24 19	30.0	1.00	.70	>2.00	>10,000	N	N	N	<20	100
8W020M5	35 3 20	80 26 38	20.0	.30	1.00	1.00	2,000	N	N	N	<20	70
8W022M5	35 6 37	80 22 51	20.0	.15	.15	>2.00	10,000	N	N	N	<20	N
8W024M5	35 2 10	80 23 58	20.0	.10	.10	>2.00	5,000	N	N	N	<20	N
8W027M5	35 2 52	80 26 25	20.0	.10	<.10	>2.00	10,000	N	N	N	<20	<50
8W028M5	35 4 31	80 25 52	20.0	.15	.10	1.50	3,000	N	N	N	<20	<50
					A3							
8BK001M5	35 3 12	80 37 28	20.0	.10	.10	>2.00	10,000	N	N	N	20	100
8BK002M5	35 7 29	80 36 11	30.0	.10	.50	>2.00	10,000	N	N	N	20	150
8BK003M5	35 6 7	80 35 1	20.0	.15	.50	>2.00	10,000	N	N	N	20	100
8BK004M5	35 4 26	80 35 10	20.0	.10	.10	>2.00	10,000	N	N	N	<20	100
8BK005M5	35 3 51	80 36 13	20.0	.10	.20	>2.00	10,000	N	N	N	<20	100
8BK006M5	35 2 38	80 35 29	30.0	.10	.20	>2.00	7,000	N	N	N	20	150
8BK007M5	35 1 59	80 35 45	20.0	.10	.30	>2.00	10,000	N	N	N	20	100
8BK008M5	35 1 27	80 36 18	20.0	.20	.10	>2.00	5,000	N	N	N	500	200
8BK009M5	35 0 11	80 36 36	20.0	.10	.50	>2.00	>10,000	N	N	N	20	100
8BK010M5	35 0 48	80 32 38	30.0	.30	.50	>2.00	5,000	N	N	N	20	300
8BK011M5	35 0 49	80 32 41	30.0	.20	.30	2.00	5,000	N	N	N	20	200
8BK012M5	35 2 3	80 33 32	30.0	.20	.20	>2.00	5,000	N	N	N	20	100
8BK013M5	35 1 16	80 33 35	20.0	.10	.30	>2.00	10,000	N	N	N	20	150
8BK014M5	35 2 10	80 34 47	30.0	.10	.15	>2.00	7,000	N	N	N	30	200
8BK015M5	35 1 47	80 33 46	20.0	.10	.20	>2.00	10,000	N	N	N	20	100
8BK016M5	35 2 53	80 34 8	20.0	.15	.70	>2.00	10,000	N	N	N	30	100
8BK017M5	35 5 19	80 34 2	20.0	.15	.10	>2.00	10,000	N	N	N	<20	100
8BK018M5	35 5 20	80 32 46	30.0	.20	.15	>2.00	7,000	N	N	N	20	100
8BK019M5	35 5 17	80 33 30	50.0	.10	.10	1.50	3,000	N	N	N	20	200
8BK020M5	35 3 38	80 32 29	20.0	.30	5.00	1.00	3,000	N	N	N	20	200

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A2--Continued						
8W001M5	2	N	N	50	2,000	50	N	N	150	50	100
8W002M5	2	N	N	30	1,500	50	N	N	150	30	100
8W003M5	3	N	N	30	700	30	N	N	150	30	50
8W004M5	10	N	N	50	700	30	50	N	N	100	70
8W005M5	7	N	N	50	1,000	50	N	N	150	100	70
8W006M5	5	N	N	50	700	70	50	N	100	20	70
8W007M5	7	N	N	100	500	200	N	N	70	100	100
8W008M5	N	N	N	50	70	100	N	N	<50	<10	200
8W009M5	5	N	N	150	500	150	N	N	300	70	70
8W010M5	3	N	N	150	1,000	100	N	N	150	50	100
8W012M5	10	N	N	50	700	100	50	N	N	150	50
8W013M5	2	N	N	50	1,000	50	N	N	70	150	50
8W014M5	7	N	N	30	700	50	N	N	70	20	70
8W015M5	5	N	N	50	3,000	100	N	N	N	150	50
8W016M5	2	N	N	50	1,000	150	70	N	200	70	500
8W017M5	5	N	N	50	5,000	70	N	N	150	100	70
8W018M5	5	N	N	100	3,000	70	N	N	50	100	50
8W020M5	10	N	N	50	700	50	N	N	<50	50	30
8W022M5	3	N	N	200	150	100	N	N	150	20	50
8W024M5	7	N	N	100	500	100	N	N	100	70	50
8W027M5	3	N	N	150	700	100	N	N	150	50	70
8W028M5	7	N	N	50	500	100	150	N	100	70	50
					A3--Continued						
8BK001M5	<2	N	N	100	500	100	<50	N	200	30	70
8BK002M5	N	N	N	100	3,000	100	<50	15	150	30	50
8BK003M5	N	N	N	50	3,000	50	N	10	300	30	70
8BK004M5	N	N	N	50	3,000	30	N	N	150	30	50
8BK005M5	N	N	N	70	2,000	50	N	<10	150	30	200
8BK006M5	3	N	N	70	700	100	N	N	150	100	50
8BK007M5	N	N	N	50	700	50	50	N	150	50	50
8BK008M5	3	N	N	100	700	70	N	20	200	100	100
8BK009M5	N	N	N	50	300	50	N	N	100	20	50
8BK010M5	5	N	N	70	700	100	70	N	100	100	100
8BK011M5	7	N	N	70	1,000	100	50	10	100	100	100
8BK012M5	5	N	N	70	1,000	100	70	10	100	150	70
8BK013M5	2	N	N	70	1,000	70	N	N	200	50	70
8BK014M5	3	N	N	50	700	70	N	N	150	100	50
8BK015M5	N	N	N	70	1,000	50	N	N	150	50	50
8BK016M5	3	N	N	50	700	30	50	N	150	70	50
8BK017M5	N	N	N	70	3,000	30	N	<10	150	50	50
8BK018M5	3	N	N	50	1,500	70	50	<10	150	70	70
8BK019M5	7	N	N	100	1,000	500	50	N	70	500	70
8BK020M5	3	N	N	20	500	30	200	N	50	50	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A2--Continued					
8W001M5	N	30	N	N	200	N	200	700	300	N
8W002M5	N	30	N	200	200	N	200	500	500	N
8W003M5	N	20	N	N	200	N	500	N	500	N
8W004M5	N	20	N	N	700	N	20	N	70	N
8W005M5	N	50	N	N	700	N	200	N	100	N
8W006M5	N	20	N	N	300	N	30	N	1,000	N
8W007M5	N	30	N	N	500	N	300	N	300	N
8W008M5	N	N	N	N	10	N	30	N	N	N
8W009M5	N	20	N	200	100	N	70	500	300	N
8W010M5	N	20	N	N	100	N	200	500	500	N
8W012M5	N	50	N	700	500	N	50	N	200	N
8W013M5	N	100	N	<200	300	N	300	N	100	N
8W014M5	N	30	N	300	300	N	30	N	500	N
8W015M5	N	30	N	<200	300	N	30	N	100	N
8W016M5	N	50	N	200	500	N	500	N	200	N
8W017M5	N	30	N	<200	300	N	200	N	100	N
8W018M5	N	20	N	N	300	N	50	N	70	N
8W020M5	N	15	N	300	200	N	20	N	100	N
8W022M5	N	30	N	<200	200	N	50	700	200	N
8W024M5	N	20	N	N	150	N	30	N	100	N
8W027M5	N	20	N	N	100	N	70	500	100	N
8W028M5	N	10	N	N	150	N	30	N	100	N
					A3--Continued					
8BK001M5	N	50	N	N	100	N	150	700	150	N
8BK002M5	N	50	N	N	200	N	150	500	300	N
8BK003M5	N	50	N	N	200	N	50	500	200	N
8BK004M5	N	30	N	N	150	N	150	500	150	N
8BK005M5	N	50	N	N	150	N	100	500	200	N
8BK006M5	N	30	50	500	150	N	100	500	150	N
8BK007M5	N	50	N	1,000	100	N	200	500	150	N
8BK008M5	N	150	N	N	200	N	1,000	700	150	N
8BK009M5	N	70	N	N	100	N	100	N	70	N
8BK010M5	N	70	N	700	200	N	50	500	200	N
8BK011M5	N	50	N	300	200	N	100	500	150	N
8BK012M5	N	30	N	300	200	N	100	<500	200	N
8BK013M5	N	30	N	700	150	N	200	500	200	N
8BK014M5	N	30	N	300	200	N	30	500	150	N
8BK015M5	N	30	N	500	150	N	100	700	150	N
8BK016M5	N	30	50	2,000	150	N	200	500	200	N
8BK017M5	N	50	N	N	200	N	300	700	200	N
8BK018M5	N	30	N	<200	200	N	300	500	200	N
8BK019M5	N	30	N	N	150	N	100	500	150	N
8BK020M5	N	30	N	10,000	500	N	50	N	150	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A3--Continued							
8BK021M5	35 3 11	80 32 11	20.0	.15	1.50	>2.00	7,000	N	N	N	20	100
8BK022M5	35 3 15	80 33 48	20.0	.50	.50	>2.00	10,000	N	N	N	20	100
8BK023M5	35 1 52	80 31 45	20.0	.30	3.00	2.00	5,000	N	N	N	20	150
8BK024M5	35 1 29	80 30 44	20.0	.05	.10	1.00	2,000	N	N	N	20	100
8BK025M5	35 4 48	80 30 12	30.0	2.00	1.00	>2.00	5,000	N	N	N	20	200
8BK026M5	35 4 37	80 30 23	30.0	.15	.20	1.00	3,000	N	500	N	30	150
8BK027M5	35 6 57	80 35 14	20.0	.10	2.00	>2.00	>10,000	N	N	N	<20	70
8BK028M5	35 6 46	80 31 50	30.0	.15	.15	>2.00	10,000	N	N	N	20	200
8BK029M5	35 6 41	80 30 24	20.0	.07	<.10	>2.00	5,000	N	N	N	20	300
8BK030M5	35 6 32	80 30 21	30.0	.20	.20	>2.00	7,000	N	N	N	20	100
8BK031M5	35 5 47	80 30 25	30.0	.20	.15	1.00	2,000	N	N	N	<20	200
8CC004M5	35 15 0	80 35 37	30.0	5.00	5.00	>2.00	>10,000	N	N	N	<20	50
8MA001M5	35 6 9	80 43 59	20.0	.30	1.00	>2.00	>10,000	N	N	N	<20	<50
8MA002M5	35 6 20	80 43 48	30.0	.15	.50	>2.00	>10,000	N	N	N	N	70
8MA003M5	35 6 26	80 44 12	20.0	1.00	1.50	>2.00	10,000	N	N	N	N	50
8MA004M5	35 4 14	80 42 38	20.0	.10	.20	>2.00	>10,000	N	N	N	N	<50
8MA005M5	35 2 42	80 42 31	20.0	.15	1.00	>2.00	>10,000	N	N	N	<20	<50
8MA006M5	35 1 53	80 43 5	20.0	.05	<.10	>2.00	>10,000	N	N	N	N	N
8MA007M5	35 0 32	80 43 53	20.0	.20	.30	>2.00	>10,000	N	N	N	N	50
8MA008M5	35 1 3	80 44 56	20.0	.07	N	>2.00	>10,000	N	N	N	N	50
8MA009M5	35 0 13	80 43 24	15.0	.10	.15	>2.00	>10,000	N	N	N	<20	50
8MA010M5	35 0 16	80 43 2	20.0	.10	.15	>2.00	>10,000	N	N	N	N	50
8MA011M5	35 0 31	80 41 11	20.0	.20	1.00	>2.00	10,000	N	N	N	20	70
8MA012M5	35 0 34	80 39 42	20.0	.30	.70	>2.00	10,000	N	N	N	<20	100
8MA013M5	35 0 16	80 38 39	20.0	.05	<.10	>2.00	>10,000	N	N	N	<20	70
8MA014M5	35 1 22	80 38 27	20.0	.50	1.00	>2.00	10,000	N	N	N	<20	70
8MA015M5	35 1 12	80 39 22	20.0	.20	.50	>2.00	10,000	100.0	N	100	<20	70
8MA016M5	35 2 20	80 41 12	20.0	.20	.30	>2.00	>10,000	N	N	N	<20	100
8MA017M5	35 6 32	80 42 42	20.0	.50	2.00	>2.00	>10,000	N	N	N	<20	50
8MA018M5	35 6 10	80 42 23	20.0	.10	1.00	>2.00	>10,000	N	N	N	<20	50
8MA019M5	35 4 22	80 41 21	20.0	.20	1.00	>2.00	>10,000	N	N	N	<20	50
8MA020M5	35 3 34	80 41 27	20.0	.20	.50	>2.00	>10,000	N	N	N	N	<50
8MA021M5	35 3 6	80 40 30	30.0	.70	3.00	2.00	5,000	N	N	N	20	150
8MA022M5	35 1 31	80 42 24	20.0	.10	.70	>2.00	>10,000	N	N	N	N	50
8MA023M5	35 1 59	80 40 39	20.0	.50	2.00	>2.00	10,000	N	N	N	<20	100
8MA024M5	35 1 56	80 38 22	30.0	.10	.10	>2.00	10,000	N	N	N	<20	100
8MA025M5	35 4 9	80 37 49	20.0	.10	.15	>2.00	>10,000	N	N	N	N	70
8MA026M5	35 4 44	80 38 32	20.0	.20	.70	>2.00	>10,000	N	N	N	50	70
8MA027M5	35 4 46	80 39 13	20.0	.20	1.00	>2.00	>10,000	N	N	N	N	100
8MA028M5	35 4 27	80 40 33	20.0	.10	.70	>2.00	>10,000	N	N	N	N	50
8MA029M5	35 6 23	80 37 57	20.0	.10	.30	>2.00	>10,000	N	N	N	N	70
8MA031M5	35 6 37	80 40 23	20.0	.10	.50	>2.00	>10,000	N	N	N	N	70
8MA032M5	35 7 35	80 39 48	20.0	.15	.50	>2.00	>10,000	N	N	N	N	N
8MD001M5	35 13 16	80 34 33	50.0	.50	2.00	>2.00	>10,000	N	N	N	<20	50
8MD002M5	35 13 40	80 34 10	30.0	.50	3.00	>2.00	>10,000	N	N	N	<20	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A3--Continued						
8BK021M5	<2	N	N	50	1,000	30	70	N	200	30	50
8BK022M5	3	N	N	70	1,000	50	50	N	100	70	50
8BK023M5	2	N	N	30	500	50	100	N	70	50	50
8BK024M5	7	N	N	30	300	150	<50	N	<50	100	30
8BK025M5	5	N	N	70	5,000	70	N	<10	200	200	50
8BK026M5	7	N	N	50	7,000	70	N	10	<50	70	50
8BK027M5	N	N	N	70	1,500	50	N	N	100	20	70
8BK028M5	3	N	N	70	1,000	70	70	10	200	70	50
8BK029M5	5	N	N	50	700	30	N	N	300	50	70
8BK030M5	5	N	N	70	3,000	50	N	N	200	70	50
8BK031M5	5	N	N	70	700	200	N	<10	<50	100	100
8CC004M5	N	N	N	100	200	50	N	N	50	50	20
8MA001M5	N	N	N	50	200	50	N	N	150	15	50
8MA002M5	N	N	N	50	500	70	N	N	100	15	30
8MA003M5	N	N	N	100	2,000	50	N	N	150	50	30
8MA004M5	N	N	N	50	200	50	<50	N	150	10	50
8MA005M5	N	N	N	150	300	50	N	N	200	20	50
8MA006M5	N	N	N	50	70	15	70	N	500	10	100
8MA007M5	N	N	N	50	150	20	<50	N	700	15	70
8MA008M5	N	N	N	50	70	20	<50	N	700	10	100
8MA009M5	N	N	N	50	150	20	N	N	700	10	70
8MA010M5	N	N	N	50	200	20	<50	N	500	15	100
8MA011M5	2	N	N	100	500	100	N	N	150	50	70
8MA012M5	2	N	N	150	2,000	100	N	N	100	70	50
8MA013M5	2	N	N	200	500	100	N	N	150	20	50
8MA014M5	3	N	N	100	700	70	N	N	150	30	70
8MA015M5	N	N	N	150	7,000	70	N	N	150	70	100
8MA016M5	N	N	N	100	10,000	50	N	N	150	50	100
8MA017M5	N	N	N	70	1,000	70	N	N	70	20	50
8MA018M5	N	N	N	70	200	70	N	10	100	10	100
8MA019M5	N	N	N	70	7,000	30	N	N	150	50	100
8MA020M5	N	N	N	50	5,000	50	70	N	70	30	70
8MA021M5	7	N	N	150	5,000	200	100	N	100	100	500
8MA022M5	N	N	N	30	500	50	N	N	500	15	70
8MA023M5	2	N	N	70	1,500	100	N	N	150	70	70
8MA024M5	5	N	N	70	1,000	150	N	N	150	30	50
8MA025M5	N	N	N	50	5,000	50	<50	N	150	50	150
8MA026M5	N	N	N	70	3,000	50	<50	N	150	30	150
8MA027M5	<2	N	N	70	5,000	50	<50	<10	150	30	500
8MA028M5	N	N	N	50	1,000	70	<50	15	200	15	100
8MA029M5	N	N	N	70	1,000	50	N	N	150	20	50
8MA031M5	N	N	N	50	300	70	N	N	100	15	100
8MA032M5	N	N	N	150	1,000	150	N	N	100	20	30
8MD001M5	N	N	N	200	1,500	100	<50	N	70	20	70
8MD002M5	N	N	N	150	1,500	100	N	N	70	30	70

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A3--Continued					
8BK021M5	N	30	30	7,000	200	N	500	<500	150	N
8BK022M5	N	50	N	500	200	N	200	500	300	N
8BK023M5	N	20	N	5,000	200	N	150	N	300	N
8BK024M5	N	15	N	200	300	N	20	N	70	N
8BK025M5	N	50	N	<200	300	N	100	<500	150	N
8BK026M5	N	20	N	<200	200	N	30	N	200	N
8BK027M5	N	30	N	300	300	N	70	500	200	N
8BK028M5	N	30	N	<200	200	N	500	<500	200	N
8BK029M5	N	30	N	N	200	N	1,500	N	150	N
8BK030M5	N	30	N	<200	200	N	500	<500	300	N
8BK031M5	N	20	50	<200	300	N	20	N	100	N
8CC004M5	N	70	N	300	500	N	50	N	500	N
8MA001M5	N	70	N	<200	200	N	70	<500	200	N
8MA002M5	N	50	N	N	200	N	70	500	300	N
8MA003M5	N	70	N	200	200	N	50	<500	500	N
8MA004M5	N	50	N	N	150	N	200	500	500	N
8MA005M5	N	70	N	<200	200	N	200	500	200	N
8MA006M5	N	100	50	N	150	N	700	500	100	N
8MA007M5	N	100	50	N	150	N	300	700	200	N
8MA008M5	N	150	50	N	100	N	1,000	1,000	200	N
8MA009M5	N	100	50	N	150	N	1,000	700	70	N
8MA010M5	N	70	50	N	150	N	200	500	100	N
8MA011M5	N	30	N	200	200	N	50	500	150	N
8MA012M5	N	20	N	700	150	N	50	500	100	N
8MA013M5	N	20	N	N	100	N	70	500	100	N
8MA014M5	N	30	N	N	300	N	30	<500	200	N
8MA015M5	N	30	N	N	150	N	500	700	150	N
8MA016M5	N	30	N	N	150	N	300	700	300	N
8MA017M5	N	30	N	500	300	N	150	<500	500	N
8MA018M5	N	30	N	200	200	N	50	500	300	N
8MA019M5	N	30	N	200	200	N	200	500	200	N
8MA020M5	N	20	N	N	100	N	150	700	200	N
8MA021M5	N	70	50	500	300	N	100	<500	100	N
8MA022M5	N	70	N	N	150	N	150	700	200	N
8MA023M5	N	50	N	300	150	N	50	500	150	N
8MA024M5	N	20	N	N	150	N	30	500	100	N
8MA025M5	N	20	30	N	150	N	100	700	200	N
8MA026M5	N	50	N	200	150	N	100	1,000	200	N
8MA027M5	N	70	N	500	150	N	500	1,000	300	N
8MA028M5	N	30	N	200	150	N	300	500	700	N
8MA029M5	N	30	N	<200	150	N	70	500	200	N
8MA031M5	N	30	N	<200	200	N	70	500	200	N
8MA032M5	N	20	N	N	200	N	150	500	300	N
8MD001M5	N	30	N	200	500	N	50	N	1,000	N
8MD002M5	N	30	N	300	700	N	50	N	1,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A3--Continued							
8MD003M5	35 12 32	80 34 47	30.0	.20	3.00	>2.00	>10,000	N	N	N	<20	50
8MD004M5	35 12 27	80 34 49	30.0	.15	.50	>2.00	>10,000	N	N	N	<20	50
8MD005M5	35 12 58	80 32 41	30.0	.15	.50	>2.00	>10,000	N	N	N	<20	50
8MD006M5	35 12 18	80 33 19	50.0	.20	3.00	>2.00	10,000	N	N	N	20	70
8MD007M5	35 11 40	80 36 29	30.0	.10	.50	>2.00	>10,000	N	N	N	<20	50
8MD008M5	35 10 8	80 36 3	30.0	.15	1.50	>2.00	>10,000	N	N	N	<20	100
8MD009M5	35 9 0	80 36 2	30.0	.10	2.00	>2.00	>10,000	N	N	N	<20	70
8MD010M5	35 7 54	80 35 38	20.0	.70	10.00	>2.00	>10,000	N	N	N	20	50
8MD011M5	35 7 38	80 34 54	20.0	.30	5.00	>2.00	7,000	N	N	N	20	50
8MD012M5	35 10 10	80 34 45	30.0	.10	.70	>2.00	>10,000	N	N	N	<20	70
8MD013M5	35 10 14	80 34 46	30.0	.15	3.00	>2.00	>10,000	N	N	N	<20	70
8MD014M5	35 9 43	80 34 27	30.0	1.00	2.00	>2.00	>10,000	N	N	N	20	70
8MT001M5	35 8 27	80 39 31	15.0	.20	.70	>2.00	10,000	N	N	N	<20	N
8MT002M5	35 8 48	80 39 5	20.0	.05	.30	>2.00	10,000	N	N	N	<20	<50
8MT003M5	35 7 51	80 37 54	20.0	.05	.50	>2.00	>10,000	N	N	N	<20	N
8MT004M5	35 8 3	80 43 2	15.0	.15	.70	>2.00	10,000	N	N	N	<20	<50
8MT005M5	35 9 30	80 42 45	20.0	.05	.20	>2.00	>10,000	N	N	N	<20	N
8MT006M5	35 9 46	80 43 54	20.0	.70	1.00	>2.00	>10,000	N	N	N	<20	N
8MT007M5	35 9 51	80 44 16	15.0	.50	1.00	>2.00	10,000	N	N	N	<20	50
8MT008M5	35 9 24	80 44 25	20.0	.20	.30	>2.00	10,000	N	N	N	<20	N
8MT009M5	35 11 13	80 44 13	20.0	.15	.50	>2.00	10,000	N	N	N	<20	N
8MT010M5	35 12 12	80 44 28	20.0	.10	.50	>2.00	>10,000	N	N	N	<20	N
8MT011M5	35 10 34	80 43 8	30.0	.15	.70	>2.00	10,000	N	N	N	<20	N
8MT012M5	35 9 39	80 41 56	20.0	.05	.30	>2.00	10,000	N	N	N	<20	N
8MT013M5	35 9 37	80 41 53	20.0	.07	.50	>2.00	>10,000	N	N	N	<20	<50
8MT014M5	35 7 45	80 42 28	20.0	.20	.70	>2.00	>10,000	N	N	N	<20	<50
8MT015M5	35 9 59	80 41 22	30.0	.10	.15	>2.00	>10,000	N	N	N	<20	N
8MT016M5	35 11 39	80 42 15	20.0	.20	1.00	>2.00	>10,000	N	N	N	<20	<50
8MT017M5	35 11 37	80 42 12	20.0	.20	1.00	>2.00	10,000	N	N	N	<20	<50
8MT018M5	35 10 46	80 40 36	30.0	.10	.50	>2.00	>10,000	N	N	N	<20	<50
8MT019M5	35 10 38	80 39 42	20.0	.10	.70	>2.00	>10,000	N	N	N	<20	<50
8MT020M5	35 9 2	80 38 34	15.0	.10	1.00	>2.00	>10,000	N	N	N	20	50
8MT021M5	35 8 58	80 38 6	20.0	.07	.20	>2.00	>10,000	N	N	N	<20	N
8MT022M5	35 12 11	80 38 1	20.0	.10	.30	>2.00	>10,000	N	N	N	<20	N
8MT023M5	35 12 16	80 38 4	30.0	.10	.30	>2.00	>10,000	N	N	N	<20	<50
8MT024M5	35 14 27	80 43 2	20.0	.50	1.00	>2.00	>10,000	N	N	N	20	<50
8MT025M5	35 14 29	80 43 3	20.0	.30	1.50	>2.00	10,000	N	N	N	20	<50
8MT026M5	35 14 34	80 41 1	20.0	.30	1.00	>2.00	>10,000	N	N	N	<20	N
8MT027M5	35 13 31	80 39 53	20.0	.30	1.50	>2.00	7,000	N	N	N	<20	<50
8MT028M5	35 12 27	80 38 47	20.0	.20	1.00	>2.00	10,000	N	N	N	<20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A3--Continued						
8MD003M5	N	N	N	200	3,000	200	N	N	100	50	30
8MD004M5	N	N	N	100	1,500	70	<50	N	100	<10	50
8MD005M5	N	N	N	200	3,000	50	N	N	100	30	100
8MD006M5	2	N	N	30	700	70	N	N	100	<10	70
8MD007M5	N	N	N	100	700	70	N	N	100	<10	30
8MD008M5	N	N	N	100	3,000	70	N	N	100	10	70
8MD009M5	N	N	N	70	1,000	100	N	N	150	<10	100
8MD010M5	N	N	N	30	5,000	50	<50	N	70	30	100
8MD011M5	<2	N	N	20	3,000	30	N	N	50	15	70
8MD012M5	N	N	N	50	2,000	70	70	N	70	10	100
8MD013M5	N	N	N	200	1,000	100	N	N	100	10	70
8MD014M5	N	N	N	200	7,000	100	100	N	70	150	100
8MT001M5	N	N	N	150	700	100	N	N	70	30	30
8MT002M5	N	N	N	100	500	70	N	N	70	15	30
8MT003M5	N	N	N	70	700	70	N	N	100	20	50
8MT004M5	N	N	N	50	150	30	N	N	100	15	30
8MT005M5	N	N	N	100	300	50	N	N	100	15	30
8MT006M5	N	N	N	200	3,000	100	N	10	70	70	30
8MT007M5	N	N	N	100	150	50	N	N	70	20	50
8MT008M5	N	N	N	200	700	70	N	N	100	20	20
8MT009M5	N	N	N	200	200	70	N	10	100	20	30
8MT010M5	N	N	N	70	150	30	N	<10	100	15	70
8MT011M5	N	N	N	150	200	70	N	10	70	20	20
8MT012M5	N	N	N	200	500	70	N	N	100	20	20
8MT013M5	N	N	N	200	300	100	N	N	100	20	30
8MT014M5	N	N	N	70	500	100	N	10	100	20	20
8MT015M5	N	N	N	100	700	100	N	N	100	20	20
8MT016M5	N	N	N	70	500	50	N	N	70	15	30
8MT017M5	N	N	N	150	700	100	N	10	70	20	20
8MT018M5	N	N	N	100	2,000	70	<50	N	100	20	20
8MT019M5	N	N	N	100	7,000	70	50	N	100	20	30
8MT020M5	N	N	N	70	3,000	100	70	N	100	15	50
8MT021M5	N	N	N	100	2,000	150	N	N	150	20	30
8MT022M5	N	N	N	100	2,000	100	70	10	150	15	20
8MT023M5	N	N	N	100	700	70	<50	N	150	15	20
8MT024M5	N	N	N	150	500	100	70	N	100	20	30
8MT025M5	N	N	N	100	1,000	100	200	N	200	15	20
8MT026M5	N	N	N	100	50	70	N	N	100	10	20
8MT027M5	N	N	N	200	700	150	50	N	50	30	30
8MT028M5	N	N	N	150	1,500	50	N	10	70	20	20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A3--Continued					
8MD003M5	N	30	N	300	500	N	70	N	1,000	N
8MD004M5	N	30	N	N	300	N	70	N	2,000	N
8MD005M5	N	30	N	N	500	N	50	N	1,500	N
8MD006M5	N	30	N	500	700	N	50	N	700	N
8MD007M5	N	30	N	N	300	N	50	N	2,000	N
8MD008M5	N	30	N	<200	500	N	70	N	1,500	N
8MD009M5	N	50	N	300	500	N	150	N	1,500	N
8MD010M5	N	100	50	1,500	700	N	70	N	500	N
8MD011M5	N	50	N	700	700	N	70	N	500	N
8MD012M5	N	50	N	N	500	N	200	N	700	N
8MD013M5	N	30	N	300	700	N	100	N	1,000	N
8MD014M5	N	50	N	300	500	N	100	N	700	N
8MT001M5	N	20	N	<200	300	N	150	N	200	N
8MT002M5	N	20	N	N	200	N	30	<500	300	N
8MT003M5	N	20	50	N	200	N	200	<500	300	N
8MT004M5	N	20	N	200	200	N	20	N	300	N
8MT005M5	N	15	N	N	200	N	20	<500	300	N
8MT006M5	N	20	N	200	300	N	50	<500	300	N
8MT007M5	N	20	N	200	200	N	150	N	300	N
8MT008M5	N	20	N	N	300	N	100	<500	200	N
8MT009M5	N	15	N	<200	200	N	150	N	300	N
8MT010M5	N	15	N	<200	200	N	20	<500	300	N
8MT011M5	N	20	N	200	300	N	20	<500	200	N
8MT012M5	N	15	N	N	150	N	20	<500	200	N
8MT013M5	N	15	N	N	200	N	20	<500	300	N
8MT014M5	N	20	N	<200	200	N	30	N	1,000	N
8MT015M5	N	20	N	N	200	N	100	N	500	N
8MT016M5	N	20	N	200	300	N	50	N	500	N
8MT017M5	N	20	N	200	300	N	50	N	2,000	N
8MT018M5	N	20	N	N	200	<100	30	500	1,500	N
8MT019M5	N	15	N	700	200	N	70	<500	1,000	N
8MT020M5	N	20	N	200	200	N	50	500	1,000	N
8MT021M5	N	15	N	N	300	N	70	<500	700	N
8MT022M5	N	20	N	200	200	<100	20	N	700	N
8MT023M5	N	20	N	<200	200	N	20	<500	1,000	N
8MT024M5	N	30	N	200	500	N	50	<500	>2,000	N
8MT025M5	N	30	N	300	500	N	50	N	1,000	N
8MT026M5	N	20	N	300	300	N	20	N	1,500	N
8MT027M5	N	20	N	700	300	N	30	N	2,000	N
8MT028M5	N	20	N	300	200	<100	30	N	1,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A4							
8CE001M5	35 9 52	80 51 11	15.0	.30	.70	>2.00	10,000	N	N	N	20	<50
8CE002M5	35 10 2	80 50 9	20.0	.20	.50	>2.00	10,000	N	N	N	20	N
8CE003M5	35 8 30	80 49 11	15.0	.70	1.50	>2.00	7,000	N	N	N	20	<50
8CE004M5	35 7 37	80 47 31	20.0	.20	.70	>2.00	7,000	N	N	N	<20	N
8CE005M5	35 9 6	80 51 30	50.0	.15	.10	>2.00	>10,000	N	N	N	<20	N
8CE007M5	35 8 55	80 45 35	20.0	.50	1.00	>2.00	10,000	N	N	N	20	N
8CE008M5	35 9 18	80 45 33	20.0	.30	.30	>2.00	10,000	N	N	N	<20	N
8CE009M5	35 9 14	80 45 25	20.0	.50	.70	>2.00	10,000	N	N	N	20	N
8CE010M5	35 7 58	80 45 41	20.0	.50	.70	>2.00	10,000	N	N	N	<20	N
8CE011M5	35 10 34	80 46 24	20.0	.30	.50	>2.00	10,000	N	N	N	<20	70
8CE012M5	35 10 36	80 46 27	30.0	.10	.10	>2.00	>10,000	N	N	N	<20	N
8CE013M5	35 10 23	80 47 13	5.0	.07	.20	>2.00	5,000	N	N	N	<20	N
8CE014M5	35 14 2	80 46 7	20.0	.10	.10	>2.00	>10,000	N	N	N	<20	N
8CW001M5	35 9 50	80 55 50	30.0	.10	.10	>2.00	>10,000	N	N	N	<20	N
8CW002M5	35 9 10	80 57 45	50.0	1.00	.20	>2.00	>10,000	N	N	N	<20	70
8CW003M5	35 9 7	80 59 19	50.0	1.50	.30	>2.00	>10,000	N	N	N	<20	50
8CW004M5	35 8 13	80 53 9	50.0	.70	.30	>2.00	>10,000	N	N	N	<20	<50
8CW005M5	35 9 56	80 54 33	30.0	.20	.30	>2.00	>10,000	N	N	N	20	50
8CW006M5	35 9 58	80 54 39	30.0	.20	.20	>2.00	>10,000	N	N	N	<20	70
8CW007M5	35 8 44	80 55 35	50.0	.50	.15	>2.00	>10,000	N	N	N	20	<50
8CW008M5	35 9 42	80 56 23	50.0	.50	<.10	>2.00	10,000	N	N	N	<20	N
8CW009M5	35 10 24	80 59 4	50.0	.50	.20	>2.00	>10,000	N	N	N	<20	N
8CW010M5	35 10 25	80 59 7	30.0	.30	.50	>2.00	>10,000	N	N	N	20	50
8CW011M5	35 11 36	80 59 48	50.0	.70	.30	>2.00	>10,000	N	N	N	<20	50
8CW012M5	35 11 36	80 59 49	30.0	.50	.70	>2.00	>10,000	N	N	N	20	<50
8CW013M5	35 12 38	80 58 57	20.0	.50	2.00	>2.00	>10,000	N	N	N	<20	50
8CW014M5	35 11 5	80 56 28	50.0	.15	.10	>2.00	>10,000	N	N	N	<20	N
8CW015M5	35 11 35	80 56 35	30.0	.20	3.00	>2.00	>10,000	N	N	N	20	150
8CW016M5	35 11 37	80 54 53	20.0	.70	5.00	>2.00	>10,000	N	N	N	20	50
8CW017M5	35 12 57	80 55 24	30.0	.50	3.00	>2.00	>10,000	N	N	N	20	50
8CW018M5	35 13 48	80 54 38	30.0	.50	5.00	>2.00	>10,000	N	N	N	20	70
8CW019M5	35 13 54	80 54 51	20.0	.50	7.00	>2.00	>10,000	N	N	N	20	50
8CW020M5	35 13 54	80 55 1	30.0	.15	1.00	>2.00	>10,000	N	N	N	<20	<50
8CW021M5	35 14 6	80 58 38	30.0	.70	5.00	>2.00	>10,000	N	N	N	30	50
8CW022M5	35 14 14	80 58 39	30.0	.30	1.50	>2.00	>10,000	N	N	N	20	<50
8CW023M5	35 12 1	80 53 38	20.0	.70	2.00	>2.00	>10,000	N	N	N	<20	<50
8WD001M5	35 1 52	80 52 35	20.0	.15	1.50	>2.00	10,000	N	N	N	<20	70
8WD002M5	35 7 16	80 49 54	20.0	2.00	3.00	>2.00	10,000	N	N	N	<20	<50
8WD003M5	35 7 20	80 50 22	20.0	3.00	5.00	>2.00	10,000	N	N	N	20	50
8WD004M5	35 6 47	80 50 52	20.0	5.00	3.00	>2.00	>10,000	N	N	N	20	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A4--Continued						
8CE001M5	N	N	N	100	2,000	50	700	N	100	20	300
8CE002M5	N	N	N	100	700	50	N	N	100	20	20
8CE003M5	N	N	N	100	1,000	50	50	N	70	20	70
8CE004M5	N	N	N	100	500	50	<50	N	100	20	20
8CE005M5	N	N	N	100	300	30	N	N	100	20	100
8CE007M5	N	N	N	100	500	50	150	N	70	20	30
8CE008M5	N	N	N	100	500	50	50	N	100	15	30
8CE009M5	N	N	N	100	700	50	N	N	70	20	30
8CE010M5	N	N	N	100	1,000	50	70	N	100	50	20
8CE011M5	N	N	N	100	2,000	50	<50	N	150	30	50
8CE012M5	N	N	N	100	1,500	30	N	N	70	20	50
8CE013M5	N	N	N	20	200	20	N	N	<50	15	50
8CE014M5	N	N	N	100	10,000	50	N	N	70	30	30
8CW001M5	N	N	N	30	70	15	N	N	150	10	N
8CW002M5	N	N	N	50	150	20	N	N	50	50	20
8CW003M5	N	N	N	50	150	10	N	N	100	20	N
8CW004M5	N	N	N	50	150	30	N	N	70	30	20
8CW005M5	N	N	N	30	50	30	N	N	70	<10	50
8CW006M5	N	N	N	50	30	50	50	N	100	<10	100
8CW007M5	N	N	N	50	200	20	N	N	100	15	N
8CW008M5	N	N	N	30	70	10	N	N	70	20	N
8CW009M5	N	N	N	50	100	20	N	N	70	15	N
8CW010M5	N	N	N	100	700	50	500	N	100	10	20
8CW011M5	N	N	N	50	70	15	N	N	100	20	N
8CW012M5	N	N	N	100	70	50	N	N	50	<10	20
8CW013M5	N	N	N	100	2,000	50	100	N	100	<10	20
8CW014M5	N	N	N	70	50	30	N	N	200	<10	N
8CW015M5	N	N	N	300	2,000	150	700	N	200	20	50
8CW016M5	N	N	N	200	3,000	70	N	N	150	20	50
8CW017M5	N	N	N	200	5,000	100	100	N	70	20	500
8CW018M5	N	N	N	150	10,000	100	100	N	100	20	7,000
8CW019M5	N	N	N	150	5,000	100	50	N	100	20	70
8CW020M5	N	N	N	100	3,000	70	300	N	50	20	100
8CW021M5	N	N	N	200	1,500	70	N	N	70	10	<20
8CW022M5	N	N	N	150	3,000	50	N	N	70	<10	200
8CW023M5	N	N	N	150	3,000	70	50	N	50	10	150
8WD001M5	N	N	N	10	1,500	20	100	N	100	10	30
8WD002M5	N	N	N	50	2,000	30	50	N	70	50	30
8WD003M5	N	N	N	30	300	30	200	N	50	50	30
8WD004M5	N	N	N	50	500	50	50	N	50	50	20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A4--Continued					
8CE001M5	N	30	N	200	200	N	100	N	>2,000	N
8CE002M5	N	15	N	N	300	N	20	<500	1,500	N
8CE003M5	N	20	N	500	200	N	70	<500	1,500	N
8CE004M5	N	50	N	200	300	N	50	N	>2,000	N
8CE005M5	N	30	N	N	300	N	30	500	1,000	N
8CE007M5	N	30	N	200	200	N	70	<500	>2,000	N
8CE008M5	N	20	N	N	200	N	30	500	1,000	N
8CE009M5	N	20	N	200	200	N	20	N	500	N
8CE010M5	N	50	N	200	300	N	50	500	>2,000	N
8CE011M5	N	20	N	<200	300	N	30	1,000	1,000	N
8CE012M5	N	15	N	N	300	N	30	700	700	N
8CE013M5	N	10	N	N	100	N	<20	N	50	N
8CE014M5	N	20	N	N	200	N	30	3,000	1,000	N
8CW001M5	N	30	N	N	500	N	20	N	500	N
8CW002M5	N	50	N	N	700	N	<20	N	70	N
8CW003M5	N	50	N	N	700	N	20	N	2,000	N
8CW004M5	N	50	N	N	700	N	30	N	>2,000	N
8CW005M5	N	30	N	N	500	N	100	N	>2,000	N
8CW006M5	N	30	N	N	500	N	50	N	>2,000	N
8CW007M5	N	50	N	N	700	N	30	N	>2,000	N
8CW008M5	N	50	N	N	700	N	<20	N	200	N
8CW009M5	N	30	N	N	700	N	20	N	1,000	N
8CW010M5	N	50	N	N	500	N	70	N	>2,000	N
8CW011M5	N	50	N	N	700	N	20	N	500	N
8CW012M5	N	30	N	N	300	N	50	N	>2,000	N
8CW013M5	N	50	N	200	300	N	50	N	>2,000	N
8CW014M5	N	50	N	N	500	N	50	N	200	N
8CW015M5	N	50	N	300	500	N	70	N	>2,000	N
8CW016M5	N	30	N	500	300	N	50	N	>2,000	N
8CW017M5	N	50	N	300	500	N	70	500	>2,000	N
8CW018M5	N	50	N	300	300	N	70	1,000	>2,000	N
8CW019M5	N	70	N	1,000	500	N	100	N	>2,000	N
8CW020M5	N	50	N	<200	300	N	100	500	>2,000	N
8CW021M5	N	70	N	500	500	N	100	N	>2,000	N
8CW022M5	N	50	N	<200	500	N	100	N	>2,000	N
8CW023M5	N	30	N	200	300	N	70	N	>2,000	N
8WD001M5	N	30	N	<200	500	N	70	N	>2,000	N
8WD002M5	N	30	N	200	500	N	70	N	>2,000	N
8WD003M5	N	50	N	200	500	N	100	N	>2,000	N
8WD004M5	N	30	N	200	500	N	70	N	>2,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A4--Continued							
8WD005M5	35 5 42	80 51 28	30.0	2.00	3.00	>2.00	>10,000	N	N	N	<20	50
8WD006M5	35 2 18	80 51 40	30.0	.20	1.00	>2.00	10,000	N	N	N	<20	<50
8WD007M5	35 0 38	80 52 33	20.0	.15	.30	>2.00	>10,000	N	N	N	<20	N
8WD008M5	35 1 27	80 50 6	30.0	.70	N	>2.00	10,000	N	N	N	<20	N
8WD009M5	35 0 41	80 49 36	30.0	1.00	N	>2.00	10,000	N	N	N	<20	N
8WD010M5	35 2 10	80 45 54	20.0	.10	<.10	>2.00	>10,000	N	N	N	<20	<50
8WD011M5	35 2 20	80 46 23	30.0	.50	N	>2.00	7,000	N	N	N	<20	<50
8WD012M5	35 3 42	80 45 24	20.0	.10	.10	>2.00	>10,000	N	N	N	<20	N
8WD013M5	35 4 43	80 46 36	30.0	.10	.10	>2.00	>10,000	N	N	N	<20	N
8WD014M5	35 5 45	80 46 33	30.0	.50	.70	>2.00	>10,000	N	N	N	<20	<50
8WD015M5	35 6 58	80 46 54	30.0	.30	.50	>2.00	>10,000	N	N	N	<20	N
8WD016M5	35 6 18	80 48 41	20.0	1.00	1.50	>2.00	>10,000	N	N	N	<20	50
8WD017M5	35 4 3	80 50 52	30.0	1.00	.30	>2.00	10,000	N	N	N	<20	<50
8WD019M5	35 2 11	80 48 33	30.0	.70	.10	>2.00	>10,000	N	N	N	<20	<50
8WD020M5	35 1 53	80 49 9	30.0	.50	.10	>2.00	10,000	N	N	N	<20	50
8WD021M5	35 3 29	80 47 50	30.0	.50	.10	>2.00	>10,000	N	N	N	<20	50
8WD022M5	35 2 15	80 47 33	30.0	.70	.15	>2.00	7,000	N	N	N	<20	<50
8WD023M5	35 5 48	80 50 3	20.0	1.00	1.50	>2.00	>10,000	N	N	N	<20	70
					A5							
8BE001M5	35 8 1	81 6 9	30.0	.50	1.00	>2.00	>10,000	N	N	N	<20	<50
8BE002M5	35 9 11	81 6 55	30.0	.30	1.00	>2.00	>10,000	N	N	N	<20	50
8BE003M5	35 12 41	81 7 14	20.0	.15	.30	>2.00	>10,000	N	N	N	20	<50
8BE004M5	35 12 25	81 7 5	30.0	.50	1.50	>2.00	>10,000	2.0	N	N	20	50
8BE005M5	35 12 0	81 6 25	30.0	.20	.20	>2.00	>10,000	N	N	N	20	50
8BE006M5	35 13 55	81 5 55	20.0	.10	2.00	>2.00	>10,000	N	N	N	20	50
8BE007M5	35 14 34	81 5 35	30.0	.20	1.00	>2.00	>10,000	N	N	N	20	50
8BE008M5	35 14 39	81 3 21	20.0	1.50	5.00	>2.00	>10,000	N	N	N	20	50
8BE009M5	35 14 43	81 1 14	30.0	1.00	2.00	>2.00	>10,000	N	N	N	20	50
8BE010M5	35 12 56	81 0 57	30.0	.70	3.00	>2.00	>10,000	N	N	N	50	50
8BE011M5	35 8 8	81 4 33	20.0	2.00	5.00	>2.00	>10,000	N	N	N	20	100
8BE012M5	35 9 49	81 5 9	30.0	.30	.30	>2.00	>10,000	N	N	N	<20	N
8BE013M5	35 10 31	81 5 22	30.0	.20	.15	>2.00	>10,000	N	N	N	<20	<50
8BE014M5	35 10 33	81 5 24	30.0	.50	1.50	>2.00	>10,000	N	N	N	<20	70
8BE015M5	35 8 8	81 0 25	30.0	2.00	1.50	>2.00	10,000	N	N	N	20	70
8CO001M5	35 7 20	81 10 40	50.0	.05	.10	>2.00	10,000	N	N	N	<20	N
8CO002M5	35 6 24	81 8 22	20.0	2.00	5.00	>2.00	>10,000	N	N	N	<20	70
8CO003M5	35 7 10	81 8 33	50.0	.50	2.00	>2.00	>10,000	N	N	N	<20	50
8CO004M5	35 3 9	81 8 55	50.0	.15	.20	>2.00	>10,000	N	N	N	<20	50
8CO005M5	35 6 17	81 14 35	30.0	.20	1.00	>2.00	>10,000	N	N	N	20	50
8CO006M5	35 6 8	81 15 0	30.0	.30	1.50	>2.00	>10,000	N	N	N	<20	50
8CO007M5	35 4 54	81 14 35	50.0	.20	.15	>2.00	>10,000	N	N	N	<20	N
8CO008M5	35 3 40	81 13 25	50.0	1.50	3.00	>2.00	>10,000	N	N	N	20	50
8CO009M5	35 3 35	81 13 23	50.0	.50	1.00	>2.00	>10,000	N	N	N	50	70
8CO010M5	35 1 50	81 14 30	50.0	.30	1.00	>2.00	>10,000	N	N	N	<20	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A4--Continued						
8WD005M5	N	N	N	30	700	50	200	N	50	30	20
8WD006M5	N	N	N	20	100	30	N	N	100	20	50
8WD007M5	N	N	N	15	3,000	15	300	N	70	10	30
8WD008M5	N	N	N	30	100	10	N	N	<50	50	<20
8WD009M5	N	N	N	30	200	15	N	N	50	50	20
8WD010M5	N	N	N	15	70	20	500	N	300	<10	20
8WD011M5	N	N	N	20	50	<10	N	N	50	<10	<20
8WD012M5	N	N	N	15	70	15	1,000	N	1,000	<10	100
8WD013M5	N	N	N	15	100	15	500	N	100	10	20
8WD014M5	N	N	N	15	200	20	N	N	150	<10	20
8WD015M5	N	N	N	20	100	10	N	N	100	<10	<20
8WD016M5	N	N	N	20	100	15	N	N	50	10	<20
8WD017M5	N	N	N	20	200	20	70	N	70	10	<20
8WD019M5	N	N	N	20	70	<10	N	N	100	10	<20
8WD020M5	N	N	N	30	200	10	N	N	100	20	20
8WD021M5	N	N	N	15	70	<10	N	N	200	<10	<20
8WD022M5	N	N	N	20	100	<10	N	N	70	10	N
8WD023M5	N	N	N	20	150	20	N	N	70	15	30
					A5--Continued						
8BE001M5	N	N	N	150	70	70	N	N	<50	10	30
8BE002M5	N	N	N	100	300	50	N	N	70	10	50
8BE003M5	N	N	N	100	70	100	N	N	100	<10	50
8BE004M5	N	N	N	150	3,000	70	50	N	150	10	100
8BE005M5	N	N	N	100	3,000	70	N	N	70	10	30
8BE006M5	N	N	N	100	2,000	70	700	N	50	10	70
8BE007M5	N	N	N	150	500	100	N	N	50	10	30
8BE008M5	N	N	N	200	10,000	50	N	N	50	30	50
8BE009M5	N	N	N	500	500	100	N	N	50	20	500
8BE010M5	N	N	N	500	300	100	N	N	70	20	20
8BE011M5	N	N	N	300	1,500	70	N	N	50	30	30
8BE012M5	N	N	N	100	1,000	30	N	N	50	<10	N
8BE013M5	N	N	N	100	70	50	N	N	50	<10	<20
8BE014M5	N	N	N	150	100	70	N	N	<50	<10	30
8BE015M5	N	N	N	70	200	20	N	N	70	50	N
8CO001M5	N	N	N	30	100	50	>2,000	N	50	<10	50
8CO002M5	N	N	N	50	100	20	100	N	<50	10	30
8CO003M5	N	N	N	50	200	70	500	N	70	10	50
8CO004M5	N	N	N	70	200	50	300	N	100	<10	50
8CO005M5	N	N	N	150	300	50	N	N	300	10	70
8CO006M5	N	N	N	50	300	70	N	N	70	<10	50
8CO007M5	N	N	N	50	500	30	N	N	70	<10	30
8CO008M5	N	N	N	200	700	50	N	N	100	10	30
8CO009M5	N	N	N	150	1,000	50	100	N	70	<10	50
8CO010M5	N	N	N	100	700	30	N	N	100	<10	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A4--Continued					
8WD005M5	N	20	N	300	500	N	100	N	>2,000	N
8WD006M5	N	50	N	<200	500	N	50	N	>2,000	N
8WD007M5	N	20	N	N	300	N	100	N	>2,000	N
8WD008M5	N	50	N	N	500	N	20	N	300	N
8WD009M5	N	70	N	N	700	N	20	N	300	N
8WD010M5	N	70	N	N	300	N	200	N	>2,000	N
8WD011M5	N	50	N	N	700	N	20	N	200	N
8WD012M5	N	70	N	N	200	N	500	500	>2,000	N
8WD013M5	N	70	N	N	500	N	150	N	>2,000	N
8WD014M5	N	30	N	<200	500	N	70	N	>2,000	N
8WD015M5	N	20	N	<200	500	N	100	N	>2,000	N
8WD016M5	N	20	N	200	500	N	100	N	>2,000	N
8WD017M5	N	50	N	N	500	N	70	N	>2,000	N
8WD019M5	N	100	N	N	500	N	30	<500	2,000	N
8WD020M5	N	70	N	N	700	N	50	<500	1,500	N
8WD021M5	N	100	N	N	500	N	50	500	>2,000	N
8WD022M5	N	100	N	N	700	N	30	N	>2,000	N
8WD023M5	N	30	N	200	500	N	70	N	>2,000	N
					A5--Continued					
8BE001M5	N	20	N	N	500	N	30	N	100	N
8BE002M5	N	30	N	<200	500	N	50	N	500	N
8BE003M5	N	30	N	N	300	N	50	N	500	N
8BE004M5	N	20	N	<200	300	N	70	N	700	N
8BE005M5	N	20	N	N	500	N	70	N	1,000	N
8BE006M5	N	50	N	300	500	N	100	N	>2,000	N
8BE007M5	N	50	N	N	500	N	70	N	300	N
8BE008M5	N	70	N	300	500	N	70	N	1,000	N
8BE009M5	N	50	N	200	500	N	70	N	>2,000	N
8BE010M5	N	50	N	200	700	N	70	N	>2,000	N
8BE011M5	N	150	N	500	500	N	100	N	>2,000	N
8BE012M5	N	20	N	N	700	N	50	N	>2,000	N
8BE013M5	N	20	N	N	500	N	50	N	1,000	N
8BE014M5	N	30	N	<200	700	N	100	N	700	N
8BE015M5	N	50	N	N	700	N	50	N	500	N
8CO001M5	N	50	N	N	500	N	200	N	>2,000	1,000
8CO002M5	N	70	N	200	700	N	70	N	1,000	N
8CO003M5	N	70	N	N	1,000	N	100	N	>2,000	N
8CO004M5	N	20	N	N	500	N	70	<500	300	N
8CO005M5	N	30	N	N	500	N	100	<500	>2,000	N
8CO006M5	N	50	N	N	700	N	150	700	>2,000	N
8CO007M5	N	50	N	N	700	N	70	500	2,000	N
8CO008M5	N	100	N	200	500	N	200	N	>2,000	N
8CO009M5	N	50	N	N	500	N	70	N	>2,000	N
8CO010M5	N	50	N	200	500	N	100	N	200	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
						A5--Continued						
8CO011M5	35 1 25	81 13 25	50.0	.10	.70	>2.00	>10,000	N	N	N	<20	70
8CO012M5	35 1 10	81 13 36	50.0	.10	.70	>2.00	>10,000	N	N	N	<20	70
8CO013M5	35 1 14	81 12 11	50.0	1.00	1.50	>2.00	>10,000	N	N	N	<20	50
8CO014M5	35 3 6	81 11 21	30.0	.70	1.50	>2.00	>10,000	N	N	N	<20	50
8CO015M5	35 4 7	81 11 24	50.0	.20	.30	>2.00	>10,000	N	N	N	<20	<50
8CO016M5	35 4 38	81 12 38	30.0	.30	.50	>2.00	>10,000	N	N	N	<20	50
8CO017M5	35 4 39	81 12 28	50.0	.05	.10	>2.00	10,000	N	N	N	<20	N
8CO018M5	35 3 44	81 12 30	50.0	.70	1.00	>2.00	>10,000	N	N	N	<20	<50
8CO019M5	35 1 2	81 9 29	30.0	.15	.10	>2.00	>10,000	N	N	N	20	<50
8CO020M5	35 0 31	81 8 42	30.0	1.00	1.00	>2.00	>10,000	N	N	N	20	50
8CO021M5	35 5 34	81 12 30	50.0	.05	.10	>2.00	10,000	N	N	N	<20	N
8CO022M5	35 4 29	81 10 45	30.0	1.00	3.00	>2.00	>10,000	N	N	N	20	50
8CO023M5	35 4 56	81 10 20	30.0	1.50	3.00	>2.00	>10,000	N	N	N	<20	<50
8CO024M5	35 3 49	81 9 19	20.0	3.00	10.00	>2.00	>10,000	N	N	N	20	50
8CO025M5	35 3 8	81 11 5	30.0	1.00	1.50	>2.00	>10,000	N	N	N	<20	<50
8CO026M5	35 0 44	81 12 58	30.0	.20	1.00	>2.00	>10,000	N	N	N	<20	50
8CO027M5	35 1 13	81 8 10	30.0	1.50	3.00	>2.00	>10,000	N	N	N	70	50
8CO028M5	35 2 19	81 8 13	30.0	.15	.20	>2.00	>10,000	N	N	N	<20	50
8CO029M5	35 6 11	81 10 23	50.0	.10	.20	>2.00	>10,000	N	N	N	<20	<50
8CO030M5	35 4 49	81 9 11	30.0	2.00	5.00	>2.00	>10,000	N	N	N	<20	50
8CO031M5	35 2 21	81 9 36	50.0	.10	.30	>2.00	>10,000	N	N	N	20	50
8CO032M5	35 4 29	81 7 41	50.0	1.00	3.00	>2.00	>10,000	N	N	N	<20	70
8CO033M5	35 6 35	81 7 38	30.0	.70	2.00	>2.00	>10,000	N	N	N	<20	50
8GS001M5	35 14 26	81 14 39	50.0	.10	.10	>2.00	10,000	N	N	N	20	N
8GS002M5	35 12 56	81 14 39	30.0	.05	.15	>2.00	5,000	N	N	N	<20	N
8GS003M5	35 11 25	81 14 18	30.0	.07	.10	>2.00	10,000	N	N	N	<20	N
8GS004M5	35 8 49	81 14 5	20.0	.30	3.00	>2.00	>10,000	N	N	N	<20	N
8GS005M5	35 8 17	81 13 57	20.0	.15	2.00	>2.00	>10,000	N	N	N	<20	N
8GS006M5	35 8 30	81 12 52	30.0	.10	.15	>2.00	>10,000	N	N	N	<20	N
8GS007M5	35 8 44	81 9 5	30.0	.15	.50	>2.00	>10,000	N	N	N	<20	<50
8GS008M5	35 13 34	81 12 52	30.0	.20	.20	>2.00	>10,000	5.0	N	N	<20	50
8GS009M5	35 13 43	81 14 23	50.0	.10	.20	>2.00	>10,000	N	N	N	<20	50
8GS010M5	35 9 41	81 13 7	30.0	.50	3.00	>2.00	>10,000	N	N	N	<20	100
8GS011M5	35 7 45	81 12 21	30.0	.20	.50	>2.00	7,000	N	N	N	<20	N
8GS012M5	35 7 51	81 11 22	50.0	.05	.10	>2.00	10,000	N	N	N	<20	N
8GS013M5	35 14 33	81 13 6	30.0	.07	.15	>2.00	>10,000	N	N	N	<20	50
8GS014M5	35 12 17	81 11 45	30.0	.05	.10	>2.00	>10,000	N	N	N	<20	N
8GS015M5	35 11 20	81 11 59	30.0	.07	.15	>2.00	>10,000	N	N	N	<20	<50
8GS016M5	35 11 20	81 12 3	30.0	.15	.10	>2.00	>10,000	N	N	N	<20	<50
8GS017M5	35 9 35	81 10 11	30.0	.30	1.00	>2.00	>10,000	N	N	N	50	<50
8GS018M5	35 10 19	81 11 36	50.0	.10	.10	>2.00	>10,000	N	N	N	<20	N
8GS019M5	35 14 12	81 10 25	30.0	.15	.10	>2.00	>10,000	N	N	N	<20	<50
8GS020M5	35 14 22	81 10 27	50.0	.15	.15	>2.00	>10,000	N	N	N	<20	<50
8GS021M5	35 14 11	81 9 12	50.0	.10	.20	>2.00	>10,000	N	N	N	<20	50
8GS022M5	35 13 49	81 8 1	50.0	.10	.15	>2.00	>10,000	N	N	N	<20	<50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A5--Continued						
8CO011M5	N	N	N	100	700	30	N	N	70	<10	50
8CO012M5	N	N	N	150	700	30	N	N	70	<10	30
8CO013M5	N	N	N	100	200	50	N	N	150	10	50
8CO014M5	N	N	N	150	200	70	N	N	70	10	20
8CO015M5	N	N	N	50	150	50	>2,000	N	70	<10	50
8CO016M5	N	N	N	100	5,000	70	>2,000	N	50	10	50
8CO017M5	N	N	N	20	100	50	2,000	N	70	<10	30
8CO018M5	N	N	N	100	150	30	N	N	100	10	30
8CO019M5	N	N	N	100	200	30	N	N	100	<10	50
8CO020M5	N	N	N	100	1,500	50	<50	N	100	10	30
8CO021M5	N	N	N	30	100	50	>2,000	N	50	<10	50
8CO022M5	N	N	N	100	1,000	50	500	N	50	10	30
8CO023M5	N	N	N	150	200	30	1,000	N	50	10	30
8CO024M5	N	N	N	100	150	30	<50	N	<50	10	30
8CO025M5	N	N	N	100	150	50	2,000	N	70	10	30
8CO026M5	N	N	N	100	200	30	N	N	70	<10	50
8CO027M5	N	N	N	100	300	30	50	N	200	10	30
8CO028M5	N	N	N	100	200	50	100	N	100	10	30
8CO029M5	N	N	N	70	200	70	>2,000	N	50	<10	150
8CO030M5	N	N	N	100	100	20	N	N	<50	<10	30
8CO031M5	N	N	N	100	150	50	<50	N	70	<10	30
8CO032M5	N	N	N	100	500	50	100	N	100	10	30
8CO033M5	N	N	N	100	700	50	N	N	70	<10	20
8GS001M5	N	N	N	30	200	<10	N	N	70	<10	30
8GS002M5	N	N	N	30	200	10	N	N	50	10	20
8GS003M5	N	N	N	30	200	10	70	N	70	10	20
8GS004M5	N	N	N	50	100	30	50	N	100	10	30
8GS005M5	N	N	N	30	300	50	70	N	150	<10	50
8GS006M5	N	N	N	20	50	50	2,000	N	100	<10	50
8GS007M5	N	N	N	70	500	50	N	N	70	<10	20
8GS008M5	N	N	N	30	100	30	200	N	100	<10	70
8GS009M5	N	N	N	50	300	10	<50	N	70	10	<20
8GS010M5	N	N	N	70	200	50	<50	N	70	<10	30
8GS011M5	N	N	N	30	70	50	200	N	70	<10	20
8GS012M5	N	N	N	20	70	70	2,000	N	50	<10	30
8GS013M5	N	N	N	30	150	30	1,000	N	100	<10	100
8GS014M5	N	N	N	30	150	50	<50	N	100	<10	70
8GS015M5	N	N	N	30	200	50	50	N	200	10	30
8GS016M5	N	N	N	50	300	30	<50	N	150	<10	70
8GS017M5	N	N	N	150	200	70	N	N	50	10	30
8GS018M5	N	N	N	30	300	20	300	N	100	10	30
8GS019M5	N	N	N	30	150	30	50	N	100	<10	50
8GS020M5	N	N	N	30	100	30	<50	N	100	<10	200
8GS021M5	N	N	N	30	200	30	200	N	100	<10	70
8GS022M5	N	N	N	30	150	30	50	N	100	<10	200

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A5--Continued					
8CO011M5	N	50	N	200	700	N	100	N	1,000	N
8CO012M5	N	70	N	N	500	N	70	N	2,000	N
8CO013M5	N	70	N	N	500	N	200	N	700	N
8CO014M5	N	50	N	N	500	N	50	N	1,000	N
8CO015M5	N	70	N	N	700	N	500	N	>2,000	1,500
8CO016M5	N	50	N	N	500	N	300	N	>2,000	1,000
8CO017M5	N	70	30	N	1,000	N	150	N	>2,000	300
8CO018M5	N	70	N	N	700	N	150	N	>2,000	N
8CO019M5	N	30	N	N	500	N	150	N	200	N
8CO020M5	N	70	200	N	500	N	150	N	500	N
8CO021M5	N	70	<20	N	1,000	N	300	N	>2,000	1,000
8CO022M5	N	70	N	<200	700	N	150	N	500	N
8CO023M5	N	70	N	<200	700	N	150	N	1,500	200
8CO024M5	N	100	N	700	700	N	100	N	1,000	N
8CO025M5	N	50	N	N	500	N	300	N	1,500	500
8CO026M5	N	50	N	500	500	N	50	N	>2,000	N
8CO027M5	N	50	N	300	500	N	150	N	300	N
8CO028M5	N	30	N	N	500	N	70	N	200	N
8CO029M5	N	70	N	N	500	N	500	N	2,000	2,000
8CO030M5	N	100	N	500	500	N	70	N	1,500	N
8CO031M5	N	30	N	N	500	N	70	N	500	N
8CO032M5	N	50	N	500	300	N	70	N	500	N
8CO033M5	N	50	N	<200	300	N	50	N	1,000	N
8GS001M5	N	50	N	N	1,000	N	300	N	500	N
8GS002M5	N	50	N	N	2,000	N	20	N	500	N
8GS003M5	N	50	N	N	1,000	N	150	N	300	N
8GS004M5	N	50	N	200	700	N	150	N	1,000	N
8GS005M5	N	50	N	<200	700	N	100	N	1,000	N
8GS006M5	N	50	N	N	700	N	500	N	>2,000	300
8GS007M5	N	30	N	N	200	N	200	N	2,000	N
8GS008M5	N	30	N	N	700	N	30	N	>2,000	N
8GS009M5	N	100	N	N	1,000	N	50	N	700	N
8GS010M5	N	70	N	200	700	N	150	N	1,000	N
8GS011M5	N	30	N	<200	1,000	N	50	N	>2,000	N
8GS012M5	N	50	N	N	1,000	N	500	N	>2,000	500
8GS013M5	N	30	N	N	700	N	100	N	>2,000	200
8GS014M5	N	30	N	N	500	N	50	N	2,000	N
8GS015M5	N	70	N	N	500	N	150	N	>2,000	N
8GS016M5	N	70	N	N	500	N	50	N	2,000	N
8GS017M5	N	50	N	N	500	N	150	N	500	N
8GS018M5	N	70	N	N	1,000	N	150	N	700	N
8GS019M5	N	50	N	N	700	N	50	N	2,000	N
8GS020M5	N	50	N	N	1,000	N	30	N	2,000	N
8GS021M5	N	70	N	N	700	N	200	N	1,500	N
8GS022M5	N	50	N	N	700	N	50	N	1,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A5--Continued							
8GS023M5	35 12 35	81 8 0	30.0	.10	.50	>2.00	>10,000	N	N	N	<20	50
8GS024M5	35 12 4	81 7 56	30.0	.07	.70	>2.00	>10,000	N	N	N	20	50
8LY001M5	35 0 55	81 7 26	30.0	.20	.15	>2.00	>10,000	N	N	N	<20	50
8LY002M5	35 0 59	81 7 25	30.0	1.00	2.00	>2.00	>10,000	N	N	N	20	50
8LY003M5	35 0 21	81 3 4	30.0	.70	2.00	>2.00	>10,000	N	N	N	<20	50
8LY004M5	35 0 1	81 4 28	50.0	.50	2.00	>2.00	>10,000	N	N	N	<20	50
8LY005M5	35 0 17	81 6 2	30.0	2.00	5.00	>2.00	>10,000	N	N	N	<20	70
8LY006M5	35 1 50	81 6 17	30.0	2.00	3.00	>2.00	>10,000	N	N	N	20	50
8LY007M5	35 1 52	81 6 15	30.0	1.00	1.00	>2.00	>10,000	N	N	N	<20	50
8LY008M5	35 3 52	81 7 30	30.0	2.00	7.00	>2.00	>10,000	N	N	N	<20	50
8LY009M5	35 4 39	81 7 14	20.0	2.00	5.00	>2.00	>10,000	N	N	N	<20	50
8LY010M5	35 4 2	81 7 7	30.0	1.50	5.00	>2.00	>10,000	N	N	N	20	70
8LY011M5	35 4 26	81 5 37	50.0	2.00	3.00	>2.00	>10,000	N	N	N	700	100
8LY012M5	35 4 52	81 5 45	50.0	1.50	2.00	>2.00	>10,000	N	N	N	<20	70
8LY013M5	35 5 25	81 6 22	<50.0	1.00	3.00	>2.00	>10,000	N	N	N	<20	<20
8LY014M5	35 7 21	81 3 36	30.0	.30	.30	>2.00	>10,000	N	N	N	<20	50
8LY015M5	35 4 53	81 1 53	50.0	.20	2.00	>2.00	5,000	N	N	N	N	N
8LY016M5	35 5 9	81 1 42	50.0	.70	2.00	>2.00	7,000	N	N	N	N	N
8LY017M5	35 6 50	81 1 9	30.0	1.00	1.00	>2.00	>10,000	N	N	N	N	N
8LY018M5	35 3 15	81 1 7	50.0	.30	1.00	>2.00	7,000	N	N	N	N	N
					A6							
8C0006M5	35 6 8	81 15 0	30.0	.30	1.50	>2.00	>10,000	N	N	N	<20	50
8FL001M5	35 6 1	81 16 58	30.0	.30	.15	>2.00	>10,000	N	N	N	50	N
8FL002M5	35 6 34	81 15 54	20.0	.20	.15	>2.00	10,000	N	N	N	50	N
8FL003M5	35 6 46	81 15 42	30.0	.20	.20	>2.00	5,000	N	N	N	20	N
8FL004M5	35 7 6	81 15 14	30.0	.20	.50	>2.00	5,000	N	N	N	<20	N
8FL005M5	35 5 22	81 16 12	30.0	.30	.20	>2.00	10,000	N	N	N	20	N
8FL006M5	35 4 5	81 15 10	30.0	.05	<.10	>2.00	>10,000	N	N	N	<20	N
8FL007M5	35 4 7	81 15 14	30.0	.15	.10	>2.00	10,000	N	N	N	<20	N
8FL008M5	35 1 28	81 15 59	20.0	.20	.30	>2.00	>10,000	N	N	N	<20	<50
8FL009M5	35 1 28	81 16 3	30.0	.05	.30	>2.00	>10,000	N	N	N	<20	<50
8FL010M5	35 0 22	81 16 50	20.0	.50	.70	>2.00	>10,000	N	N	N	<20	N
8FL011M5	35 0 17	81 17 3	30.0	.30	1.00	>2.00	10,000	N	N	N	<20	70
8FL012M5	35 0 44	81 18 29	20.0	.15	.20	>2.00	>10,000	N	N	N	20	N
8FL013M5	35 2 49	81 17 29	20.0	.05	<.10	>2.00	>10,000	N	N	N	N	N
8FL014M5	35 3 6	81 17 28	20.0	.20	.70	>2.00	10,000	N	N	N	<20	N
8FL015M5	35 4 47	81 18 0	30.0	.20	.10	>2.00	7,000	N	N	N	<20	N
8FL016M5	35 3 0	81 17 54	20.0	.15	.10	>2.00	7,000	N	N	N	20	N
8FL017M5	35 0 40	81 20 3	20.0	.20	.10	>2.00	10,000	N	N	N	20	N
8FL018M5	35 2 6	81 18 46	20.0	.10	.15	>2.00	10,000	N	N	N	<20	N
8FL019M5	35 2 38	81 19 41	20.0	.20	.20	>2.00	7,000	N	N	N	30	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A5--Continued						
8GS023M5	N	N	N	70	1,000	70	N	N	70	<10	50
8GS024M5	N	N	N	70	200	50	N	N	70	<10	150
8LY001M5	N	N	N	70	100	70	N	N	70	<10	50
8LY002M5	N	N	N	100	500	50	70	N	200	10	50
8LY003M5	N	N	N	70	200	50	N	N	100	20	50
8LY004M5	N	N	N	100	300	20	50	N	70	30	50
8LY005M5	N	N	N	100	300	30	N	N	50	50	50
8LY006M5	N	N	N	100	300	50	N	N	50	50	30
8LY007M5	N	N	N	150	300	70	N	N	N	50	20
8LY008M5	N	N	N	100	1,000	100	N	N	70	20	30
8LY009M5	N	N	N	100	300	100	N	N	100	20	30
8LY010M5	N	N	N	200	2,000	70	<50	N	150	20	30
8LY011M5	N	N	N	300	1,500	100	150	N	50	100	30
8LY012M5	N	N	N	300	1,500	100	N	N	50	30	30
8LY013M5	N	N	N	100	700	70	N	N	50	15	30
8LY014M5	N	N	N	100	200	50	N	N	<50	20	<20
8LY015M5	N	N	N	70	200	<10	N	N	50	30	30
8LY016M5	N	N	N	100	500	10	N	N	50	50	70
8LY017M5	N	N	N	70	100	10	N	N	100	20	20
8LY018M5	N	N	N	50	300	<10	N	N	50	20	100
					A6--Continued						
8CO006M5	N	N	N	50	300	70	N	N	70	<10	50
8FL001M5	N	N	N	100	100	70	<50	N	200	20	30
8FL002M5	N	N	N	100	100	70	N	N	200	20	30
8FL003M5	N	N	N	100	300	50	50	N	50	30	30
8FL004M5	N	N	N	70	300	50	N	N	70	30	20
8FL005M5	N	N	N	100	100	70	N	N	150	20	30
8FL006M5	N	N	N	70	150	70	N	N	300	15	50
8FL007M5	N	N	N	70	100	30	N	N	150	15	20
8FL008M5	N	N	N	100	700	50	N	N	150	20	30
8FL009M5	N	N	N	70	50	50	N	N	500	15	100
8FL010M5	N	N	N	150	1,000	50	N	N	200	30	50
8FL011M5	N	N	N	200	1,000	70	N	N	200	30	20
8FL012M5	N	N	N	70	50	50	N	N	500	15	70
8FL013M5	N	N	N	70	50	50	N	N	300	10	50
8FL014M5	N	N	N	70	100	50	N	N	300	20	50
8FL015M5	N	N	N	100	100	70	N	N	150	20	20
8FL016M5	N	N	N	100	100	70	N	N	200	20	20
8FL017M5	N	N	N	100	70	100	N	N	200	15	30
8FL018M5	N	N	N	100	100	70	N	N	300	15	30
8FL019M5	N	N	N	150	150	100	N	N	100	20	20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A5--Continued					
8GS023M5	N	50	N	N	200	N	70	N	1,000	N
8GS024M5	N	30	N	<200	200	N	70	N	1,500	N
8LY001M5	N	30	N	N	500	N	50	N	150	N
8LY002M5	N	70	N	200	500	N	500	N	2,000	N
8LY003M5	N	70	N	500	500	N	100	N	1,000	N
8LY004M5	N	70	N	700	500	N	50	N	1,500	N
8LY005M5	N	50	N	1,500	700	N	50	N	2,000	N
8LY006M5	N	70	N	200	500	N	100	N	150	N
8LY007M5	N	20	N	N	500	N	30	N	200	N
8LY008M5	N	70	N	700	500	N	70	N	700	N
8LY009M5	N	50	N	700	500	N	50	N	1,000	N
8LY010M5	N	50	N	300	500	N	300	N	1,000	N
8LY011M5	N	100	N	200	700	N	100	N	1,000	N
8LY012M5	N	30	N	N	500	N	70	N	1,000	N
8LY013M5	N	50	N	500	500	N	70	N	2,000	N
8LY014M5	N	30	N	N	500	N	50	N	300	N
8LY015M5	N	20	N	200	1,000	N	N	N	500	N
8LY016M5	N	70	N	700	1,500	N	N	500	700	N
8LY017M5	N	70	N	N	700	N	50	1,000	700	N
8LY018M5	N	100	N	2,000	1,000	N	50	N	300	N
					A6--Continued					
8CO006M5	N	50	N	N	700	N	150	700	>2,000	N
8FL001M5	N	50	N	N	300	N	100	1,000	200	N
8FL002M5	N	30	N	N	300	N	150	700	200	N
8FL003M5	N	20	N	N	500	N	70	N	150	N
8FL004M5	N	30	N	<200	700	N	150	N	300	N
8FL005M5	N	30	N	N	300	N	70	700	500	N
8FL006M5	N	70	N	N	200	N	20	1,000	150	N
8FL007M5	N	50	N	N	500	N	100	700	300	N
8FL008M5	N	70	N	N	300	N	200	500	200	N
8FL009M5	N	70	N	N	150	N	150	1,000	200	N
8FL010M5	N	50	N	<200	200	N	100	500	150	N
8FL011M5	N	30	N	200	200	N	50	500	200	N
8FL012M5	N	70	20	N	150	N	100	700	200	N
8FL013M5	N	70	N	N	150	N	20	1,000	150	N
8FL014M5	N	50	N	200	200	N	20	500	700	N
8FL015M5	N	20	N	N	500	N	20	500	700	N
8FL016M5	N	30	N	N	500	N	20	500	500	N
8FL017M5	N	20	N	N	300	N	30	500	300	N
8FL018M5	N	50	N	N	300	N	30	700	500	N
8FL019M5	N	30	N	N	500	N	70	500	500	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A6--Continued							
8FL020M5	35 2 53	81 20 13	20.0	.20	.30	>2.00	7,000	N	N	N	20	N
8FL021M5	35 2 54	81 20 8	20.0	.30	.30	>2.00	5,000	N	N	N	20	N
8FL022M5	35 2 8	81 20 41	20.0	.30	.50	>2.00	10,000	N	N	N	100	N
8FL023M5	35 1 58	81 20 45	20.0	.20	.10	>2.00	10,000	N	N	N	<20	N
8FL024M5	35 4 3	81 19 56	20.0	.20	.70	>2.00	7,000	N	N	N	<20	<50
8FL025M5	35 4 26	81 18 47	20.0	.50	.70	>2.00	10,000	N	N	N	50	<50
8FL026M5	35 4 28	81 18 39	20.0	.15	.20	>2.00	7,000	N	N	N	20	N
8FL027M5	35 6 25	81 21 1	20.0	.10	.20	>2.00	>10,000	N	N	N	<20	50
8FL028M5	35 6 11	81 20 50	20.0	.10	.15	>2.00	10,000	N	N	N	<20	N
8FL029M5	35 4 32	81 21 42	20.0	.15	.15	>2.00	10,000	N	N	N	20	N
8FL030M5	35 4 4	81 22 17	20.0	.15	.20	>2.00	10,000	N	N	N	<20	<50
8FL031M5	35 6 23	81 22 11	20.0	.10	.10	>2.00	10,000	N	N	N	<20	50
8FL032M5	35 6 42	81 22 0	20.0	.10	.10	>2.00	10,000	N	N	N	<20	50
8FL033M5	35 6 42	81 22 4	20.0	.10	.15	>2.00	7,000	N	N	N	<20	50
8GR001M5	35 11 21	81 22 58	20.0	.10	<.10	>2.00	10,000	N	N	N	50	N
8GR002M5	35 13 52	81 24 45	30.0	.20	.10	>2.00	7,000	N	N	N	<20	N
8GR003M5	35 13 44	81 23 24	30.0	.20	.10	>2.00	7,000	N	N	N	N	N
8GR004M5	35 14 50	81 23 59	30.0	.30	.20	>2.00	10,000	N	N	N	<20	N
8GR005M5	35 14 0	81 25 52	30.0	.15	<.10	>2.00	10,000	N	N	N	N	N
8GR006M5	35 13 45	81 25 48	30.0	.07	N	>2.00	10,000	N	N	N	<20	N
8GR007M5	35 13 45	81 26 49	30.0	.07	<.10	>2.00	10,000	N	N	N	<20	N
8GR008M5	35 13 20	81 27 22	30.0	.10	<.10	>2.00	>10,000	N	N	N	<20	N
8GR009M5	35 12 8	81 26 7	30.0	.07	N	>2.00	7,000	N	N	N	<20	N
8GR010M5	35 12 8	81 24 24	30.0	.15	N	>2.00	10,000	N	N	N	<20	N
8GR011M5	35 11 6	81 27 9	30.0	.15	N	>2.00	10,000	N	N	N	20	N
8GR014M5	35 10 34	81 28 48	30.0	.20	<.10	>2.00	>10,000	N	N	N	<20	N
8GR015M5	35 9 58	81 24 53	20.0	.30	.10	>2.00	10,000	N	N	N	300	N
8GR016M5	35 10 31	81 24 6	30.0	.20	N	>2.00	7,000	N	N	N	50	N
8GR017M5	35 10 7	81 23 6	30.0	.15	.20	>2.00	7,000	N	N	N	100	N
8GR018M5	35 9 57	81 23 6	50.0	.05	.10	>2.00	5,000	N	N	N	<20	50
8GR019M5	35 9 30	81 23 58	30.0	.50	.30	>2.00	10,000	N	N	N	500	N
8GR020M5	35 9 1	81 24 37	20.0	.50	.10	>2.00	5,000	N	N	N	300	N
8GR021M5	35 8 40	81 26 41	20.0	.50	.10	>2.00	7,000	N	N	N	300	N
8KM001M5	35 13 23	81 15 31	20.0	1.00	2.00	2.00	>10,000	N	N	N	50	50
8KM002M5	35 12 5	81 15 17	20.0	.50	2.00	>2.00	10,000	N	N	N	50	N
8KM003M5	35 10 15	81 15 28	15.0	1.00	1.00	>2.00	>10,000	N	N	N	50	N
8KM004M5	35 8 50	81 15 59	20.0	1.00	.30	>2.00	>10,000	N	N	N	20	N
8KM005M5	35 13 57	81 18 30	20.0	1.00	.10	>2.00	5,000	N	N	N	100	N
8KM006M5	35 13 55	81 18 29	20.0	.20	.10	>2.00	7,000	N	N	N	100	<50
8KM007M5	35 14 38	81 16 41	20.0	1.00	.50	2.00	>10,000	N	N	N	100	<50
8KM008M5	35 14 14	81 17 23	20.0	.50	2.00	2.00	>10,000	N	N	N	70	50
8KM009M5	35 13 21	81 18 13	30.0	.10	.10	>2.00	10,000	N	N	N	50	100
8KM010M5	35 12 41	81 17 23	30.0	.50	.50	2.00	>10,000	N	N	N	50	100
8KM011M5	35 10 55	81 16 28	20.0	1.00	.70	2.00	>10,000	N	N	N	50	N
8KM012M5	35 10 57	81 17 14	30.0	.15	.10	>2.00	5,000	N	N	N	30	100

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A6--Continued						
8FL020M5	N	N	N	200	150	150	N	N	50	50	20
8FL021M5	N	N	N	100	100	100	N	N	70	30	20
8FL022M5	N	N	N	150	150	150	100	N	50	20	<20
8FL023M5	N	N	N	150	100	100	N	N	70	20	<20
8FL024M5	N	N	N	100	100	50	N	N	70	20	20
8FL025M5	N	N	N	100	150	70	N	N	50	20	20
8FL026M5	N	N	N	150	100	100	N	N	100	20	20
8FL027M5	N	N	N	100	100	30	N	N	150	15	50
8FL028M5	N	N	N	100	70	50	<50	N	100	15	20
8FL029M5	N	N	N	100	100	30	N	N	100	15	20
8FL030M5	N	N	N	150	100	30	N	N	100	20	30
8FL031M5	N	N	N	100	70	30	N	N	100	15	30
8FL032M5	N	N	N	100	50	20	N	N	100	15	20
8FL033M5	N	N	N	100	100	30	N	N	100	20	30
8GR001M5	N	N	N	30	100	10	70	N	5,000	10	30
8GR002M5	N	N	N	50	100	N	70	N	150	<10	20
8GR003M5	N	N	N	30	30	N	N	N	50	<10	<20
8GR004M5	N	N	N	50	50	N	50	N	200	<10	20
8GR005M5	N	N	N	70	50	N	50	N	70	<10	20
8GR006M5	N	N	N	30	50	N	500	N	200	10	50
8GR007M5	N	N	N	50	30	N	<50	N	100	<10	20
8GR008M5	N	N	N	30	100	<10	700	N	2,000	<10	50
8GR009M5	N	N	N	30	50	10	100	N	1,000	<10	30
8GR010M5	N	N	N	50	70	10	150	N	1,000	<10	100
8GR011M5	N	N	N	50	200	10	100	N	3,000	<10	100
8GR014M5	N	N	N	50	70	10	500	N	500	10	70
8GR015M5	N	N	N	50	200	10	50	N	>5,000	20	70
8GR016M5	N	N	N	50	150	10	100	N	5,000	<10	30
8GR017M5	N	N	N	300	200	10	50	N	1,000	50	50
8GR018M5	N	N	N	50	200	<10	<50	N	N	15	20
8GR019M5	10	N	N	100	500	10	<50	N	500	20	30
8GR020M5	5	N	N	70	300	N	N	N	2,000	50	20
8GR021M5	5	N	N	100	300	N	N	N	2,000	70	20
8KM001M5	2	N	N	50	100	15	N	N	50	15	20
8KM002M5	2	N	N	50	200	30	N	N	100	30	30
8KM003M5	3	N	N	50	150	20	N	N	70	20	20
8KM004M5	2	N	N	50	100	50	200	N	500	15	20
8KM005M5	20	N	N	100	300	100	N	N	200	50	20
8KM006M5	7	N	N	200	300	50	N	N	500	50	50
8KM007M5	20	N	N	100	200	30	500	N	70	30	20
8KM008M5	<2	N	N	50	200	20	N	N	150	20	<20
8KM009M5	N	N	N	70	200	30	N	N	150	15	20
8KM010M5	N	N	N	100	150	50	N	N	300	20	20
8KM011M5	3	N	N	50	100	10	N	N	70	15	<20
8KM012M5	N	N	N	30	100	20	N	N	100	10	20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A6--Continued					
8FL020M5	N	15	N	N	300	N	20	500	100	N
8FL021M5	N	20	N	N	300	N	20	<500	150	N
8FL022M5	N	15	N	N	200	N	20	500	200	N
8FL023M5	N	20	N	N	500	N	50	500	300	N
8FL024M5	N	20	N	<200	500	N	30	500	300	N
8FL025M5	N	30	N	N	700	N	50	500	200	N
8FL026M5	N	30	N	N	500	N	50	500	200	N
8FL027M5	N	30	N	N	150	N	100	1,000	500	N
8FL028M5	N	20	200	N	500	N	100	500	500	N
8FL029M5	N	15	N	N	200	N	20	500	500	N
8FL030M5	N	15	N	N	300	N	20	500	700	N
8FL031M5	N	20	N	N	200	N	30	500	700	N
8FL032M5	N	20	N	N	200	N	50	700	700	N
8FL033M5	N	20	N	N	200	N	30	500	500	N
8GR001M5	N	70	200	N	100	N	500	700	200	N
8GR002M5	N	100	N	N	150	N	700	N	500	N
8GR003M5	N	50	N	N	100	N	300	N	50	N
8GR004M5	N	100	30	N	150	N	500	N	100	N
8GR005M5	N	100	N	N	100	N	300	N	200	N
8GR006M5	N	100	N	N	150	N	>5,000	N	300	N
8GR007M5	N	70	N	N	100	N	1,500	N	500	N
8GR008M5	N	100	50	N	100	N	2,000	<500	500	N
8GR009M5	N	70	N	N	100	N	2,000	N	300	N
8GR010M5	N	100	20	N	100	N	1,000	500	300	N
8GR011M5	N	100	30	N	100	N	700	N	200	N
8GR014M5	N	100	N	N	150	N	2,000	N	300	N
8GR015M5	N	70	>2,000	N	200	N	150	N	500	N
8GR016M5	N	100	100	N	150	N	200	N	500	N
8GR017M5	N	100	70	N	700	N	200	1,000	150	N
8GR018M5	N	50	N	N	2,000	N	20	N	300	N
8GR019M5	N	70	70	N	200	N	70	N	200	N
8GR020M5	N	30	200	N	300	N	150	N	300	N
8GR021M5	N	30	500	N	500	N	100	N	500	N
8KM001M5	N	70	N	N	500	N	200	1,000	500	N
8KM002M5	N	50	N	N	500	N	50	1,000	500	N
8KM003M5	N	50	N	N	200	N	100	1,000	500	N
8KM004M5	N	100	N	N	300	N	1,000	500	200	<200
8KM005M5	N	10	N	N	150	N	50	2,000	200	N
8KM006M5	N	20	N	N	150	N	150	700	300	N
8KM007M5	N	30	N	N	150	N	70	5,000	200	N
8KM008M5	N	50	N	200	300	N	150	2,000	200	N
8KM009M5	N	20	N	N	300	N	150	1,500	200	N
8KM010M5	N	70	N	N	500	N	200	3,000	150	N
8KM011M5	N	50	N	N	200	N	100	1,500	300	N
8KM012M5	N	20	N	N	200	N	50	500	500	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A6--Continued							
8KM013M5	35 10 24	81 16 34	20.0	.30	1.00	>2.00	>10,000	N	N	N	50	70
8KM014M5	35 9 8	81 16 52	20.0	.30	.50	>2.00	>10,000	N	N	N	20	50
8KM015M5	35 8 35	81 17 44	20.0	.30	.50	>2.00	>10,000	N	N	N	20	50
8KM016M5	35 10 45	81 18 17	30.0	.10	<.10	2.00	1,500	N	N	N	100	200
8KM017M5	35 9 44	81 19 0	30.0	.15	.30	>2.00	5,000	N	N	N	50	100
8KM018M5	35 9 43	81 18 21	30.0	.15	.20	>2.00	7,000	N	N	N	150	70
8KM019M5	35 8 29	81 20 46	20.0	.20	.50	>2.00	10,000	N	N	N	150	100
8KM020M5	35 8 7	81 21 23	30.0	.20	.10	>2.00	7,000	N	N	N	100	150
8KM021M5	35 9 27	81 20 11	20.0	.30	.20	>2.00	10,000	N	N	N	20	100
8KM022M5	35 9 29	81 20 16	20.0	.30	.10	>2.00	5,000	N	N	N	50	200
8KM023M5	35 12 19	81 20 25	30.0	.20	.20	2.00	2,000	2.0	1,000	N	100	70
8KM024M5	35 12 16	81 20 23	20.0	.15	.50	>2.00	10,000	N	N	N	150	50
8KM025M5	35 12 8	81 20 25	30.0	.10	.10	2.00	3,000	N	N	N	50	100
9GR022M5	35 8 37	81 27 28	15.0	1.00	.10	.70	2,000	N	N	N	100	N
9GR025M5	35 8 5	81 29 5	10.0	.70	.15	.70	3,000	N	N	N	150	N
9GR026M5	35 8 1	81 27 30	10.0	1.00	.10	1.00	2,000	N	N	N	200	N
9GR027M5	35 11 20	81 29 23	20.0	.10	<.10	>2.00	>10,000	.5	N	N	<20	N
9GR028M5	35 12 1	81 28 48	20.0	.15	<.10	>2.00	>10,000	N	N	N	30	N
9GR029M5	35 13 26	81 27 25	20.0	.50	.15	>2.00	>10,000	N	N	N	<20	N
9GR030M5	35 14 37	81 27 32	30.0	.50	.20	>2.00	>10,000	.5	N	N	<20	N
9GR031M5	35 14 44	81 29 21	20.0	2.00	.20	>2.00	10,000	N	N	N	20	N
9GR032M5	35 13 27	81 29 3	20.0	2.00	.30	>2.00	10,000	N	N	N	50	N
9GR035M5	35 13 31	81 24 8	20.0	.30	.10	>2.00	>10,000	N	N	N	<20	N
9GR036M5	35 7 23	81 29 23	20.0	.70	.10	2.00	7,000	N	N	N	200	N
9GR037M5	35 9 10	81 26 9	30.0	.20	N	>2.00	3,000	N	N	N	50	N
9GR038M5	35 9 27	81 26 15	20.0	1.00	.50	2.00	5,000	N	N	N	100	N
9GR039M5	35 9 27	81 26 20	20.0	.50	.30	1.50	3,000	N	N	N	100	N
9GR040M5	35 8 52	81 25 2	30.0	.20	.50	2.00	3,000	N	N	N	50	N
9GR041M5	35 8 52	81 25 5	10.0	.70	.10	1.00	3,000	N	N	N	150	N
9GR042M5	35 8 30	81 26 2	50.0	.15	.10	>2.00	7,000	N	N	N	<20	50
					A7							
OBN017M5	35 13 42	81 37 19	30.0	1.50	.30	>2.00	10,000	N	N	N	200	50
OBN017M5	35 13 42	81 37 19	20.0	1.50	.30	2.00	10,000	N	N	N	200	N
OBN017M5	35 13 42	81 37 19	20.0	1.00	.15	>2.00	7,000	N	N	N	50	N
OBN017M5	35 13 42	81 37 19	20.0	1.00	.20	>2.00	10,000	N	N	N	50	N
OBN020M5	35 13 39	81 37 24	30.0	1.50	.20	>2.00	10,000	N	N	N	20	N
OBN020M5	35 13 39	81 37 24	20.0	1.50	.20	>2.00	10,000	N	N	N	N	N
OBN050M5	35 13 54	81 37 48	30.0	1.50	.30	2.00	10,000	N	N	N	100	N
OBN050M5	35 13 54	81 37 48	30.0	2.00	.50	1.00	>10,000	N	N	N	<20	N
OBN051M5	35 13 3	81 36 40	30.0	1.50	.20	2.00	10,000	N	N	N	200	N
OBN051M5	35 13 3	81 36 40	20.0	2.00	.10	1.00	2,000	.5	N	N	70	500

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A6--Continued						
8KM013M5	N	N	N	50	100	30	N	N	100	10	30
8KM014M5	N	N	N	70	100	30	N	N	100	10	20
8KM015M5	N	N	N	50	150	30	N	N	150	10	30
8KM016M5	N	N	N	70	150	30	N	N	150	15	50
8KM017M5	N	N	N	30	150	20	N	N	150	10	20
8KM018M5	N	N	N	70	500	70	N	N	100	15	20
8KM019M5	N	N	N	50	500	30	N	N	150	20	50
8KM020M5	N	N	N	100	150	30	N	N	100	20	20
8KM021M5	N	N	N	100	700	30	N	N	100	20	50
8KM022M5	N	N	N	70	150	30	100	N	500	20	100
8KM023M5	5	<20	N	200	300	500	N	10	50	200	150
8KM024M5	5	N	N	100	200	20	N	N	300	20	70
8KM025M5	N	N	N	100	300	30	N	N	100	50	30
9GR022M5	20	N	N	50	200	20	<50	N	100	50	<20
9GR025M5	15	N	N	50	200	20	N	N	200	30	<20
9GR026M5	20	N	N	50	300	30	N	N	300	50	<20
9GR027M5	2	N	N	30	50	50	1,000	N	700	<10	50
9GR028M5	N	N	N	30	50	50	70	N	200	10	50
9GR029M5	<2	N	N	50	70	20	100	N	200	10	50
9GR030M5	N	N	N	50	50	30	100	N	300	<10	50
9GR031M5	N	N	N	30	150	20	2,000	N	200	N	70
9GR032M5	N	N	N	50	150	30	1,500	N	200	15	50
9GR035M5	N	N	N	30	50	50	<50	N	1,000	15	30
9GR036M5	15	N	N	50	200	20	<50	N	>5,000	30	70
9GR037M5	5	N	N	150	500	100	<50	N	3,000	100	50
9GR038M5	7	N	N	100	150	70	N	10	5,000	50	30
9GR039M5	5	N	N	500	300	200	N	N	3,000	100	20
9GR040M5	7	N	N	1,000	500	200	N	N	500	150	30
9GR041M5	15	N	N	50	200	20	N	N	3,000	50	N
9GR042M5	2	N	N	500	200	100	N	N	70	70	20
					A7--Continued						
OBN017M5	N	N	N	30	70	15	1,000	N	150	10	50
OBN017M5	N	N	N	30	70	15	500	N	200	10	30
OBN017M5	N	N	N	30	100	15	700	N	200	10	50
OBN017M5	N	N	N	30	70	15	500	N	200	<10	50
OBN020M5	N	N	N	50	100	20	500	N	200	15	50
OBN020M5	N	N	N	50	150	20	1,000	N	150	15	50
OBN050M5	N	N	N	20	70	20	700	N	300	<10	50
OBN050M5	N	N	N	30	100	10	50	N	100	15	<20
OBN051M5	N	N	N	30	100	10	1,500	N	500	10	70
OBN051M5	7	N	N	50	150	200	150	N	100	50	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A6--Continued					
8KM013M5	N	50	N	N	150	N	100	500	1,000	N
8KM014M5	N	70	N	N	200	N	100	700	700	N
8KM015M5	N	50	N	N	200	N	100	700	1,500	N
8KM016M5	N	15	N	N	200	N	500	500	1,000	N
8KM017M5	N	50	N	200	200	N	150	1,000	500	N
8KM018M5	N	30	N	N	200	N	150	3,000	700	N
8KM019M5	N	30	N	200	150	N	200	1,500	500	N
8KM020M5	N	20	N	N	200	N	50	2,000	700	N
8KM021M5	N	50	N	N	100	N	200	1,500	700	N
8KM022M5	N	50	N	N	200	N	200	1,500	700	N
8KM023M5	N	20	N	N	100	N	30	700	150	N
8KM024M5	N	30	50	N	150	N	200	1,000	200	N
8KM025M5	N	20	N	N	300	N	70	1,000	200	N
9GR022M5	N	70	N	N	200	N	20	<500	300	N
9GR025M5	N	<10	N	N	200	N	20	500	200	N
9GR026M5	N	<10	N	N	200	N	30	700	200	N
9GR027M5	N	20	N	N	100	N	1,000	1,000	300	N
9GR028M5	N	20	N	N	100	N	1,000	700	500	N
9GR029M5	N	20	N	N	100	N	1,500	500	500	N
9GR030M5	N	20	N	N	100	N	1,000	500	300	N
9GR031M5	N	100	N	N	150	200	2,000	N	300	1,000
9GR032M5	N	100	N	N	100	200	2,000	N	200	300
9GR035M5	N	20	N	N	100	N	2,000	500	700	N
9GR036M5	N	15	150	N	200	N	100	<500	500	N
9GR037M5	N	15	30	N	300	N	1,500	<500	700	N
9GR038M5	N	15	20	N	200	N	700	<500	200	N
9GR039M5	N	15	70	N	300	N	50	<500	300	N
9GR040M5	N	20	N	N	500	N	100	500	200	N
9GR041M5	N	<10	30	N	200	N	20	<500	200	N
9GR042M5	N	20	N	N	300	N	20	<500	100	N
					A7--Continued					
OBN017M5	N	200	N	N	100	500	5,000	N	500	500
OBN017M5	N	200	N	N	100	1,000	5,000	<500	500	200
OBN017M5	N	150	N	N	100	500	>5,000	<500	700	300
OBN017M5	N	200	N	N	100	700	>5,000	500	1,000	200
OBN020M5	N	150	N	N	100	N	2,000	1,000	200	300
OBN020M5	N	150	N	N	100	N	5,000	500	500	500
OBN050M5	N	200	N	N	100	2,000	>5,000	N	500	200
OBN050M5	N	>200	N	N	100	1,000	2,000	N	200	N
OBN051M5	N	>200	N	500	100	500	>5,000	500	700	1,000
OBN051M5	N	70	N	N	200	1,000	2,000	<500	200	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A7--Continued							
OBN052M5	35 14 7	81 37 11	30.0	2.00	.30	2.00	10,000	N	N	N	70	N
OBN053M5	35 14 10	81 37 11	20.0	2.00	.30	>2.00	7,000	N	N	N	200	200
OBN054M5	35 14 50	81 36 45	20.0	1.00	.20	>2.00	7,000	N	N	N	500	50
OBN054M5	35 14 50	81 36 45	30.0	.50	.10	>2.00	5,000	N	N	N	200	<50
OBN055M5	35 14 44	81 36 54	20.0	1.50	.20	>2.00	10,000	N	N	N	200	50
OBN055M5	35 14 44	81 36 54	20.0	1.50	.20	>2.00	7,000	N	N	N	200	N
OBN056M5	35 14 43	81 37 31	20.0	.50	.10	>2.00	5,000	N	N	N	500	N
OBN057M5	35 14 43	81 37 33	30.0	.70	.15	>2.00	10,000	N	N	N	30	N
OBN058M5	35 12 53	81 34 28	20.0	1.00	.20	>2.00	7,000	N	N	N	N	N
OBN059M5	35 11 0	81 35 48	20.0	.70	.15	>2.00	7,000	N	N	N	20	N
OBN060M5	35 11 1	81 35 5	20.0	.70	.15	>2.00	5,000	N	N	N	N	N
OBN061M5	35 11 30	81 34 28	15.0	1.00	.10	>2.00	2,000	N	N	N	N	N
OBN062M5	35 12 8	81 32 30	20.0	.70	.15	>2.00	5,000	N	N	N	20	N
OBN062M5	35 12 8	81 32 30	20.0	2.00	.15	>2.00	3,000	N	N	N	50	500
OBN063M5	35 11 32	81 33 30	20.0	1.00	.15	>2.00	5,000	N	N	N	<20	N
OBN064M5	35 10 16	81 31 1	30.0	1.00	.15	>2.00	10,000	N	N	N	<20	N
OBS001M5	35 14 35	81 37 40	30.0	.50	.10	>2.00	300	N	N	N	N	N
OBS002M5	35 10 25	81 42 28	30.0	.20	<.10	>2.00	500	N	N	N	N	N
OBS003M5	35 10 0	81 42 33	30.0	1.00	<.10	>2.00	500	N	N	N	N	N
OBS004M5	35 10 0	81 44 45	30.0	1.00	.15	>2.00	500	N	N	N	<20	N
OBS005M5	35 8 57	81 42 35	20.0	1.00	.10	>2.00	500	N	N	N	<20	N
OBS006M5	35 8 19	81 42 20	20.0	.50	<.10	>2.00	500	N	N	N	<20	N
OBS007M5	35 8 18	81 38 30	30.0	.70	<.10	>2.00	500	N	N	N	<20	N
OBS008M5	35 10 10	81 38 54	30.0	.50	<.10	>2.00	700	N	N	N	<20	N
OBS009M5	35 9 56	81 39 25	30.0	.50	<.10	>2.00	500	N	N	N	N	N
OGA019M5	35 5 14	81 37 36	20.0	3.00	.50	>2.00	5,000	N	N	N	30	N
OGA021M5	35 2 25	81 43 20	20.0	2.00	.20	>2.00	300	N	N	N	N	N
OGA022M5	35 2 9	81 43 44	20.0	1.50	.10	>2.00	5,000	N	N	N	N	N
OGA024M5	35 5 6	81 43 17	15.0	3.00	.20	2.00	5,000	N	N	N	N	N
OGA025M5	35 5 7	81 43 17	20.0	3.00	.15	>2.00	3,000	N	N	N	N	N
OGA026M5	35 6 45	81 42 44	15.0	5.00	.20	1.50	3,000	N	N	N	N	N
OGA030M5	35 4 27	81 41 15	15.0	5.00	.20	2.00	5,000	N	N	N	N	N
OGA031M5	35 0 57	81 37 55	15.0	1.50	.10	2.00	7,000	N	N	N	100	N
8BL001M5	35 4 3	81 31 4	30.0	.15	.10	>2.00	1,500	N	N	N	30	150
8BL002M5	35 3 29	81 31 5	30.0	.10	.10	>2.00	1,500	N	N	N	<20	70
8BL003M5	35 3 42	81 32 4	50.0	.10	.15	>2.00	1,000	N	N	N	<20	70
8BL004M5	35 4 17	81 32 51	20.0	1.00	1.50	>2.00	10,000	N	N	N	100	N
8BL005M5	35 4 41	81 33 20	20.0	1.50	2.00	>2.00	>10,000	N	N	N	20	N
8BL006M5	35 5 10	81 32 26	15.0	2.00	5.00	>2.00	10,000	N	N	N	20	N
8BL007M5	35 5 29	81 32 0	30.0	.70	2.00	>2.00	>10,000	N	N	N	20	N
8BL008M5	35 5 24	81 31 52	20.0	1.00	1.00	>2.00	10,000	N	N	N	70	<50
8BL009M5	35 6 26	81 30 18	30.0	.15	.20	>2.00	10,000	N	N	N	50	50
8BL010M5	35 6 29	81 30 21	15.0	1.00	.30	>2.00	7,000	N	N	N	100	N
8BL011M5	35 5 57	81 30 37	30.0	.20	.50	>2.00	>10,000	N	N	N	20	50
8BL012M5	35 6 36	81 33 24	20.0	1.00	.70	>2.00	>10,000	N	N	N	200	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A7--Continued						
OBN052M5	N	N	N	20	70	10	300	N	300	<10	20
OBN053M5	5	N	N	30	100	30	300	N	100	50	30
OBN054M5	2	N	N	20	300	50	1,000	N	700	10	70
ORN054M5	N	N	N	30	300	50	1,000	N	1,500	10	300
ORN055M5	N	N	N	20	700	50	1,500	N	2,000	N	50
OBN055M5	N	N	N	20	200	70	2,000	N	3,000	<10	70
OBN056M5	15	N	N	20	500	50	500	N	1,000	15	100
OBN057M5	N	N	N	30	50	10	100	N	150	15	<20
OBN058M5	3	N	N	30	200	20	500	N	200	15	30
OBN059M5	3	N	N	50	200	15	50	N	100	15	30
OBN060M5	10	N	N	50	200	20	500	N	300	15	30
OBN061M5	15	N	N	50	300	20	200	N	150	20	<20
OBN062M5	<2	N	N	30	200	50	300	N	300	20	100
ORN062M5	5	N	N	30	200	100	300	N	200	30	100
OBN063M5	7	N	N	50	200	15	200	N	200	15	20
OBN064M5	N	N	N	50	150	15	300	N	200	10	30
OBS001M5	N	N	N	50	50	15	500	N	200	10	50
OBS002M5	N	N	N	50	50	30	300	N	300	10	30
OBS003M5	N	N	N	50	100	10	500	N	200	10	50
OBS004M5	N	N	N	50	70	15	700	N	200	10	50
OBS005M5	N	N	N	50	300	20	1,000	N	300	15	70
OBS006M5	N	N	N	50	150	15	1,000	N	300	20	50
OBS007M5	N	N	N	50	200	15	1,000	N	300	10	70
OBS008M5	N	N	N	50	50	20	200	N	300	10	20
OBS009M5	N	N	N	50	100	10	1,000	N	200	10	30
OGA019M5	3	N	N	50	100	30	70	N	100	30	<20
OGA021M5	<2	N	N	500	150	30	500	N	150	50	20
OGA022M5	N	N	N	70	70	10	300	N	150	15	<20
OGA024M5	N	N	N	30	70	10	1,000	N	50	10	20
OGA025M5	N	N	N	50	100	10	700	N	200	20	<20
OGA026M5	N	N	N	50	70	10	150	N	150	10	<20
OGA030M5	N	N	N	30	70	<10	500	N	50	10	<20
OGA031M5	7	N	N	70	70	30	N	N	70	30	<20
8BL001M5	N	N	N	20	200	30	N	N	70	10	20
8BL002M5	N	N	N	20	200	30	N	N	70	<10	<20
8BL003M5	N	N	N	20	700	50	N	N	70	10	<20
8BL004M5	5	N	N	50	200	20	200	N	70	30	20
8BL005M5	N	N	N	200	300	30	N	N	100	20	20
8BL006M5	N	N	N	150	100	50	N	N	50	20	20
8BL007M5	2	N	N	300	200	50	300	N	100	20	30
8BL008M5	7	N	N	200	300	50	50	N	150	50	150
8BL009M5	N	N	N	300	700	50	300	N	100	30	70
8BL010M5	10	N	N	70	300	20	N	N	500	50	20
8BL011M5	N	N	N	200	300	30	N	N	200	30	50
8BL012M5	7	N	N	50	300	20	N	N	500	30	20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A7--Continued					
0BN052M5	N	200	N	N	100	2,000	5,000	<500	200	N
0BN053M5	N	70	20	N	200	1,500	3,000	1,000	500	N
0BN054M5	N	150	N	N	200	N	>5,000	N	700	500
0BN054M5	N	100	N	<200	200	N	>5,000	N	700	500
0BN055M5	N	150	50	<200	100	N	>5,000	N	700	500
0BN055M5	N	150	100	<200	100	N	>5,000	N	700	700
0BN056M5	N	100	20	500	300	N	>5,000	700	1,500	<200
0BN057M5	N	100	N	N	150	700	2,000	N	300	N
0BN058M5	N	100	N	N	200	N	1,000	500	200	N
0BN059M5	N	70	N	N	150	N	700	700	200	N
0BN060M5	N	50	N	N	150	150	1,500	1,000	300	<200
0BN061M5	N	20	N	N	200	150	1,500	500	200	N
0BN062M5	N	70	N	N	150	N	5,000	N	300	N
0BN062M5	N	70	N	<200	300	N	>5,000	500	1,000	N
0BN063M5	N	70	N	N	200	100	3,000	500	500	N
0BN064M5	N	70	N	N	150	N	1,000	<500	200	N
0BS001M5	N	30	30	N	100	N	200	500	500	500
0BS002M5	N	20	N	N	100	N	500	500	300	N
0BS003M5	N	50	N	N	150	N	1,000	<500	300	500
0BS004M5	N	70	N	N	100	N	2,000	N	700	700
0BS005M5	N	70	N	N	150	N	3,000	<500	500	700
0BS006M5	N	30	N	N	150	N	1,000	<500	200	700
0BS007M5	N	30	N	N	150	N	1,000	<500	200	1,000
0BS008M5	N	20	N	N	100	N	100	<500	500	200
0BS009M5	N	20	N	N	150	N	1,000	<500	200	700
0GA019M5	N	50	20	N	150	N	700	500	300	N
0GA021M5	N	50	N	N	150	N	2,000	N	500	N
0GA022M5	N	50	N	N	100	N	1,000	N	100	N
0GA024M5	N	70	N	N	100	N	200	N	100	700
0GA025M5	N	70	N	N	100	N	500	N	100	200
0GA026M5	N	70	N	N	70	N	200	N	150	N
0GA030M5	N	70	N	N	100	N	500	<500	150	200
0GA031M5	N	15	N	N	150	N	70	500	300	N
8BL001M5	N	15	N	N	500	N	50	N	2,000	N
8BL002M5	N	15	N	N	500	N	70	N	1,500	N
8BL003M5	N	30	N	N	700	N	70	N	200	N
8BL004M5	N	20	N	N	200	N	500	N	1,000	N
8BL005M5	N	30	N	<200	300	N	300	N	300	N
8BL006M5	N	30	N	200	300	N	100	N	300	N
8BL007M5	N	50	N	N	300	N	700	N	500	N
8BL008M5	N	20	N	N	300	N	70	N	500	N
8BL009M5	N	20	N	N	200	N	150	N	700	N
8BL010M5	N	20	100	N	300	N	150	N	300	N
8BL011M5	N	30	N	N	200	N	1,000	N	700	N
8BL012M5	N	30	N	N	200	N	500	N	700	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A7--Continued							
8BL013M5	35 5 29	81 34 9	20.0	1.50	3.00	>2.00	>10,000	20.0	N	N	30	<50
8BL014M5	35 4 27	81 36 29	20.0	1.00	.10	>2.00	10,000	N	N	N	200	<50
8BL015M5	35 0 1	81 31 45	30.0	1.00	2.00	>2.00	>10,000	N	N	N	<20	<50
8BL016M5	35 0 27	81 33 1	30.0	1.00	2.00	>2.00	>10,000	N	N	N	<20	50
8BL017M5	35 0 26	81 33 12	30.0	1.00	1.50	>2.00	>10,000	N	N	N	<20	<50
8BL018M5	35 1 9	81 35 14	30.0	.50	1.50	>2.00	10,000	N	N	N	30	50
8BL019M5	35 4 8	81 34 8	15.0	1.00	.20	>2.00	>10,000	N	N	N	150	N
8BL020M5	35 3 55	81 34 4	20.0	.50	.20	>2.00	>10,000	N	N	N	70	N
8BL021M5	35 2 56	81 32 5	30.0	.10	.10	>2.00	3,000	N	N	N	<20	100
8BL022M5	35 2 50	81 31 56	30.0	.10	.15	>2.00	3,000	N	N	N	<20	100
8BL023M5	35 1 56	81 36 0	30.0	.20	.10	>2.00	5,000	N	N	N	150	<50
8BL024M5	35 0 53	81 36 33	50.0	.20	.20	>2.00	>10,000	N	N	N	30	50
8BL025M5	35 1 1	81 36 32	50.0	1.00	.50	>2.00	10,000	N	N	N	100	50
8BL026M5	35 1 1	81 36 36	50.0	.20	.15	>2.00	10,000	N	N	N	200	<50
8BL027M5	35 0 49	81 37 28	30.0	.30	.20	>2.00	>10,000	N	N	N	20	70
8BL028M5	35 1 27	81 37 18	50.0	.20	.20	>2.00	>10,000	N	N	N	150	50
8BL029M5	35 3 33	81 36 45	20.0	.70	.10	>2.00	>10,000	N	N	N	200	<50
9BN001M5	35 9 59	81 30 18	20.0	1.00	.50	>2.00	>10,000	N	N	N	30	N
9BN002M5	35 9 38	81 30 17	20.0	1.00	.50	2.00	>10,000	N	N	N	20	N
9BN003M5	35 9 7	81 30 35	30.0	1.00	.30	>2.00	>10,000	N	N	N	<20	100
9BN004M5	35 10 36	81 30 1	20.0	.50	.10	>2.00	>10,000	N	N	N	<20	N
9BN005M5	35 13 25	81 36 16	20.0	2.00	.70	2.00	7,000	N	N	N	70	N
9BN006M5	35 14 0	81 34 59	20.0	2.00	1.00	>2.00	7,000	N	N	N	70	N
9BN007M5	35 7 57	81 35 19	20.0	2.00	1.50	2.00	10,000	N	N	N	<20	N
9BN008M5	35 9 1	81 32 26	20.0	2.00	1.00	2.00	10,000	N	N	N	20	N
9BN009M5	35 9 31	81 32 11	20.0	1.50	.70	2.00	10,000	N	N	N	<20	N
9BN010M5	35 8 8	81 31 47	20.0	.15	.10	>2.00	>10,000	N	N	N	<20	N
9BN011M5	35 7 47	81 32 10	30.0	1.00	.70	2.00	>10,000	N	N	N	70	<50
9BN012M5	35 12 52	81 33 45	20.0	1.50	.30	2.00	7,000	N	N	N	<20	N
9BN013M5	35 12 56	81 33 47	20.0	1.00	.30	>2.00	5,000	N	N	N	50	N
9BN014M5	35 13 59	81 32 22	20.0	2.00	.70	1.50	10,000	N	N	N	<20	N
9BN015M5	35 14 15	81 32 23	20.0	2.00	.70	2.00	10,000	N	N	N	20	N
9BN016M5	35 14 1	81 34 59	20.0	2.00	.50	>2.00	7,000	N	N	N	100	N
9BN018M5	35 13 18	81 36 43	20.0	1.00	.50	>2.00	5,000	N	N	N	50	N
9BN019M5	35 13 18	81 36 46	20.0	.70	.50	>2.00	7,000	N	N	N	<20	N
9BN021M5	35 13 33	81 37 14	20.0	2.00	.50	>2.00	7,000	N	N	N	70	<50
9BS001M5	35 9 13	81 40 33	20.0	1.50	.30	>2.00	5,000	N	N	N	20	N
9BS002M5	35 11 54	81 41 52	20.0	1.50	.20	>2.00	7,000	N	N	N	20	N
9BS003M5	35 12 1	81 41 11	20.0	1.00	.15	>2.00	7,000	N	N	N	20	N
9BS004M5	35 12 11	81 39 45	20.0	1.00	.15	>2.00	5,000	N	N	N	<20	N
9BS005M5	35 13 25	81 39 1	20.0	.20	<.10	>2.00	5,000	N	N	N	<20	N
9BS006M5	35 14 49	81 41 28	20.0	.50	.10	>2.00	5,000	N	N	N	<20	N
9BS007M5	35 13 44	81 37 56	20.0	1.00	.15	>2.00	5,000	N	N	N	20	N
9BS008M5	35 13 46	81 37 57	30.0	1.00	.10	>2.00	5,000	N	N	N	<20	<50
9BS009M5	35 13 49	81 37 44	15.0	1.00	.15	>2.00	7,000	N	N	N	150	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A7--Continued						
8BL013M5	5	N	N	70	500	20	50	N	100	30	20
8BL014M5	10	N	N	70	500	30	N	N	200	50	70
8BL015M5	N	N	N	70	200	50	N	N	50	10	20
8BL016M5	N	N	N	50	700	30	N	N	50	20	<20
8BL017M5	N	N	N	70	100	50	N	N	50	15	20
8BL018M5	N	N	N	50	100	50	N	N	70	10	<20
8BL019M5	20	N	N	50	200	20	N	N	70	30	50
8BL020M5	7	N	N	200	200	30	N	N	150	50	20
8BL021M5	N	N	N	20	200	20	N	N	70	10	20
8BL022M5	N	N	N	15	30	20	N	N	100	<10	20
8BL023M5	3	N	N	70	300	20	N	N	150	30	20
8BL024M5	N	N	N	100	200	30	N	N	100	20	20
8BL025M5	3	N	N	100	200	30	500	N	70	20	20
8BL026M5	3	N	N	70	300	30	N	N	70	20	20
8BL027M5	N	N	N	50	200	30	N	N	70	15	20
8BL028M5	3	N	N	100	200	30	N	N	70	30	30
8BL029M5	10	N	N	100	150	20	N	N	70	30	30
9BN001M5	15	N	N	50	200	70	300	N	200	50	50
9BN002M5	10	N	N	70	70	100	100	N	1,000	30	30
9BN003M5	5	N	N	200	200	100	N	N	3,000	70	30
9BN004M5	3	N	N	50	50	50	200	N	300	10	70
9BN005M5	2	N	N	50	150	20	70	N	100	30	30
9BN006M5	N	N	N	50	100	10	100	N	100	30	20
9BN007M5	N	N	N	100	100	100	200	N	100	30	30
9BN008M5	2	N	N	50	150	50	300	N	150	30	30
9BN009M5	N	N	N	30	100	20	500	N	70	15	20
9BN010M5	10	N	N	200	200	100	200	N	1,000	50	70
9BN011M5	7	N	N	100	150	200	100	N	1,500	30	300
9BN012M5	3	N	N	30	150	15	1,000	N	200	10	30
9BN013M5	N	N	N	50	200	15	>2,000	N	200	10	100
9BN014M5	N	N	N	20	150	10	150	N	70	15	20
9BN015M5	N	N	N	20	150	15	50	N	200	15	20
9BN016M5	N	N	N	30	150	10	500	N	100	20	30
9BN018M5	N	N	N	30	150	15	1,500	N	150	20	70
9BN019M5	N	N	N	50	70	15	N	N	100	15	20
9BN021M5	N	N	N	50	150	20	300	N	200	20	30
9BS001M5	N	N	N	50	300	30	2,000	N	150	20	50
9BS002M5	N	N	N	50	300	20	500	N	150	30	50
9BS003M5	N	N	N	50	500	10	1,500	N	200	20	70
9BS004M5	N	N	N	50	100	15	500	N	150	10	30
9BS005M5	N	N	N	70	200	50	2,000	N	200	15	100
9BS006M5	N	N	N	70	100	20	70	N	300	15	20
9BS007M5	N	N	N	50	700	30	>2,000	N	200	15	100
9BS008M5	N	N	N	50	300	20	1,000	N	150	15	100
9BS009M5	N	N	N	30	300	15	>2,000	N	150	20	200

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A7--Continued					
8BL013M5	N	50	N	200	200	N	700	N	500	N
8BL014M5	N	30	N	N	200	N	1,000	N	300	N
8BL015M5	N	50	N	N	500	N	70	N	500	N
8BL016M5	N	30	N	N	700	N	70	N	500	N
8BL017M5	N	50	N	N	500	N	50	N	700	N
8BL018M5	N	30	N	N	500	N	100	N	500	N
8BL019M5	N	15	N	N	200	N	300	700	500	N
8BL020M5	N	30	N	N	300	N	100	500	300	N
8BL021M5	N	30	N	N	1,000	N	100	N	300	N
8BL022M5	N	20	N	N	500	N	70	N	1,000	N
8BL023M5	N	20	N	N	500	N	50	N	300	N
8BL024M5	N	50	N	N	700	N	150	N	700	N
8BL025M5	N	50	N	N	700	N	150	N	500	N
8BL026M5	N	30	N	N	1,000	N	50	N	500	N
8BL027M5	N	50	N	N	500	N	70	N	200	N
8BL028M5	N	30	N	N	500	N	150	N	1,000	N
8BL029M5	N	20	N	N	300	N	70	1,000	1,500	N
9BN001M5	N	20	N	N	150	N	500	500	500	N
9BN002M5	N	30	30	N	100	N	1,500	<500	200	N
9BN003M5	N	50	20	N	150	N	1,000	<500	300	N
9BN004M5	N	20	20	N	100	N	700	700	300	N
9BN005M5	N	70	N	N	150	N	3,000	N	300	N
9BN006M5	N	50	N	N	150	N	300	N	200	N
9BN007M5	N	100	N	N	150	N	2,000	N	500	N
9BN008M5	N	100	N	N	100	N	2,000	<500	500	<200
9BN009M5	N	100	N	N	70	N	2,000	<500	150	200
9BN010M5	N	30	N	N	150	N	1,500	1,000	700	N
9BN011M5	N	50	150	N	100	N	700	2,000	500	N
9BN012M5	N	100	N	N	100	N	2,000	700	200	500
9BN013M5	N	10	N	N	150	200	1,500	N	200	2,000
9BN014M5	N	200	N	N	70	N	2,000	N	300	N
9BN015M5	N	150	N	N	70	200	3,000	N	100	N
9BN016M5	N	150	N	N	100	N	2,000	<500	200	200
9BN018M5	N	70	N	N	100	N	3,000	500	1,000	700
9BN019M5	N	50	N	N	100	N	1,500	500	300	N
9BN021M5	N	100	N	N	100	N	1,500	<500	700	N
9BS001M5	N	100	N	N	200	N	500	<500	700	500
9BS002M5	N	100	N	N	200	N	2,000	500	200	N
9BS003M5	N	100	N	N	150	N	2,000	<500	300	500
9BS004M5	N	70	N	N	150	N	150	<500	100	N
9BS005M5	N	50	N	N	100	N	1,000	500	100	300
9BS006M5	N	70	N	N	100	N	150	500	150	N
9BS007M5	N	10	N	N	100	N	3,000	<500	300	2,000
9BS008M5	N	100	N	N	100	N	2,000	<500	150	500
9BS009M5	N	10	1,500	N	150	N	>5,000	N	1,000	5,000

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A7--Continued							
9BS010M5	35 13 1	81 40 26	30.0	.70	<.10	>2.00	7,000	N	N	N	<20	N
9BS011M5	35 13 15	81 41 25	20.0	1.50	.15	>2.00	3,000	N	N	N	<20	N
9BS034M5	35 7 7	81 35 52	20.0	1.00	.20	>2.00	5,000	N	N	N	<20	N
9GA004M5	35 6 21	81 39 51	20.0	2.00	.10	>2.00	3,000	N	N	N	<20	N
9GA005M5	35 5 11	81 42 3	15.0	5.00	.30	1.00	5,000	N	N	N	N	N
9GA006M5	35 5 20	81 41 57	20.0	5.00	.30	1.00	5,000	N	N	N	N	N
9GA007M5	35 4 30	81 41 15	20.0	2.00	.10	>2.00	3,000	N	N	N	N	N
9GA008M5	35 4 56	81 40 25	20.0	2.00	.10	>2.00	3,000	N	N	N	N	N
9GA010M5	35 0 48	81 37 53	10.0	2.00	.10	.70	2,000	N	N	N	50	N
9GA011M5	35 2 18	81 37 50	10.0	2.00	.15	1.00	10,000	N	N	N	200	N
9GA012M5	35 3 41	81 42 52	20.0	1.50	.20	>2.00	7,000	N	N	N	30	N
9GA013M5	35 3 41	81 42 50	20.0	2.00	.20	>2.00	5,000	N	N	N	<20	N
9GA014M5	35 2 30	81 41 11	30.0	2.00	1.00	>2.00	10,000	N	N	N	30	N
9GA015M5	35 4 59	81 40 3	20.0	2.00	.30	>2.00	10,000	N	N	N	20	N
9GA016M5	35 6 17	81 44 39	30.0	1.50	.20	>2.00	7,000	N	N	N	<20	N
9GA017M5	35 7 29	81 40 42	20.0	1.00	.20	>2.00	3,000	N	N	N	30	N
9GA018M5	35 7 0	81 38 37	20.0	2.00	.30	>2.00	10,000	N	N	N	20	N
					A8							
9CP001M5	35 14 13	81 58 38	20.0	.70	.15	>2.00	7,000	N	N	N	20	N
9CP002M5	35 11 14	81 58 59	30.0	.30	.10	>2.00	7,000	N	N	N	<20	N
9CP003M5	35 7 25	81 57 31	30.0	.20	.10	>2.00	10,000	N	N	N	<20	N
9CP004M5	35 11 4	81 53 54	30.0	.70	.10	>2.00	10,000	N	N	N	<20	N
9CP005M5	35 0 37	81 58 29	30.0	.50	.10	>2.00	5,000	N	N	N	<20	N
9CP006M5	35 0 42	81 59 2	30.0	.50	.10	>2.00	5,000	N	N	N	<20	N
9CP007M5	35 1 17	81 59 5	30.0	.20	<.10	>2.00	7,000	N	N	N	<20	N
9CP008M5	35 2 2	81 59 40	30.0	.20	N	>2.00	5,000	N	N	N	20	N
9CP009M5	35 5 12	81 59 52	20.0	.15	N	>2.00	5,000	N	N	N	<20	N
9CP010M5	35 6 59	81 56 56	30.0	.70	.15	>2.00	10,000	N	N	N	<20	N
9CP011M5	35 2 25	81 57 2	15.0	.50	.10	>2.00	7,000	N	N	N	70	N
9CP012M5	35 2 16	81 56 19	20.0	.50	.10	>2.00	7,000	N	N	N	50	N
9CP013M5	35 1 57	81 56 29	30.0	.70	.15	>2.00	10,000	N	N	N	<20	N
9CP014M5	35 4 24	81 54 22	20.0	.50	.15	>2.00	7,000	N	N	N	200	N
9CP015M5	35 6 12	81 50 48	30.0	.15	N	>2.00	3,000	N	N	N	N	N
9CP016M5	35 6 30	81 50 22	20.0	.15	N	>2.00	5,000	N	N	N	N	N
9CP017M5	35 6 28	81 50 14	20.0	.20	N	>2.00	5,000	N	N	N	20	N
9CP018M5	35 6 48	81 48 50	20.0	.50	<.10	>2.00	7,000	N	N	N	N	N
9CP019M5	35 7 12	81 48 16	30.0	.50	<.10	>2.00	5,000	N	N	N	N	N
9CP020M5	35 6 51	81 48 12	20.0	.70	.10	>2.00	5,000	N	N	N	500	N
9CP021M5	35 5 17	81 47 20	30.0	.70	.15	>2.00	7,000	N	N	N	300	N
9CP022M5	35 4 12	81 47 40	20.0	.30	<.10	>2.00	5,000	N	N	N	<20	N
9CP023M5	35 2 30	81 47 59	20.0	.50	.15	>2.00	5,000	N	N	N	N	N
9CP024M5	35 1 38	81 47 20	30.0	1.00	.30	>2.00	5,000	N	N	N	N	N
9CP025M5	35 1 58	81 45 3	30.0	1.50	.10	>2.00	5,000	N	N	N	N	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A7--Continued						
9BS010M5	N	N	N	50	100	15	300	N	200	15	30
9BS011M5	N	N	N	70	500	30	>2,000	N	200	20	100
9BS034M5	N	N	N	50	100	15	500	N	50	15	20
9GA004M5	N	N	N	30	50	10	700	N	200	<10	<20
9GA005M5	N	N	N	30	100	10	700	N	<50	N	<20
9GA006M5	N	N	N	30	100	<10	70	N	<50	<10	<20
9GA007M5	N	N	N	30	50	10	1,000	N	150	<10	20
9GA008M5	N	N	N	50	50	10	1,000	N	150	10	30
9GA010M5	15	N	N	70	100	10	N	N	N	30	<20
9GA011M5	7	N	N	70	150	15	N	N	50	20	<20
9GA012M5	N	N	N	50	150	20	1,000	N	150	10	20
9GA013M5	N	N	N	50	150	20	>2,000	N	100	<10	50
9GA014M5	2	N	N	50	200	50	1,000	N	100	50	50
9GA015M5	N	N	N	30	150	30	1,000	N	150	15	50
9GA016M5	N	N	N	50	200	30	2,000	N	200	15	30
9GA017M5	N	N	N	70	300	50	>2,000	N	150	10	200
9GA018M5	N	N	N	50	150	30	1,500	N	150	10	30
					A8--Continued						
9CP001M5	N	N	N	50	150	10	500	N	150	<10	50
9CP002M5	N	N	N	70	200	30	100	N	150	15	50
9CP003M5	N	N	N	70	200	20	500	N	200	15	100
9CP004M5	N	N	N	50	70	10	1,500	N	100	10	70
9CP005M5	N	N	N	70	150	10	150	N	150	15	50
9CP006M5	N	N	N	50	150	15	700	N	100	15	30
9CP007M5	N	N	N	50	100	10	2,000	N	150	10	30
9CP008M5	N	N	N	100	150	20	1,000	N	200	30	30
9CP009M5	N	N	N	50	150	20	1,500	N	300	20	50
9CP010M5	N	N	N	50	100	20	700	N	200	20	50
9CP011M5	<2	N	N	30	300	30	2,000	N	200	N	200
9CP012M5	N	N	N	50	150	15	700	N	150	10	50
9CP013M5	N	N	N	30	200	15	500	N	100	10	50
9CP014M5	N	N	N	50	200	15	>2,000	N	200	N	70
9CP015M5	N	N	N	50	200	<10	1,500	N	100	20	30
9CP016M5	N	N	N	50	150	10	2,000	N	300	10	50
9CP017M5	N	N	N	50	200	<10	1,000	N	150	20	50
9CP018M5	N	N	N	50	100	30	2,000	N	200	10	100
9CP019M5	N	N	N	50	150	20	>2,000	N	150	<10	70
9CP020M5	3	N	N	50	300	20	>2,000	N	200	<10	50
9CP021M5	3	N	N	50	200	10	2,000	N	200	10	50
9CP022M5	N	N	N	50	150	N	>2,000	N	200	N	50
9CP023M5	N	N	N	30	200	N	>2,000	N	300	<10	70
9CP024M5	N	N	N	50	200	10	2,000	N	150	15	70
9CP025M5	N	N	N	70	200	15	2,000	N	300	15	20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A7--Continued					
9BS010M5	N	50	N	N	100	N	200	N	70	N
9BS011M5	N	10	N	N	150	N	500	N	200	3,000
9BS034M5	N	70	N	N	150	N	2,000	N	500	500
9GA004M5	N	50	N	N	100	N	1,000	N	200	N
9GA005M5	N	100	N	N	100	N	300	N	150	500
9GA006M5	N	70	N	N	100	N	300	N	150	N
9GA007M5	N	70	N	N	100	N	1,500	<500	300	300
9GA008M5	N	50	N	N	150	N	2,000	<500	200	500
9GA010M5	N	<10	N	N	150	N	20	1,000	300	N
9GA011M5	N	10	N	N	150	N	30	700	300	N
9GA012M5	N	50	N	N	200	N	500	500	200	N
9GA013M5	N	10	N	N	200	N	2,000	N	500	2,000
9GA014M5	N	70	N	N	300	N	5,000	N	700	700
9GA015M5	N	100	N	N	200	N	2,000	<500	200	300
9GA016M5	N	70	N	N	200	N	1,000	<500	700	700
9GA017M5	N	10	20	N	200	N	1,000	<500	700	>5,000
9GA018M5	N	100	N	N	100	N	1,500	<500	500	200
					A8--Continued					
9CP001M5	N	100	N	N	100	200	3,000	N	200	N
9CP002M5	N	50	N	N	200	N	1,500	500	200	N
9CP003M5	N	150	N	N	100	N	5,000	<500	500	500
9CP004M5	N	100	N	N	70	N	3,000	<500	700	500
9CP005M5	N	30	N	N	200	N	1,000	500	300	N
9CP006M5	N	30	N	N	200	N	1,000	<500	700	N
9CP007M5	N	50	N	N	100	N	1,500	500	2,000	1,000
9CP008M5	N	50	N	N	100	N	2,000	<500	500	N
9CP009M5	N	50	N	N	150	N	3,000	<500	500	1,500
9CP010M5	N	100	N	N	70	N	5,000	N	700	300
9CP011M5	N	150	N	N	100	N	>5,000	N	2,000	700
9CP012M5	N	70	N	N	100	N	5,000	<500	700	200
9CP013M5	N	100	N	N	100	150	3,000	N	200	N
9CP014M5	N	100	N	N	100	N	3,000	N	700	2,000
9CP015M5	N	20	N	N	150	N	500	N	150	300
9CP016M5	N	10	N	N	150	N	1,500	N	1,000	2,000
9CP017M5	N	30	N	N	150	N	1,000	N	1,000	200
9CP018M5	N	10	N	N	100	N	2,000	<500	500	2,000
9CP019M5	N	10	N	N	100	N	2,000	<500	500	1,500
9CP020M5	N	10	N	N	200	N	3,000	<500	700	3,000
9CP021M5	N	10	N	N	200	N	1,500	<500	500	2,000
9CP022M5	N	10	N	N	150	N	2,000	500	>2,000	2,000
9CP023M5	N	10	N	N	150	N	3,000	N	700	5,000
9CP024M5	N	70	N	N	150	N	1,000	<500	1,000	1,000
9CP025M5	N	70	N	N	150	N	500	500	1,000	700

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A8--Continued							
9CP026M5	35 1 27	81 46 27	20.0	1.50	.50	>2.00	7,000	N	N	N	100	N
9CP027M5	35 0 3	81 46 24	30.0	.50	<.10	>2.00	5,000	N	N	N	N	N
9CP028M5	35 0 21	81 45 23	20.0	.50	.20	>2.00	7,000	N	N	N	150	N
9CP029M5	35 3 2	81 45 43	20.0	1.00	.10	>2.00	5,000	N	N	N	50	N
9CP030M5	35 2 58	81 45 50	20.0	1.00	.10	>2.00	5,000	N	N	N	30	N
9CP031M5	35 5 3	81 46 0	30.0	.30	<.10	>2.00	5,000	N	N	N	N	N
9CP032M5	35 5 52	81 46 38	30.0	.30	<.10	>2.00	7,000	N	N	N	N	N
9CP033M5	35 5 54	81 47 0	20.0	.70	.10	>2.00	5,000	N	N	N	N	N
9CP034M5	35 6 15	81 45 15	20.0	.50	.10	>2.00	5,000	N	N	N	20	N
9CP035M5	35 13 11	81 55 54	20.0	.70	.20	>2.00	10,000	N	N	N	500	N
9CP036M5	35 10 32	81 51 53	20.0	.15	<.10	>2.00	7,000	N	N	N	50	N
9CP037M5	35 10 17	81 51 8	20.0	1.00	.15	>2.00	10,000	N	N	N	<20	N
9CP038M5	35 9 29	81 50 1	20.0	1.00	.10	>2.00	5,000	N	N	N	200	N
9CP039M5	35 10 43	81 50 25	20.0	1.00	.15	>2.00	7,000	N	N	N	50	N
9CP040M5	35 11 0	81 50 1	20.0	.70	.15	>2.00	7,000	N	N	N	200	N
9CP041M5	35 11 49	81 48 26	20.0	.50	<.10	>2.00	7,000	N	N	N	150	N
9CP042M5	35 11 59	81 47 44	10.0	.70	.15	>2.00	7,000	N	N	N	1,000	N
9CP044M5	35 9 22	81 45 59	20.0	.70	.15	>2.00	7,000	N	N	N	100	N
					B1							
8A001M5	35 28 59	80 1 19	10.0	.50	.50	>2.00	>10,000	N	N	N	<20	300
8A002M5	35 29 22	80 4 8	10.0	1.50	5.00	2.00	>10,000	N	N	N	20	200
8A003M5	35 29 21	80 3 59	20.0	.20	.50	.50	3,000	N	N	N	20	300
8A004M5	35 29 2	80 3 33	20.0	.20	1.00	>2.00	>10,000	N	N	N	20	100
8A005M5	35 27 7	80 1 44	15.0	.70	1.00	>2.00	7,000	N	N	N	20	300
8A006M5	35 26 44	80 2 18	15.0	.70	2.00	>2.00	>10,000	N	N	N	20	100
8A008M5	35 24 46	80 1 23	15.0	.70	1.50	>2.00	>10,000	N	N	N	20	200
8A008M5	35 24 46	80 1 23	20.0	.07	.20	>2.00	>10,000	N	N	N	20	300
8A009M5	35 23 36	80 0 53	15.0	.50	1.50	>2.00	>10,000	N	N	N	20	300
8A010M5	35 25 34	80 0 43	20.0	.10	1.50	>2.00	>10,000	N	N	N	<20	300
8A011M5	35 22 45	80 1 44	15.0	.20	1.50	>2.00	>10,000	N	N	N	20	300
8A012M5	35 21 35	80 2 19	20.0	1.00	1.50	>2.00	>10,000	N	N	N	20	300
8A013M5	35 20 22	80 3 10	10.0	.30	1.50	>2.00	>10,000	N	N	N	50	200
8A014M5	35 18 28	80 0 45	15.0	3.00	1.50	>2.00	>10,000	N	N	N	<20	300
8A015M5	35 15 6	80 2 44	20.0	.70	1.00	>2.00	>10,000	N	N	N	20	300
8A016M5	35 16 49	80 1 20	20.0	.70	.70	>2.00	>10,000	N	N	N	20	300
8A017M5	35 17 43	80 3 36	15.0	.50	.70	>2.00	>10,000	N	N	N	20	200
8A018M5	35 15 14	80 4 17	20.0	.30	.20	>2.00	>10,000	N	N	N	20	500
8A019M5	35 19 36	80 3 20	15.0	.20	1.50	>2.00	>10,000	N	N	N	20	500
8A020M5	35 27 48	80 13 21	15.0	1.50	7.00	1.50	5,000	N	N	N	20	200
8A021M5	35 28 29	80 14 31	20.0	.50	.50	>2.00	10,000	N	N	N	20	300
8A022M5	35 27 18	80 10 1	20.0	2.00	7.00	>2.00	7,000	N	N	N	20	300
8A023M5	35 25 35	80 10 52	20.0	.30	5.00	>2.00	7,000	N	N	N	30	500
8A024M5	35 25 23	80 8 58	20.0	1.00	7.00	1.50	3,000	N	N	N	20	300
8A025M5	35 24 38	80 11 53	20.0	3.00	5.00	>2.00	10,000	N	N	N	30	300

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A8--Continued						
9CP026M5	N	N	N	70	300	15	>2,000	N	100	10	70
9CP027M5	N	N	N	70	150	15	200	N	200	15	30
9CP028M5	N	N	N	50	150	20	>2,000	N	500	15	50
9CP029M5	N	N	N	50	300	20	>2,000	10	200	15	50
9CP030M5	N	N	N	70	200	20	2,000	N	200	20	70
9CP031M5	N	N	N	70	200	N	2,000	N	500	10	50
9CP032M5	N	N	N	50	150	N	1,000	N	150	15	20
9CP033M5	N	N	N	50	200	10	700	N	150	15	20
9CP034M5	N	N	N	50	150	N	1,500	N	200	15	30
9CP035M5	N	N	N	70	200	20	700	N	200	20	70
9CP036M5	N	N	N	50	100	10	1,500	N	150	10	30
9CP037M5	N	N	N	50	200	15	1,000	N	150	10	70
9CP038M5	N	N	N	50	300	30	2,000	N	200	N	100
9CP039M5	N	N	N	50	200	15	1,000	N	200	15	50
9CP040M5	N	N	N	30	200	30	>2,000	N	150	10	100
9CP041M5	5	N	N	30	150	20	>2,000	N	200	10	50
9CP042M5	2	N	N	50	150	10	>2,000	N	200	N	150
9CP044M5	N	N	N	50	200	10	>2,000	N	200	N	100
					B1--Continued						
8A001M5	<2	N	N	70	3,000	150	N	N	500	20	20
8A002M5	5	N	N	70	700	100	N	N	50	100	30
8A003M5	7	N	N	150	2,000	150	N	N	N	200	50
8A004M5	<2	N	N	100	5,000	200	N	N	100	30	20
8A005M5	5	N	N	100	2,000	200	N	N	100	100	100
8A006M5	<2	N	N	50	700	200	N	N	70	20	70
8A008M5	3	N	N	70	1,000	300	N	N	100	50	100
8A008M5	<2	N	N	70	100	200	N	N	100	<10	50
8A009M5	2	N	N	50	1,000	200	N	N	100	<10	100
8A010M5	2	N	N	70	700	300	N	N	100	<10	30
8A011M5	2	N	N	70	3,000	300	N	N	100	<10	150
8A012M5	2	N	N	100	3,000	300	N	N	100	50	150
8A013M5	<2	N	N	20	3,000	200	N	<10	100	<10	100
8A014M5	<2	N	N	70	5,000	200	N	N	100	100	70
8A015M5	3	N	N	100	7,000	200	N	N	100	50	70
8A016M5	2	N	N	70	10,000	300	N	N	100	70	70
8A017M5	<2	N	N	50	3,000	200	N	<10	200	<10	100
8A018M5	7	N	N	100	3,000	200	N	N	150	<10	70
8A019M5	<2	N	N	50	1,000	200	N	N	150	<10	100
8A020M5	<2	N	N	50	1,000	100	N	N	<50	100	50
8A021M5	5	N	N	100	3,000	200	N	N	100	50	700
8A022M5	2	N	N	100	1,500	150	N	N	50	150	70
8A023M5	3	N	N	50	3,000	150	N	N	70	<10	200
8A024M5	5	N	N	70	700	100	50	N	<50	100	50
8A025M5	5	N	N	100	3,000	200	N	N	70	200	300

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples fros the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A8--Continued					
9CP026M5	N	10	N	N	150	N	500	<500	200	2,000
9CP027M5	N	50	N	N	150	N	1,500	500	200	N
9CP028M5	N	10	N	N	150	N	2,000	500	>2,000	2,000
9CP029M5	N	10	N	N	150	N	200	N	300	2,000
9CP030M5	N	10	N	N	150	N	200	N	500	2,000
9CP031M5	N	10	N	N	150	N	200	<500	700	2,000
9CP032M5	N	50	N	N	100	N	500	500	100	N
9CP033M5	N	70	N	N	150	N	2,000	500	100	200
9CP034M5	N	50	N	N	100	N	300	500	1,000	700
9CP035M5	N	100	N	N	100	N	3,000	700	300	300
9CP036M5	N	30	N	N	100	N	2,000	N	2,000	500
9CP037M5	N	100	N	N	100	N	3,000	N	500	700
9CP038M5	N	10	N	N	150	<100	>5,000	N	700	1,000
9CP039M5	N	150	N	N	100	N	5,000	N	500	300
9CP040M5	N	10	N	N	100	N	5,000	N	500	3,000
9CP041M5	N	10	N	N	100	N	5,000	N	1,000	2,000
9CP042M5	N	10	300	N	70	N	>5,000	N	1,000	5,000
9CP044M5	N	10	N	N	100	N	2,000	N	700	3,000
					B1--Continued					
8A001M5	N	20	N	N	200	N	50	1,500	100	N
8A002M5	N	100	N	N	300	N	200	500	100	N
8A003M5	N	50	N	N	2,000	N	50	N	100	N
8A004M5	N	50	N	N	200	N	300	1,000	200	N
8A005M5	N	50	N	N	200	N	50	N	150	N
8A006M5	N	70	N	200	300	N	70	1,500	150	N
8A007M5	N	50	N	200	300	N	70	700	150	N
8A008M5	N	20	N	N	70	N	70	1,000	200	N
8A009M5	N	100	N	<200	300	N	70	1,500	2,000	N
8A010M5	N	100	N	N	300	N	70	1,000	500	N
8A011M5	N	100	N	N	300	N	150	3,000	1,500	N
8A012M5	N	150	N	N	300	N	100	2,000	2,000	N
8A013M5	N	70	N	<200	200	N	300	1,500	2,000	N
8A014M5	N	150	150	N	300	N	200	2,000	2,000	N
8A015M5	N	50	N	N	200	N	500	2,000	700	N
8A016M5	N	70	N	N	200	N	150	2,000	2,000	N
8A017M5	N	70	N	N	200	N	1,000	2,000	>2,000	N
8A018M5	N	50	N	N	300	N	50	1,500	700	N
8A019M5	N	100	N	200	200	N	100	1,000	2,000	N
8A020M5	N	70	N	700	700	N	50	N	100	N
8A021M5	N	70	N	N	300	N	70	1,000	300	N
8A022M5	N	100	N	700	500	N	100	N	150	N
8A023M5	N	50	N	700	300	N	300	N	150	N
8A024M5	N	70	N	1,000	500	N	70	N	150	N
8A025M5	N	70	N	500	700	N	100	500	200	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B1--Continued							
8AO26M5	35 25 16	80 14 0	20.0	5.00	10.00	>2.00	7,000	N	N	N	30	150
8AO27M5	35 23 20	80 7 17	30.0	.30	.50	2.00	10,000	N	N	N	20	700
8AO28M5	35 20 58	80 7 4	30.0	.20	1.50	2.00	7,000	N	N	N	20	700
8AO29M5	35 20 21	80 5 58	20.0	.20	1.00	>2.00	>10,000	N	N	N	20	100
8AO30M5	35 17 51	80 6 56	15.0	.50	10.00	2.00	7,000	N	N	N	30	300
8AO31M5	35 15 53	80 7 12	20.0	.70	5.00	>2.00	10,000	N	N	N	20	200
8AO32M5	35 15 24	80 8 26	15.0	.50	3.00	>2.00	>10,000	N	N	N	20	300
8AO33M5	35 19 11	80 9 20	20.0	5.00	7.00	>2.00	10,000	N	N	N	20	500
8AO34M5	35 17 13	80 13 14	20.0	1.50	.70	>2.00	>10,000	N	N	N	20	200
8LE012M5	35 25 1	80 14 43	20.0	1.50	.10	>2.00	7,000	N	N	N	200	N
8LE013M5	35 25 7	80 12 36	30.0	1.00	2.00	>2.00	>10,000	N	N	N	100	<50
					B2							
8MP001M5	35 15 3	80 21 47	20.0	.20	<.10	>2.00	10,000	N	N	N	N	N
8MP001M5	35 15 3	80 21 47	30.0	.50	.15	>2.00	>10,000	N	N	N	<20	<50
8MP002M5	35 15 39	80 23 58	30.0	.15	<.10	>2.00	7,000	N	N	N	N	N
8MP002M5	35 15 39	80 23 58	30.0	.20	N	>2.00	10,000	N	N	N	<20	<50
8MP003M5	35 15 39	80 24 3	30.0	.20	.20	>2.00	10,000	N	N	N	N	N
8MP003M5	35 15 39	80 24 3	30.0	.50	.50	>2.00	>10,000	N	N	N	<20	<50
8MP004M5	35 16 6	80 19 37	30.0	.15	<.10	>2.00	>10,000	N	N	N	N	N
8MP004M5	35 16 6	80 19 37	30.0	.30	N	>2.00	>10,000	N	N	N	<20	N
8MP005M5	35 18 30	80 16 2	30.0	.20	<.10	>2.00	10,000	N	N	N	N	N
8MP005M5	35 18 30	80 16 2	30.0	.20	<.10	>2.00	>10,000	N	N	N	<20	70
8MP006M5	35 17 2	80 18 2	20.0	.10	N	>2.00	7,000	N	N	N	N	N
8MP007M5	35 16 42	80 19 14	20.0	.50	.30	>2.00	>10,000	N	N	N	N	N
8MP007M5	35 16 42	80 19 14	20.0	.50	.20	>2.00	>10,000	N	N	N	<20	N
8MP008M5	35 17 33	80 21 23	20.0	.20	<.10	>2.00	10,000	N	N	N	N	N
8MP008M5	35 17 33	80 21 23	30.0	.70	.10	>2.00	>10,000	N	N	N	<20	50
8MP009M5	35 17 28	80 22 44	30.0	.10	<.10	>2.00	3,000	N	N	N	<20	70
8MP009M5	35 17 28	80 22 44	50.0	.15	<.10	>2.00	5,000	N	N	N	<20	50
8MP010M5	35 17 29	80 25 32	30.0	.20	.10	>2.00	10,000	N	N	N	N	50
8MP010M5	35 17 29	80 25 32	30.0	.50	.10	>2.00	>10,000	N	N	N	<20	N
8MP011M5	35 17 49	80 26 12	30.0	.20	<.10	>2.00	10,000	N	N	N	N	<50
8MP011M5	35 17 49	80 26 12	30.0	.50	<.10	>2.00	>10,000	N	N	N	<20	N
8MP012M5	35 18 22	80 26 42	20.0	.20	N	>2.00	10,000	N	N	N	N	N
8MP012M5	35 18 22	80 26 42	20.0	.30	N	>2.00	>10,000	N	N	N	<20	N
8MP013M5	35 17 11	80 29 29	20.0	.10	.20	>2.00	10,000	N	N	N	N	N
8MP013M5	35 17 11	80 29 29	30.0	.20	.20	>2.00	>10,000	N	N	N	<20	50
8MP014M5	35 19 17	80 29 16	20.0	.15	<.10	>2.00	10,000	N	N	N	N	N
8MP014M5	35 19 17	80 29 16	20.0	.30	.10	>2.00	>10,000	N	N	N	<20	N
8MP015M5	35 19 5	80 28 39	30.0	.20	<.10	>2.00	10,000	N	N	N	N	N
8MP015M5	35 19 5	80 28 39	20.0	.50	.15	>2.00	>10,000	N	N	N	<20	N
8MP016M5	35 16 25	80 27 55	30.0	.30	N	>2.00	>10,000	N	N	N	N	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B1--Continued						
8A026M5	2	N	N	100	10,000	200	N	N	50	300	150
8A027M5	7	N	N	70	3,000	300	N	N	<50	100	150
8A028M5	7	N	N	100	2,000	300	N	N	<50	100	150
8A029M5	<2	N	N	100	30	200	N	N	<50	<10	20
8A030M5	3	N	N	50	2,000	150	N	N	<50	50	50
8A031M5	5	N	N	70	3,000	300	N	N	70	50	70
8A032M5	5	N	N	100	3,000	300	N	N	50	50	50
8A033M5	5	N	N	100	7,000	150	N	N	50	300	30
8A034M5	5	N	N	70	700	200	N	N	50	70	50
8LE012M5	20	N	N	50	300	10	70	N	200	50	30
8LE013M5	15	N	N	150	300	30	N	N	50	50	30
					B2--Continued						
8MP001M5	N	N	N	50	1,500	20	N	N	70	20	30
8MP001M5	N	N	N	20	3,000	30	N	N	70	50	100
8MP002M5	N	N	N	50	500	15	N	N	50	20	30
8MP002M5	N	N	N	15	1,000	70	N	N	50	50	30
8MP003M5	<2	N	N	30	700	20	50	N	70	15	30
8MP003M5	N	N	N	15	100	30	N	N	70	30	30
8MP004M5	N	N	N	70	150	20	N	N	70	20	30
8MP004M5	N	N	N	20	100	150	N	N	50	20	50
8MP005M5	N	N	N	70	300	20	N	N	100	20	50
8MP005M5	N	N	N	20	300	20	N	N	50	20	50
8MP006M5	N	N	N	30	500	20	N	N	50	10	20
8MP007M5	N	N	N	50	500	30	N	N	100	20	50
8MP007M5	N	N	N	20	100	30	N	N	100	20	50
8MP008M5	N	N	N	50	1,500	20	50	N	100	20	50
8MP008M5	2	N	N	20	3,000	50	N	N	100	30	100
8MP009M5	2	N	N	20	1,000	10	50	N	70	10	70
8MP009M5	10	N	N	10	1,500	70	N	N	70	15	70
8MP010M5	N	N	N	50	700	20	N	N	100	15	20
8MP010M5	N	N	N	20	150	20	N	N	50	20	50
8MP011M5	N	N	N	50	300	20	N	N	50	15	50
8MP011M5	N	N	N	30	700	20	N	N	100	20	50
8MP012M5	N	N	N	50	150	20	N	N	50	10	30
8MP012M5	N	N	N	20	500	15	N	N	70	20	50
8MP013M5	N	N	N	50	500	20	N	N	100	<10	30
8MP013M5	N	N	N	20	700	50	N	N	70	20	50
8MP014M5	N	N	N	70	300	20	N	N	100	10	<20
8MP014M5	N	N	N	30	700	30	N	N	100	20	20
8MP015M5	N	N	N	70	300	20	N	N	100	20	20
8MP015M5	N	N	N	100	1,000	30	N	N	50	30	50
8MP016M5	N	N	N	70	300	20	N	N	100	15	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B1--Continued					
8A026M5	N	100	N	700	700	N	70	N	100	N
8A027M5	N	70	N	N	700	N	70	500	150	N
8A028M5	N	50	N	300	1,000	N	70	500	70	N
8A029M5	N	50	N	N	300	N	50	700	200	N
8A030M5	N	70	N	500	700	N	70	500	100	N
8A031M5	N	50	N	300	700	N	50	500	200	N
8A032M5	N	70	N	300	500	N	50	500	300	N
8A033M5	N	100	N	200	1,000	N	50	500	200	N
8A034M5	N	50	N	<200	300	N	70	500	100	N
8LE012M5	N	20	20	N	200	N	50	2,000	300	N
8LE013M5	N	30	50	<200	200	N	150	700	500	N
					B2--Continued					
8MP001M5	N	30	N	N	300	N	20	N	700	N
8MP001M5	N	20	N	N	300	N	20	500	300	N
8MP002M5	N	50	N	N	300	N	N	N	200	N
8MP002M5	N	20	N	N	300	N	<20	N	50	N
8MP003M5	N	50	N	N	300	N	50	N	500	N
8MP003M5	N	30	N	N	300	N	50	N	100	N
8MP004M5	N	50	N	N	300	N	30	N	100	N
8MP004M5	N	20	N	N	300	N	30	N	50	N
8MP005M5	N	50	N	N	300	N	30	N	700	N
8MP005M5	N	20	N	N	500	N	30	N	150	N
8MP006M5	N	20	N	N	200	N	30	N	>2,000	N
8MP007M5	N	50	N	N	200	N	30	N	150	N
8MP007M5	N	20	N	N	300	N	20	N	100	N
8MP008M5	N	30	N	N	300	N	30	N	300	N
8MP008M5	N	30	N	N	300	N	70	500	500	N
8MP009M5	N	20	N	N	500	N	200	N	500	N
8MP009M5	N	20	N	N	500	N	200	<500	700	N
8MP010M5	N	70	N	N	300	N	<20	N	300	N
8MP010M5	N	30	N	N	500	N	20	500	50	N
8MP011M5	N	70	N	N	300	N	N	N	150	N
8MP011M5	N	50	N	N	500	N	20	500	700	N
8MP012M5	N	50	N	N	300	N	<20	N	150	N
8MP012M5	N	20	N	N	300	N	50	N	150	N
8MP013M5	N	30	N	N	300	N	N	N	200	N
8MP013M5	N	20	N	N	500	N	30	N	200	N
8MP014M5	N	50	N	N	300	N	N	N	200	N
8MP014M5	N	30	N	N	500	N	30	500	500	N
8MP015M5	N	50	N	N	300	N	N	N	100	N
8MP015M5	N	30	N	N	500	N	30	N	50	N
8MP016M5	N	70	N	N	500	N	N	N	100	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B2--Continued							
8MP016M5	35 16 25	80 27 55	30.0	.30	N	>2.00	>10,000	N	N	N	<20	N
8MP018M5	35 24 1	80 28 46	30.0	.10	.20	>2.00	10,000	N	N	N	N	N
8MP018M5	35 24 1	80 28 46	30.0	.30	.50	>2.00	>10,000	N	N	N	<20	100
8MP019M5	35 23 54	80 28 48	30.0	.20	.30	>2.00	3,000	N	N	N	N	N
8MP019M5	35 23 54	80 28 48	50.0	.50	.70	>2.00	7,000	N	N	N	<20	50
8MP020M5	35 23 14	80 26 16	30.0	.05	.10	>2.00	>10,000	N	N	N	N	N
8MP020M5	35 23 14	80 26 16	30.0	.10	.10	>2.00	>10,000	N	N	N	<20	<50
8MP021M5	35 22 30	80 27 33	30.0	<.05	.10	>2.00	>10,000	N	N	N	N	N
8MP021M5	35 22 30	80 27 33	30.0	.10	<.10	>2.00	>10,000	N	N	N	<20	70
8MP022M5	35 21 42	80 27 16	30.0	.05	.15	>2.00	>10,000	N	N	N	N	N
8MP022M5	35 21 42	80 27 16	20.0	.10	<.10	>2.00	>10,000	N	N	N	<20	<50
8MP023M5	35 21 32	80 27 18	30.0	.05	.10	>2.00	10,000	N	N	N	N	N
8MP023M5	35 21 32	80 27 18	30.0	.10	.10	>2.00	>10,000	N	N	N	<20	<50
8MP024M5	35 21 7	80 27 1	20.0	.10	<.10	>2.00	>10,000	N	N	N	N	N
8MP024M5	35 21 7	80 27 1	20.0	.15	<.10	>2.00	>10,000	N	N	N	<20	N
8MP025M5	35 21 10	80 28 49	20.0	.05	.20	>2.00	>10,000	N	N	N	N	N
8MP025M5	35 21 10	80 28 49	30.0	.10	.15	>2.00	>10,000	N	N	N	<20	<50
8MP026M5	35 21 9	80 28 55	20.0	.10	.30	>2.00	>10,000	N	N	N	N	<50
8MP027M5	35 20 8	80 27 40	20.0	.05	N	>2.00	10,000	N	N	N	N	N
8MP027M5	35 20 8	80 27 40	15.0	.07	.15	>2.00	>10,000	N	N	N	<20	<50
8MP028M5	35 20 33	80 26 9	20.0	.10	.15	>2.00	10,000	N	N	N	N	N
8MP028M5	35 20 33	80 26 9	30.0	.15	.15	>2.00	>10,000	N	N	N	<20	N
8MP029M5	35 19 35	80 26 51	20.0	.15	<.10	>2.00	>10,000	N	N	N	<20	70
8MP029M5	35 19 35	80 26 51	20.0	.15	<.10	>2.00	>10,000	N	N	N	<20	50
8MP030M5	35 21 18	80 25 36	20.0	.20	.50	>2.00	10,000	N	N	N	<20	50
8MP030M5	35 21 18	80 25 36	20.0	.15	.30	>2.00	>10,000	N	N	N	<20	<50
8MP031M5	35 21 52	80 25 13	20.0	.10	<.10	>2.00	>10,000	N	N	N	<20	70
8MP031M5	35 21 52	80 25 13	20.0	.10	.10	>2.00	>10,000	N	N	N	<20	100
8MP032M5	35 22 13	80 25 21	15.0	.07	.10	>2.00	7,000	N	N	N	<20	N
8MP033M5	35 20 2	80 23 52	20.0	.30	.15	>2.00	7,000	N	N	N	<20	200
8MP034M5	35 19 14	80 23 3	20.0	.10	N	>2.00	10,000	N	N	N	<20	N
8MP034M5	35 19 14	80 23 3	30.0	.15	N	>2.00	>10,000	N	N	N	<20	N
8MP035M5	35 19 39	80 22 45	20.0	.15	<.10	>2.00	5,000	N	N	N	20	150
8MP036M5	35 21 1	80 22 43	20.0	.15	<.10	>2.00	7,000	N	N	N	<20	70
8MP037M5	35 21 7	80 22 44	20.0	.20	.20	>2.00	10,000	N	N	N	20	300
8MP038M5	35 21 11	80 21 13	15.0	.10	.10	>2.00	10,000	N	N	N	20	150
8MP039M5	35 20 3	80 20 35	30.0	.10	<.10	>2.00	3,000	N	N	N	N	200
8MP040M5	35 19 54	80 20 9	30.0	.10	<.10	>2.00	5,000	N	N	N	N	50
8MP040M5	35 19 54	80 20 9	30.0	.15	.20	>2.00	10,000	N	N	N	<20	50
8MP041M5	35 20 3	80 18 41	30.0	.10	<.10	>2.00	2,000	N	N	N	N	N
8MP041M5	35 20 3	80 18 41	30.0	.30	.20	>2.00	5,000	N	N	N	<20	50
8MP042M5	35 21 13	80 17 12	20.0	2.00	1.00	>2.00	7,000	N	N	N	N	300
8MP043M5	35 19 48	80 16 11	30.0	.10	.10	>2.00	10,000	N	N	N	N	50
8MP044M5	35 19 51	80 17 43	30.0	.20	.20	>2.00	10,000	N	N	N	N	N
8MP044M5	35 19 51	80 17 43	20.0	.70	.15	>2.00	>10,000	N	N	N	<20	<50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B2--Continued						
8MP016M5	N	N	N	20	300	15	N	N	100	30	50
8MP018M5	N	N	N	50	300	15	N	N	150	10	20
8MP018M5	N	N	N	20	300	50	N	N	50	20	50
8MP019M5	N	N	N	70	500	<10	70	N	<50	50	20
8MP019M5	2	N	N	50	500	50	N	N	<50	50	30
8MP020M5	N	N	N	50	100	15	N	N	100	<10	20
8MP020M5	N	N	N	20	300	30	N	N	100	<10	30
8MP021M5	N	N	N	30	100	15	N	N	100	<10	30
8MP021M5	N	N	N	20	150	50	N	N	100	<10	50
8MP022M5	N	N	N	100	300	10	N	N	70	10	30
8MP022M5	N	N	N	30	200	50	N	N	70	10	30
8MP023M5	N	N	N	50	150	15	N	N	70	10	20
8MP023M5	N	N	N	30	200	70	N	N	70	10	20
8MP024M5	N	N	N	70	3,000	15	N	N	70	20	20
8MP024M5	N	N	N	20	2,000	30	N	N	100	10	20
8MP025M5	N	N	N	70	200	15	N	N	50	<10	20
8MP025M5	N	N	N	50	100	50	N	N	70	20	20
8MP026M5	N	N	N	70	100	20	N	N	50	<10	30
8MP027M5	N	N	N	50	700	20	N	N	50	<10	30
8MP027M5	N	N	N	20	70	30	N	N	50	<10	50
8MP028M5	N	N	N	30	100	20	N	N	200	<10	<20
8MP028M5	N	N	N	20	500	10	50	N	200	<10	<20
8MP029M5	2	N	N	100	500	15	N	N	50	15	50
8MP029M5	N	N	N	20	700	20	N	N	70	10	30
8MP030M5	2	N	N	70	700	15	50	N	100	15	50
8MP030M5	N	N	N	30	100	20	N	N	100	10	30
8MP031M5	2	N	N	100	1,000	15	N	N	100	20	50
8MP031M5	N	N	N	30	700	70	N	N	100	10	30
8MP032M5	N	N	N	30	1,000	10	N	N	50	20	30
8MP033M5	3	N	N	50	70	15	N	N	70	50	50
8MP034M5	N	N	N	50	150	15	N	N	70	<10	70
8MP034M5	N	N	N	50	300	30	N	N	70	10	70
8MP035M5	3	N	N	70	70	10	N	N	70	70	50
8MP036M5	2	N	N	50	70	15	N	N	70	20	30
8MP037M5	3	N	N	50	1,500	15	N	N	70	50	70
8MP038M5	5	N	N	30	100	15	N	N	70	30	50
8MP039M5	10	N	N	30	1,000	15	N	N	50	15	50
8MP040M5	7	N	N	30	1,500	20	N	N	70	15	50
8MP040M5	3	N	N	30	1,000	100	N	N	70	15	70
8MP041M5	5	N	N	20	700	15	N	N	70	20	30
8MP041M5	7	N	N	15	700	50	N	N	50	20	50
8MP042M5	2	N	N	100	700	20	N	N	<50	200	200
8MP043M5	N	N	N	100	700	15	N	N	100	20	50
8MP044M5	N	N	N	50	1,000	15	N	N	70	20	50
8MP044M5	N	N	N	50	500	70	N	N	100	50	70

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B2--Continued					
8MP016M5	N	30	N	N	300	N	70	N	100	N
8MP018M5	N	50	N	200	300	N	20	N	500	200
8MP018M5	N	30	N	200	300	N	50	N	70	N
8MP019M5	N	30	N	N	1,000	N	150	N	>2,000	N
8MP019M5	N	20	N	500	1,000	N	150	N	>2,000	500
8MP020M5	N	50	N	N	200	N	20	N	200	N
8MP020M5	N	20	N	N	200	N	50	N	300	N
8MP021M5	N	100	N	N	200	N	20	N	300	N
8MP021M5	N	50	N	N	300	N	50	N	300	N
8MP022M5	N	50	N	N	300	N	20	N	150	N
8MP022M5	N	20	N	N	200	N	30	N	70	N
8MP023M5	N	30	N	N	200	N	<20	N	100	N
8MP023M5	N	20	N	N	300	N	30	N	100	N
8MP024M5	N	50	N	N	300	N	N	N	150	N
8MP024M5	N	20	N	N	200	N	20	N	100	N
8MP025M5	N	30	N	N	300	N	N	N	200	N
8MP025M5	N	20	N	N	300	N	50	N	70	N
8MP026M5	N	50	N	N	300	N	N	N	100	N
8MP027M5	N	50	N	N	300	N	20	N	300	N
8MP027M5	N	15	N	N	200	N	20	500	100	N
8MP028M5	N	70	N	N	500	N	30	N	1,000	N
8MP028M5	N	50	N	N	300	N	70	N	1,000	N
8MP029M5	N	70	N	N	700	N	<20	N	300	N
8MP029M5	N	20	N	N	500	N	50	N	300	N
8MP030M5	N	70	N	N	500	N	20	N	500	N
8MP030M5	N	20	N	N	500	N	30	N	700	N
8MP031M5	N	100	N	N	500	N	<20	N	500	N
8MP031M5	N	30	N	N	500	N	20	N	700	N
8MP032M5	N	20	N	N	500	N	N	N	50	N
8MP033M5	N	30	N	N	200	N	N	N	200	N
8MP034M5	N	50	N	N	200	N	<20	N	100	N
8MP034M5	N	20	N	N	300	N	20	N	300	N
8MP035M5	N	30	N	N	300	N	N	N	150	N
8MP036M5	N	30	N	N	200	N	N	N	150	N
8MP037M5	N	50	N	N	300	N	<20	N	300	N
8MP038M5	N	30	N	N	200	N	20	N	150	N
8MP039M5	N	50	N	N	700	N	30	N	300	N
8MP040M5	N	50	N	N	700	N	50	N	300	N
8MP040M5	N	20	N	N	300	N	20	N	200	N
8MP041M5	N	30	N	N	500	N	<20	N	500	N
8MP041M5	N	20	N	N	500	N	<20	N	200	N
8MP042M5	N	70	150	N	500	N	30	N	100	N
8MP043M5	N	70	N	N	700	N	20	N	700	N
8MP044M5	N	50	N	N	500	N	<20	N	500	N
8MP044M5	N	20	N	N	300	N	20	N	70	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B2--Continued							
8MP045M5	35 15 39	80 27 56	20.0	.15	.30	>2.00	10,000	N	N	N	N	N
8MP045M5	35 15 39	80 27 56	30.0	.30	.20	>2.00	>10,000	N	N	N	<20	N
8MP101M5	35 28 34	80 15 24	30.0	.10	<.10	>2.00	10,000	N	N	N	N	N
8MP101M5	35 28 34	80 15 24	20.0	.20	<.10	>2.00	>10,000	N	N	N	<20	N
8MP102M5	35 27 36	80 18 52	20.0	1.00	.30	>2.00	>10,000	N	N	N	N	N
8MP102M5	35 27 36	80 18 52	30.0	1.00	.30	>2.00	>10,000	N	N	N	<20	50
8MP103M5	35 27 28	80 19 57	20.0	.10	.30	>2.00	10,000	N	N	N	N	150
8MP103M5	35 27 28	80 19 57	30.0	.50	.20	>2.00	>10,000	N	N	N	20	100
8MP104M5	35 28 16	80 21 14	20.0	.10	.10	>2.00	>10,000	N	N	N	N	N
8MP104M5	35 28 16	80 21 14	20.0	.15	.10	>2.00	>10,000	N	N	N	<20	<50
8MP105M5	35 29 18	80 18 51	20.0	.50	.50	>2.00	>10,000	N	N	N	N	N
8MP105M5	35 29 18	80 18 51	30.0	1.00	.50	>2.00	>10,000	N	N	N	<20	50
8MP106M5	35 28 13	80 20 40	20.0	1.00	1.50	>2.00	>10,000	N	N	N	<20	N
8MP106M5	35 28 13	80 20 40	20.0	2.00	3.00	>2.00	>10,000	N	N	N	20	50
8MP107M5	35 26 36	80 21 38	20.0	.10	<.10	>2.00	7,000	N	N	N	N	<50
8MP107M5	35 26 36	80 21 38	30.0	.50	.50	>2.00	>10,000	10.0	N	N	20	200
8MP108M5	35 26 1	80 22 13	20.0	.30	.50	>2.00	10,000	N	N	N	N	N
8MP108M5	35 26 1	80 22 13	30.0	.70	.70	>2.00	>10,000	N	N	N	<20	50
8MP109M5	35 25 54	80 23 16	20.0	.10	<.10	>2.00	>10,000	N	N	N	N	N
8MP109M5	35 25 54	80 23 16	50.0	.10	<.10	>2.00	>10,000	N	N	N	<20	50
8MP110M5	35 26 2	80 23 59	30.0	.07	.20	>2.00	7,000	N	N	N	N	N
8MP110M5	35 26 2	80 23 59	50.0	.15	.30	>2.00	>10,000	N	N	N	<20	50
8MP111M5	35 26 58	80 23 48	20.0	.10	.50	>2.00	10,000	N	N	N	20	N
8MP111M5	35 26 58	80 23 48	50.0	.20	1.50	>2.00	>10,000	N	N	N	20	50
8MP112M5	35 28 11	80 22 53	30.0	.10	.50	>2.00	>10,000	N	N	N	N	N
8MP112M5	35 28 11	80 22 53	30.0	.20	1.00	>2.00	>10,000	N	N	N	<20	50
8MP113M5	35 28 42	80 23 19	30.0	.10	.30	>2.00	>10,000	N	N	N	N	N
8MP113M5	35 28 42	80 23 19	30.0	.20	.50	>2.00	>10,000	N	N	N	<20	N
8MP114M5	35 28 27	80 22 12	20.0	.07	<.10	>2.00	>10,000	N	N	N	N	N
8MP114M5	35 28 27	80 22 12	20.0	.05	.10	>2.00	>10,000	N	N	N	<20	<50
8MP115M5	35 29 13	80 22 24	20.0	.15	1.00	>2.00	>10,000	N	N	N	<20	N
8MP115M5	35 29 13	80 22 24	30.0	.15	3.00	>2.00	>10,000	N	N	N	<20	50
8MP116M5	35 29 55	80 22 50	15.0	.07	.70	>2.00	10,000	N	N	N	20	N
8MP116M5	35 29 55	80 22 50	20.0	.15	3.00	>2.00	>10,000	N	N	N	<20	<50
8MP117M5	35 29 15	80 25 48	20.0	.20	.30	>2.00	10,000	N	N	N	N	N
8MP117M5	35 29 15	80 25 48	30.0	.50	.50	>2.00	>10,000	N	N	N	<20	<50
8MP118M5	35 29 55	80 27 12	20.0	.15	.50	>2.00	10,000	N	N	N	N	N
8MP118M5	35 29 55	80 27 12	20.0	.50	1.00	>2.00	>10,000	N	N	N	<20	<50
8MP119M5	35 26 25	80 26 14	20.0	.30	.50	>2.00	10,000	N	N	N	N	N
8MP119M5	35 26 25	80 26 14	20.0	1.00	1.50	>2.00	>10,000	N	N	N	<20	50
8MP120M5	35 26 44	80 25 38	20.0	.10	.70	>2.00	>10,000	N	N	N	N	N
8MP120M5	35 26 44	80 25 38	20.0	.20	1.00	>2.00	>10,000	N	N	N	<20	<50
8MP122M5	35 27 27	80 28 36	20.0	.30	.50	>2.00	>10,000	N	N	N	N	50
8MP122M5	35 27 27	80 28 36	20.0	.50	.30	>2.00	>10,000	N	N	N	<20	50
8MP123M5	35 25 25	80 28 12	20.0	.10	.30	>2.00	>10,000	N	N	N	N	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B2--Continued						
8MP045M5	N	N	N	50	100	15	70	N	100	10	50
8MP045M5	N	N	N	50	70	15	N	N	150	15	30
8MP101M5	N	N	N	50	200	20	N	N	70	15	50
8MP101M5	N	N	N	50	200	20	N	N	100	30	50
8MP102M5	N	N	N	50	700	20	N	N	50	50	30
8MP102M5	N	N	N	50	5,000	20	N	N	50	50	50
8MP103M5	N	N	N	50	300	15	<50	N	70	50	50
8MP103M5	2	N	N	70	700	70	N	N	50	70	30
8MP104M5	<2	N	N	50	300	20	N	N	100	10	50
8MP104M5	N	N	N	30	70	20	N	10	100	10	30
8MP105M5	7	50	N	50	150	30	50	N	50	100	100
8MP105M5	3	70	N	50	200	200	N	N	70	70	200
8MP106M5	5	N	N	30	50	15	150	N	100	15	20
8MP106M5	5	N	N	30	100	30	100	N	300	20	20
8MP107M5	2	N	N	100	500	20	N	N	50	20	30
8MP107M5	3	N	N	50	1,000	50	N	N	50	20	30
8MP108M5	2	N	N	50	200	20	100	N	100	10	30
8MP108M5	N	N	N	50	500	50	70	N	200	20	30
8MP109M5	N	N	N	50	300	20	N	N	50	10	30
8MP109M5	N	N	N	50	300	50	N	N	<50	20	50
8MP110M5	N	N	N	50	700	20	N	N	<50	10	30
8MP110M5	N	N	N	50	300	50	N	N	50	20	30
8MP111M5	N	N	N	50	500	20	N	N	70	<10	20
8MP111M5	N	N	N	50	700	70	100	N	100	<10	20
8MP112M5	N	N	N	70	300	30	N	N	70	<10	30
8MP112M5	N	N	N	50	500	70	N	N	100	15	20
8MP113M5	N	N	N	50	500	30	N	N	70	<10	20
8MP113M5	N	N	N	50	300	70	N	N	70	10	<20
8MP114M5	N	N	N	50	300	20	N	N	70	<10	50
8MP114M5	N	N	N	30	150	30	N	N	70	<10	100
8MP115M5	N	N	N	100	500	30	N	N	50	10	50
8MP115M5	N	N	N	200	1,500	100	N	N	70	10	30
8MP116M5	N	N	N	100	1,000	20	N	N	50	10	20
8MP116M5	N	N	N	100	2,000	70	N	N	50	10	20
8MP117M5	N	N	N	100	300	20	N	N	<50	10	20
8MP117M5	N	N	N	100	2,000	50	N	N	50	15	20
8MP118M5	N	N	N	70	100	20	N	N	<50	10	20
8MP118M5	N	N	N	100	200	50	N	N	50	10	30
8MP119M5	N	N	N	150	200	20	N	N	<50	10	20
8MP119M5	N	N	N	150	700	70	N	N	50	15	30
8MP120M5	N	N	N	100	200	20	N	N	50	<10	20
8MP120M5	N	N	N	100	150	100	N	N	50	10	30
8MP122M5	N	N	N	100	700	10	N	N	70	10	30
8MP122M5	N	N	N	100	1,500	50	N	N	100	10	50
8MP123M5	N	N	N	100	5,000	10	N	N	70	15	20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B2--Continued					
8MP045M5	N	70	N	N	500	N	50	N	500	N
8MP045M5	N	30	N	N	500	N	70	N	1,000	N
8MP101M5	N	70	N	N	500	N	20	N	150	N
8MP101M5	N	20	N	N	500	N	30	N	100	N
8MP102M5	N	30	N	N	500	N	N	N	150	N
8MP102M5	N	15	N	N	300	N	50	N	70	N
8MP103M5	N	20	N	N	500	N	30	N	200	N
8MP103M5	N	15	N	N	700	N	20	N	70	N
8MP104M5	N	30	N	N	300	N	70	N	200	N
8MP104M5	N	10	N	N	300	N	50	N	150	N
8MP105M5	N	30	N	N	200	N	70	N	100	N
8MP105M5	N	50	N	N	300	N	200	N	300	N
8MP106M5	N	50	N	200	300	N	150	N	200	N
8MP106M5	N	50	N	200	200	N	150	500	500	N
8MP107M5	N	30	N	N	700	N	10	N	200	N
8MP107M5	N	50	N	N	1,000	N	50	N	150	N
8MP108M5	N	50	N	N	700	N	100	N	700	N
8MP108M5	N	50	N	N	500	N	100	N	2,000	N
8MP109M5	N	30	N	N	500	N	N	N	150	N
8MP109M5	N	30	N	N	300	N	30	500	50	N
8MP110M5	N	20	N	N	700	N	N	N	70	N
8MP110M5	N	20	N	N	500	N	20	N	70	N
8MP111M5	N	30	N	N	500	N	50	N	300	N
8MP111M5	N	30	N	<200	500	N	100	N	1,500	N
8MP112M5	N	50	N	N	500	N	30	N	100	N
8MP112M5	N	30	N	N	300	N	50	N	300	N
8MP113M5	N	30	N	N	500	N	20	N	200	N
8MP113M5	N	10	N	N	300	N	50	N	500	N
8MP114M5	N	50	N	N	300	N	20	N	200	N
8MP114M5	N	20	N	N	300	N	50	1,000	200	N
8MP115M5	N	50	N	200	500	N	20	N	300	N
8MP115M5	N	30	N	200	500	N	50	N	300	N
8MP116M5	N	30	N	<200	500	N	<20	N	150	N
8MP116M5	N	20	N	200	500	N	30	N	300	N
8MP117M5	N	20	N	N	500	N	20	N	100	N
8MP117M5	N	20	N	N	500	N	30	N	100	N
8MP118M5	N	20	N	<200	500	N	<20	N	200	N
8MP118M5	N	20	N	200	500	N	30	N	1,000	N
8MP119M5	N	20	N	N	500	N	N	N	100	N
8MP119M5	N	30	N	N	300	N	50	N	150	N
8MP120M5	N	20	N	N	500	N	N	N	150	N
8MP120M5	N	20	N	N	500	N	30	N	300	N
8MP122M5	N	30	N	N	500	N	20	N	500	N
8MP122M5	N	20	N	N	300	N	50	700	700	N
8MP123M5	N	30	N	N	300	N	<20	N	300	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B2--Continued							
8MP123M5	35 25 25	80 28 12	30.0	.50	.70	>2.00	>10,000	N	N	N	<20	50
8MP124M5	35 24 51	80 29 46	20.0	1.00	2.00	2.00	5,000	N	N	N	N	N
8MP124M5	35 24 51	80 29 46	20.0	2.00	10.00	>2.00	10,000	N	N	N	20	70
8MP125M5	35 24 35	80 27 44	20.0	.30	1.00	>2.00	>10,000	N	N	N	N	N
8MP125M5	35 24 35	80 27 44	20.0	1.00	3.00	>2.00	>10,000	N	N	N	<20	50
8MP126M5	35 23 36	80 24 25	20.0	1.00	1.50	>2.00	7,000	N	N	N	N	<50
8MP126M5	35 23 36	80 24 25	20.0	2.00	3.00	>2.00	10,000	N	N	N	<20	50
8MP127M5	35 23 0	80 23 0	20.0	.50	1.50	>2.00	10,000	N	N	N	N	100
8MP127M5	35 23 0	80 23 0	20.0	.50	3.00	>2.00	>10,000	N	N	N	<20	50
8MP128M5	35 23 6	80 22 5	20.0	1.50	1.50	2.00	3,000	N	N	N	N	150
8MP128M5	35 23 6	80 22 5	20.0	5.00	5.00	2.00	7,000	N	N	N	<20	200
8MP129M5	35 24 37	80 20 7	20.0	.30	.20	>2.00	5,000	N	N	N	20	150
8MP129M5	35 24 37	80 20 7	20.0	.50	.30	>2.00	10,000	N	N	N	20	500
8MP130M5	35 26 9	80 16 51	20.0	1.00	.70	>2.00	2,000	N	N	N	<20	150
8MP130M5	35 26 9	80 16 51	20.0	3.00	3.00	>2.00	7,000	N	N	N	20	300
8MP131M5	35 24 14	80 16 42	20.0	1.50	.70	>2.00	7,000	N	N	N	N	N
8MP131M5	35 24 14	80 16 42	30.0	5.00	2.00	>2.00	>10,000	N	N	N	<20	50
8MP132M5	35 23 9	80 15 43	20.0	.20	.10	>2.00	10,000	N	N	N	N	50
8MP132M5	35 23 9	80 15 43	30.0	.20	<.10	>2.00	>10,000	N	N	N	<20	100
8MP133M5	35 23 1	80 15 18	20.0	.30	.50	>2.00	7,000	N	N	N	<20	150
8MP134M5	35 22 55	80 19 24	20.0	.15	<.10	>2.00	10,000	N	N	N	N	N
8MP134M5	35 22 55	80 19 24	30.0	.30	.10	>2.00	>10,000	N	N	N	<20	50
8MP135M5	35 29 54	80 21 43	20.0	.15	1.50	>2.00	>10,000	N	N	N	N	70
8MP135M5	35 29 54	80 21 43	20.0	.30	3.00	>2.00	>10,000	2.0	N	N	<20	100
9MP050M5	35 23 11	80 23 33	30.0	.50	.20	>2.00	10,000	N	N	N	N	N
9MP052M5	35 19 38	80 25 39	20.0	.50	.30	>2.00	10,000	N	N	N	N	N
9MP053M5	35 18 21	80 25 38	30.0	.50	.10	>2.00	10,000	N	N	N	1,000	50
9MP054M5	35 18 16	80 25 38	20.0	1.00	.70	2.00	5,000	N	N	N	<20	300
9MP055M5	35 15 44	80 27 24	30.0	.30	.10	>2.00	3,000	N	N	70	20	<50
9MP056M5	35 17 32	80 24 0	30.0	.20	<.10	>2.00	10,000	N	N	N	20	N
9MP057M5	35 20 14	80 21 56	20.0	.50	.20	1.00	2,000	N	N	N	20	150
9MP058M5	35 17 30	80 21 24	30.0	.15	.10	>2.00	5,000	15.0	N	N	20	N
9MP059M5	35 16 4	80 16 4	20.0	1.50	1.00	>2.00	7,000	N	N	N	50	50
9MP060M5	35 15 48	80 17 31	20.0	.30	.10	>2.00	7,000	N	N	N	20	150
9MP061M5	35 21 38	80 21 31	20.0	.30	.10	>2.00	7,000	N	N	N	20	100
9MP062M5	35 21 43	80 21 21	20.0	2.00	2.00	2.00	7,000	N	N	N	<20	<50
9MP063M5	35 21 9	80 19 35	30.0	.30	.10	>2.00	7,000	N	N	N	20	<50
9MP064M5	35 20 53	80 19 22	30.0	.70	.50	>2.00	5,000	N	N	N	50	<50
9MP065M5	35 18 7	80 18 32	20.0	.15	.10	.50	1,000	N	N	N	50	100
9MP066M5	35 18 30	80 17 49	30.0	.50	.10	>2.00	7,000	N	N	N	20	N
9MP067M5	35 18 21	80 16 25	20.0	2.00	2.00	>2.00	5,000	N	N	N	30	N
9MP068M5	35 19 48	80 16 51	20.0	1.50	1.00	>2.00	7,000	N	N	N	20	N
9MP069M5	35 24 35	80 15 31	20.0	3.00	1.00	>2.00	7,000	N	N	N	20	N
9MP070M5	35 25 54	80 15 57	20.0	3.00	1.50	>2.00	7,000	N	N	N	20	<50
9MP071M5	35 26 5	80 19 30	20.0	1.00	.50	>2.00	7,000	N	N	N	<20	100

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B2--Continued						
8MP123M5	N	N	N	100	10,000	50	N	N	100	20	30
8MP124M5	3	N	N	70	300	10	N	N	150	30	30
8MP124M5	3	N	N	100	700	50	N	N	300	70	50
8MP125M5	N	N	N	100	700	15	N	N	200	30	30
8MP125M5	N	N	N	200	1,500	100	N	N	100	30	50
8MP126M5	5	N	N	50	500	20	100	N	100	30	30
8MP126M5	2	N	N	70	1,000	50	100	N	70	50	50
8MP127M5	N	N	N	100	200	20	N	N	50	20	30
8MP127M5	N	N	N	150	700	70	N	N	70	15	30
8MP128M5	5	N	N	70	300	50	N	N	<50	100	50
8MP128M5	3	N	N	100	1,500	70	N	10	100	150	30
8MP129M5	5	N	N	50	300	500	N	N	50	30	100
8MP129M5	5	N	N	50	1,500	30	50	N	50	70	70
8MP130M5	7	N	N	100	200	200	100	N	100	100	100
8MP130M5	7	N	N	100	500	100	50	N	1,000	200	70
8MP131M5	N	N	N	70	1,000	10	N	N	200	150	30
8MP131M5	N	N	N	100	1,500	30	N	N	50	150	50
8MP132M5	N	N	N	70	300	15	N	N	150	15	30
8MP132M5	N	N	N	70	200	30	N	N	70	20	70
8MP133M5	3	N	N	50	300	20	N	N	70	50	70
8MP134M5	N	N	N	70	700	10	N	N	50	15	50
8MP134M5	N	N	N	50	200	20	N	N	70	15	70
8MP135M5	N	70	N	30	700	1,000	N	N	100	10	300
8MP135M5	N	50	N	20	1,500	1,000	N	N	100	10	500
9MP050M5	2	N	N	70	7,000	50	150	N	200	150	100
9MP052M5	N	N	N	50	100	50	150	10	200	20	20
9MP053M5	2	N	N	70	500	2,000	<50	N	200	50	50
9MP054M5	5	N	N	50	1,000	150	N	N	50	150	30
9MP055M5	7	N	N	50	1,000	100	N	N	70	100	50
9MP056M5	<2	N	N	100	1,500	100	N	N	200	50	100
9MP057M5	10	N	N	70	300	100	N	N	N	100	50
9MP058M5	2	N	N	100	1,500	70	N	N	150	50	200
9MP059M5	3	N	N	70	1,000	100	<50	N	100	150	50
9MP060M5	7	N	N	150	200	150	N	N	70	100	50
9MP061M5	7	N	N	100	200	150	<50	N	150	100	70
9MP062M5	3	N	N	100	700	100	N	N	100	200	50
9MP063M5	5	N	N	50	1,500	150	70	N	200	70	100
9MP064M5	5	N	N	50	3,000	100	N	N	150	150	30
9MP065M5	7	N	N	150	300	150	N	N	N	100	70
9MP066M5	5	N	N	100	3,000	70	N	N	150	100	200
9MP067M5	2	N	N	100	1,000	70	N	N	100	150	50
9MP068M5	2	N	N	100	1,000	70	<50	N	100	150	100
9MP069M5	3	N	N	100	200	200	N	N	50	200	100
9MP070M5	N	N	N	100	1,000	50	N	N	100	500	30
9MP071M5	7	N	N	100	500	70	N	N	50	150	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B2--Continued					
8MP123M5	N	50	N	<200	300	N	100	1,000	700	N
8MP124M5	N	30	N	3,000	500	N	30	N	700	N
8MP124M5	N	30	N	5,000	500	N	50	N	1,500	<200
8MP125M5	N	30	N	300	300	N	30	N	500	N
8MP125M5	N	30	N	500	300	N	50	N	700	N
8MP126M5	N	70	N	300	500	N	100	N	1,000	N
8MP126M5	N	30	N	300	500	N	70	N	1,000	N
8MP127M5	N	30	N	1,000	500	N	20	N	1,000	N
8MP127M5	N	30	N	700	500	N	50	N	2,000	N
8MP128M5	N	50	N	<200	500	N	50	N	70	N
8MP128M5	N	50	N	N	300	N	70	N	100	N
8MP129M5	N	10	N	N	300	N	<20	N	100	N
8MP129M5	N	20	N	N	300	N	30	N	100	N
8MP130M5	N	15	N	<200	500	N	50	N	100	N
8MP130M5	N	30	N	<200	200	N	70	N	500	N
8MP131M5	N	30	N	N	300	N	100	N	50	N
8MP131M5	N	30	N	N	200	N	20	N	500	N
8MP132M5	N	30	N	N	300	N	<20	N	700	N
8MP132M5	N	30	N	N	200	N	20	N	70	N
8MP133M5	N	20	N	N	500	N	<20	N	150	N
8MP134M5	N	30	N	N	300	N	30	N	200	N
8MP134M5	N	30	N	N	200	N	20	N	70	N
8MP135M5	N	30	N	200	300	N	500	2,000	200	N
8MP135M5	N	30	N	200	200	N	200	1,000	200	N
9MP050M5	N	20	N	N	200	N	100	700	1,000	300
9MP052M5	N	30	N	N	300	N	100	500	>2,000	N
9MP053M5	N	30	100	N	200	N	300	700	300	N
9MP054M5	N	15	N	N	200	N	70	N	700	N
9MP055M5	N	20	N	N	200	N	50	<500	1,000	N
9MP056M5	N	30	N	N	200	N	200	700	1,000	N
9MP057M5	N	15	N	N	200	N	50	N	150	N
9MP058M5	N	20	N	N	200	N	200	500	700	<200
9MP059M5	N	30	150	<200	200	N	200	500	500	N
9MP060M5	N	15	N	N	100	N	50	500	150	N
9MP061M5	N	15	N	N	150	N	150	700	200	N
9MP062M5	N	50	N	N	200	N	50	N	150	N
9MP063M5	N	20	N	N	200	N	150	500	300	200
9MP064M5	N	20	N	N	200	N	30	500	500	200
9MP065M5	N	10	N	N	200	N	<20	N	100	N
9MP066M5	N	30	N	N	200	N	150	700	700	N
9MP067M5	N	50	N	200	200	N	200	<500	500	N
9MP068M5	N	50	N	<200	200	N	50	500	500	N
9MP069M5	N	50	N	200	200	N	30	<500	200	N
9MP070M5	N	30	N	N	200	N	70	<500	500	N
9MP071M5	N	20	N	N	300	N	30	<500	100	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B2--Continued							
9MP072M5	35 26 4	80 19 21	20.0	.15	.10	1.00	3,000	N	N	N	N	<50
9MP073M5	35 24 21	80 22 43	20.0	.20	1.00	>2.00	7,000	N	N	N	20	<50
					B3							
0CC001M5	35 22 15	80 30 15	20.0	1.50	.10	>2.00	5,000	N	N	N	<20	N
0CC002M5	35 22 14	80 30 14	20.0	1.00	<.10	>2.00	3,000	N	N	N	N	N
0CC003M5	35 22 14	80 30 15	20.0	1.00	<.10	>2.00	3,000	N	N	N	N	N
8CC002M5	35 15 30	80 35 37	50.0	1.00	1.50	>2.00	>10,000	N	N	N	<20	50
8CC004M5	35 15 0	80 35 37	30.0	5.00	5.00	>2.00	>10,000	N	N	N	<20	50
8CC005M5	35 15 1	80 35 38	30.0	3.00	5.00	>2.00	>10,000	N	N	N	20	70
8CC011M5	35 22 15	80 33 55	30.0	5.00	3.00	>2.00	>10,000	N	N	N	20	70
8CC012M5	35 21 47	80 34 25	15.0	7.00	7.00	>2.00	>10,000	N	N	N	20	70
8CC013M5	35 22 15	80 37 20	30.0	5.00	2.00	>2.00	>10,000	N	N	N	<20	100
8CC014M5	35 21 5	80 36 16	30.0	2.00	.70	>2.00	>10,000	N	N	N	<20	200
8CC016M5	35 16 16	80 33 45	30.0	1.50	3.00	>2.00	>10,000	N	N	N	<20	70
8CC019M5	35 17 40	80 36 2	20.0	2.00	3.00	>2.00	>10,000	N	N	N	<20	100
8CC024M5	35 16 8	80 32 50	30.0	1.00	3.00	>2.00	>10,000	N	N	N	<20	100
8CC029M5	35 15 34	80 33 26	20.0	.30	1.00	>2.00	7,000	50.0	N	200	<20	<50
8CC036M5	35 16 30	80 32 9	30.0	.50	1.00	>2.00	7,000	N	N	N	<20	N
8CC037M5	35 15 34	80 31 49	30.0	.15	1.00	>2.00	10,000	N	N	N	<20	100
8CC038M5	35 16 17	80 31 26	20.0	1.00	1.00	>2.00	10,000	N	N	N	<20	N
8CC039M5	35 16 51	80 31 44	15.0	3.00	3.00	2.00	5,000	N	N	N	<20	N
8CC042M5	35 18 31	80 34 17	20.0	1.50	1.00	>2.00	500	N	N	N	<20	N
8CC044M5	35 20 53	80 32 56	20.0	.70	1.50	>2.00	10,000	N	N	N	<20	N
8CC046M5	35 22 24	80 33 47	20.0	1.00	1.50	>2.00	7,000	N	N	N	<20	50
8CC049M5	35 22 25	80 30 14	15.0	1.50	3.00	2.00	3,000	N	N	N	20	N
8CC051M5	35 22 29	80 34 46	30.0	.50	.10	>2.00	>10,000	N	N	N	<20	N
8CC052M5	35 21 46	80 34 28	15.0	3.00	3.00	2.00	7,000	N	N	N	20	<50
8CC054M5	35 18 35	80 36 19	15.0	3.00	3.00	2.00	5,000	N	N	N	<20	N
8CC055M5	35 18 27	80 37 25	20.0	3.00	2.00	>2.00	5,000	N	N	N	20	N
8CC056M5	35 16 52	80 36 35	15.0	5.00	5.00	1.50	3,000	N	N	N	<20	<50
8CC057M5	35 15 21	80 36 17	30.0	.50	.30	>2.00	10,000	N	N	N	<20	N
8CC058M5	35 16 3	80 35 34	30.0	.30	.20	>2.00	10,000	N	N	N	<20	N
8CN001M5	35 25 11	80 36 30	15.0	2.00	1.50	>2.00	7,000	N	N	N	<20	N
8CN002M5	35 24 52	80 37 0	20.0	1.50	.50	>2.00	7,000	N	N	N	<20	50
8CN003M5	35 26 27	80 35 31	15.0	3.00	3.00	1.50	3,000	N	N	N	<20	N
8CN007M5	35 23 30	80 32 11	20.0	3.00	3.00	1.00	3,000	N	N	N	<20	N
8CN009M5	35 25 8	80 31 59	20.0	1.50	3.00	.70	2,000	N	N	N	<20	N
8CN010M5	35 26 2	80 32 4	15.0	2.00	5.00	.70	2,000	N	N	N	<20	N
8CN012M5	35 26 7	80 31 49	15.0	2.00	5.00	.70	2,000	N	N	N	<20	N
8CN013M5	35 25 59	80 32 12	15.0	.20	5.00	.70	3,000	N	N	N	<20	N
8CN016M5	35 28 51	80 30 6	15.0	1.00	2.00	2.00	7,000	N	N	N	<20	N
8CN018M5	35 29 35	80 31 26	15.0	.20	2.00	>2.00	10,000	N	N	N	<20	N
8CN019M5	35 28 28	80 32 38	20.0	1.00	2.00	2.00	5,000	N	N	N	<20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B2--Continued						
9MP072M5	10	N	N	100	700	70	N	N	50	100	30
9MP073M5	3	N	N	100	700	150	N	N	100	100	50
					B3--Continued						
0CC001M5	N	N	N	20	100	10	1,000	N	200	<10	50
0CC002M5	N	N	N	30	30	10	300	N	300	15	20
0CC003M5	N	N	N	30	50	20	500	N	200	15	<20
8CC002M5	N	N	N	100	300	70	N	N	50	<10	20
8CC004M5	N	N	N	100	200	50	N	N	50	50	20
8CC005M5	N	N	N	200	700	70	N	N	50	50	20
8CC011M5	N	N	N	50	200	15	150	N	200	50	50
8CC012M5	N	N	N	50	300	30	1,000	N	50	100	30
8CC013M5	N	N	N	70	150	10	100	N	200	50	20
8CC014M5	N	N	N	70	100	10	<50	N	300	30	20
8CC016M5	N	N	N	150	3,000	70	N	N	50	20	30
8CC019M5	N	N	N	100	700	50	N	N	50	30	<20
8CC024M5	N	N	N	150	1,000	70	50	N	50	20	30
8CC029M5	<2	N	N	50	1,000	50	70	N	100	20	20
8CC036M5	N	N	N	100	1,500	50	N	N	70	20	20
8CC037M5	N	N	N	70	1,500	30	N	N	100	20	50
8CC038M5	N	N	N	100	500	30	N	10	50	30	30
8CC039M5	3	N	N	50	700	30	N	N	50	50	20
8CC042M5	N	N	N	150	500	50	200	N	50	30	<20
8CC044M5	N	N	N	200	300	150	N	N	70	20	20
8CC046M5	N	N	N	100	1,000	70	50	N	150	30	30
8CC049M5	2	N	N	50	150	20	50	N	100	20	50
8CC051M5	N	N	N	20	20	<10	500	N	200	10	50
8CC052M5	N	N	N	50	100	15	200	N	70	50	30
8CC054M5	N	N	N	70	500	30	N	N	<50	100	30
8CC055M5	N	N	N	70	700	30	N	N	50	70	20
8CC056M5	N	N	N	70	300	20	70	N	N	50	20
8CC057M5	N	N	N	70	200	30	N	<10	100	20	30
8CC058M5	N	N	N	100	200	50	<50	N	100	30	20
8CN001M5	N	N	N	100	200	30	300	N	200	70	70
8CN002M5	N	N	N	100	50	15	200	N	150	70	20
8CN003M5	<2	N	N	100	100	20	50	N	N	70	50
8CN007M5	<2	N	N	150	150	50	150	N	<50	70	20
8CN009M5	3	N	N	30	150	15	200	N	200	50	50
8CN010M5	7	N	N	50	150	20	70	N	50	30	50
8CN012M5	5	N	N	50	100	15	100	N	N	50	30
8CN013M5	N	N	N	20	30	<10	N	N	N	10	100
8CN016M5	N	N	N	150	2,000	150	<50	N	5,000	20	30
8CN018M5	N	N	N	100	10,000	100	100	N	3,000	20	30
8CN019M5	N	N	N	300	5,000	200	<50	N	300	70	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B2--Continued					
9MP072M5	N	10	N	N	150	N	70	N	70	N
9MP073M5	N	20	N	<200	300	N	50	500	150	N
					B3--Continued					
0CC001M5	N	10	N	<200	50	N	5,000	N	700	2,000
0CC002M5	N	50	N	N	70	N	2,000	<500	500	N
0CC003M5	N	50	N	N	70	N	2,000	<500	300	N
8CC002M5	N	50	N	N	500	N	50	N	2,000	N
8CC004M5	N	70	N	300	500	N	50	N	500	N
8CC005M5	N	70	N	300	500	N	50	N	2,000	N
8CC011M5	N	70	N	<200	500	N	50	N	1,000	N
8CC012M5	N	70	N	300	500	N	200	N	2,000	300
8CC013M5	N	100	N	N	500	N	50	N	2,000	N
8CC014M5	N	100	N	N	500	N	70	N	>2,000	N
8CC016M5	N	50	N	<200	500	N	50	N	500	N
8CC019M5	N	70	N	200	700	N	50	N	500	N
8CC024M5	N	50	N	500	1,000	N	50	N	300	N
8CC029M5	N	20	N	200	300	N	50	500	1,000	N
8CC036M5	N	20	N	200	500	N	20	500	150	N
8CC037M5	N	30	N	200	500	200	20	700	200	N
8CC038M5	N	20	N	500	500	N	20	<500	200	N
8CC039M5	N	30	N	1,500	300	N	20	N	1,000	N
8CC042M5	N	30	N	200	300	N	50	N	200	N
8CC044M5	N	20	N	300	200	N	50	<500	700	N
8CC046M5	N	30	N	300	500	N	70	<500	700	N
8CC049M5	N	20	N	2,000	500	N	30	N	1,000	N
8CC051M5	N	30	N	N	150	N	50	<500	>2,000	N
8CC052M5	N	50	N	200	200	N	200	N	>2,000	N
8CC054M5	N	50	N	300	300	N	30	<500	500	N
8CC055M5	N	50	N	300	300	N	20	<500	100	N
8CC056M5	N	70	N	300	300	N	50	N	300	N
8CC057M5	N	20	N	<200	200	N	20	500	300	N
8CC058M5	N	20	N	N	200	N	30	<500	300	N
8CN001M5	N	50	N	200	200	N	100	<500	700	N
8CN002M5	N	30	N	N	150	N	50	<500	1,500	N
8CN003M5	N	50	N	200	300	N	70	N	700	N
8CN007M5	N	50	N	700	500	N	50	N	300	N
8CN009M5	N	50	N	2,000	500	N	50	N	1,000	N
8CN010M5	N	50	N	2,000	500	N	50	N	300	N
8CN012M5	N	50	N	1,500	500	N	30	N	700	N
8CN013M5	N	70	N	2,000	300	N	50	N	200	N
8CN016M5	N	70	N	700	300	N	200	N	500	N
8CN018M5	N	30	N	700	200	N	70	1,000	700	N
8CN019M5	N	30	N	700	200	N	30	<500	500	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B3--Continued							
8CN020M5	35 27 27	80 31 49	15.0	2.00	3.00	1.00	3,000	N	N	N	<20	N
8CN021M5	35 27 27	80 31 43	15.0	3.00	3.00	.70	2,000	N	N	N	<20	N
8CN022M5	35 27 36	80 32 16	20.0	2.00	3.00	1.50	5,000	N	N	N	<20	N
8CN023M5	35 25 6	80 34 20	20.0	2.00	1.50	>2.00	7,000	N	N	N	<20	N
8CN024M5	35 24 3	80 33 29	20.0	3.00	3.00	1.00	3,000	N	N	N	<20	50
8CN025M5	35 25 35	80 33 58	20.0	1.50	2.00	2.00	7,000	N	N	N	<20	N
8CN026M5	35 26 38	80 33 41	20.0	2.00	2.00	1.00	3,000	N	N	N	<20	N
8CN029M5	35 28 53	80 34 45	20.0	2.00	2.00	2.00	7,000	N	N	N	<20	N
8CN030M5	35 29 33	80 35 49	20.0	1.00	1.00	>2.00	10,000	N	N	N	<20	N
8CN031M5	35 28 58	80 36 5	30.0	2.00	2.00	2.00	5,000	N	N	N	<20	N
8CN032M5	35 27 5	80 34 45	20.0	2.00	2.00	2.00	5,000	N	N	N	<20	N
8HA001M5	35 15 55	80 38 22	10.0	1.50	15.00	.70	2,000	N	N	N	50	50
8HA001M5	35 15 55	80 38 22	15.0	2.00	15.00	2.00	5,000	N	N	N	20	<50
8HA002M5	35 16 45	80 38 44	15.0	1.50	15.00	1.50	5,000	N	N	N	100	70
8HA003M5	35 18 12	80 39 22	15.0	1.50	15.00	2.00	3,000	N	N	N	70	50
8HA004M5	35 17 40	80 44 39	15.0	1.50	15.00	1.50	3,000	N	N	N	200	50
8HA005M5	35 16 57	80 44 54	20.0	1.00	20.00	2.00	5,000	N	N	N	300	50
8HA006M5	35 16 59	80 44 57	15.0	2.00	15.00	2.00	3,000	N	N	N	100	50
8HA007M5	35 16 39	80 43 55	15.0	.50	10.00	>2.00	10,000	N	N	N	200	<50
8HA008M5	35 15 23	80 42 4	15.0	1.50	20.00	>2.00	7,000	N	N	N	150	<50
8HA009M5	35 15 31	80 40 38	15.0	2.00	20.00	2.00	5,000	N	N	N	300	50
8HA010M5	35 16 10	80 40 4	10.0	.70	15.00	>2.00	7,000	N	N	N	50	50
8HA011M5	35 20 26	80 42 10	10.0	5.00	10.00	2.00	5,000	N	N	N	100	<50
8HA012M5	35 20 12	80 42 39	10.0	5.00	15.00	.70	3,000	N	N	N	70	<50
8HA013M5	35 21 44	80 42 58	15.0	5.00	15.00	1.00	3,000	N	N	N	50	50
8HA014M5	35 21 2	80 44 31	10.0	.70	10.00	>2.00	5,000	N	N	N	20	<50
8HA015M5	35 21 44	80 42 59	20.0	1.50	20.00	>2.00	5,000	N	N	N	70	50
8HA016M5	35 20 2	80 43 13	20.0	1.50	20.00	1.00	3,000	N	N	N	70	70
8HA017M5	35 19 15	80 43 28	15.0	2.00	15.00	1.50	3,000	N	N	N	100	<50
8HA018M5	35 17 17	80 43 21	15.0	1.00	15.00	2.00	7,000	N	N	N	200	50
8HA019M5	35 17 7	80 42 2	15.0	.50	15.00	>2.00	10,000	N	N	N	20	<50
8HA020M5	35 15 3	80 41 23	15.0	2.00	15.00	2.00	5,000	N	N	N	500	<50
8HA021M5	35 18 8	80 38 7	20.0	7.00	15.00	>2.00	5,000	N	N	N	30	70
8HA022M5	35 18 38	80 38 51	10.0	5.00	10.00	2.00	5,000	N	N	N	20	50
8HA023M5	35 18 32	80 40 26	15.0	3.00	20.00	2.00	5,000	N	N	N	50	50
8HA024M5	35 19 36	80 41 59	15.0	5.00	15.00	1.50	3,000	N	N	N	30	<50
8HA025M5	35 18 17	80 42 27	15.0	1.00	10.00	>2.00	10,000	N	N	N	30	<50
8HA026M5	35 19 46	80 40 52	15.0	5.00	15.00	1.00	5,000	N	N	N	30	<50
8HA027M5	35 21 53	80 38 9	15.0	10.00	10.00	>2.00	5,000	N	N	N	20	200
8KA002M5	35 26 11	80 40 25	50.0	.50	.10	>2.00	>10,000	N	N	N	<20	N
8KA003M5	35 26 11	80 40 29	30.0	2.00	5.00	>2.00	>10,000	N	N	N	30	70
8KA004M5	35 27 3	80 42 9	15.0	1.50	3.00	>2.00	10,000	N	N	N	20	500
8KA005M5	35 27 1	80 42 7	15.0	2.00	10.00	>2.00	10,000	N	N	N	100	200
8KA006M5	35 28 33	80 42 4	30.0	1.50	5.00	>2.00	10,000	N	N	N	20	700
8KA007M5	35 28 31	80 41 58	30.0	2.00	5.00	>2.00	10,000	N	N	N	20	70

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B3--Continued						
8CN020M5	5	N	N	70	150	20	<50	N	150	30	30
8CN021M5	7	N	N	70	150	20	50	N	50	50	50
8CN022M5	7	N	N	150	3,000	100	50	N	500	50	30
8CN023M5	N	N	N	100	1,000	50	<50	N	100	50	30
8CN024M5	<2	N	N	150	1,500	50	N	N	<50	70	30
8CN025M5	2	N	N	100	500	50	70	N	500	30	70
8CN026M5	7	N	N	50	1,000	10	N	N	<50	50	20
8CN029M5	N	N	N	100	3,000	100	50	N	2,000	50	30
8CN030M5	5	N	N	50	500	70	N	N	>5,000	20	150
8CN031M5	7	N	N	100	100	50	100	N	200	50	200
8CN032M5	2	N	N	200	1,000	100	50	N	70	70	50
8HA001M5	N	N	N	200	700	50	150	N	N	50	30
8HA001M5	N	N	N	300	3,000	70	500	N	<50	100	70
8HA002M5	N	N	N	300	300	70	700	N	N	30	200
8HA003M5	N	N	N	70	1,500	50	500	N	N	50	30
8HA004M5	N	N	N	300	1,000	100	1,000	N	N	70	30
8HA005M5	N	N	N	500	3,000	150	2,000	N	N	100	50
8HA006M5	N	N	N	300	1,000	150	50	N	N	100	50
8HA007M5	N	N	N	70	2,000	70	>2,000	N	70	50	200
8HA008M5	N	N	N	70	700	30	1,000	N	50	20	70
8HA009M5	N	N	N	50	200	30	100	N	<50	20	50
8HA010M5	N	N	N	70	300	50	500	N	<50	<10	50
8HA011M5	N	N	N	50	300	20	2,000	N	<50	150	30
8HA012M5	N	N	N	50	300	30	50	N	N	100	30
8HA013M5	N	N	N	150	500	70	70	N	N	150	30
8HA014M5	N	N	N	70	3,000	70	200	N	50	30	50
8HA015M5	N	N	N	150	1,500	100	50	N	<50	50	70
8HA016M5	N	N	N	200	1,000	100	100	N	N	70	70
8HA017M5	N	N	N	50	300	30	100	N	N	50	50
8HA018M5	N	N	N	30	700	30	2,000	N	50	N	100
8HA019M5	N	N	N	20	300	20	300	N	50	N	70
8HA020M5	N	N	N	70	300	30	500	N	50	20	50
8HA021M5	N	N	N	100	700	30	200	N	<50	70	50
8HA022M5	N	N	N	100	1,000	50	200	N	N	70	20
8HA023M5	N	N	N	100	500	70	70	N	N	50	70
8HA024M5	N	N	N	100	500	30	<50	N	N	100	20
8HA025M5	N	N	N	70	3,000	50	150	N	150	20	50
8HA026M5	N	N	N	70	300	30	700	N	N	100	30
8HA027M5	N	N	N	100	200	20	200	N	50	150	20
8KA002M5	N	N	N	50	100	20	N	N	100	20	N
8KA003M5	N	N	N	50	200	30	70	N	50	20	20
8KA004M5	N	N	N	30	300	30	N	N	50	20	20
8KA005M5	N	N	N	30	100	20	N	N	50	15	20
8KA006M5	N	N	N	50	700	20	100	N	<50	20	30
8KA007M5	N	N	N	100	500	50	N	N	50	20	20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B3--Continued					
8CN020M5	N	50	N	1,500	500	N	50	N	700	N
8CN021M5	N	50	N	2,000	500	N	30	N	300	N
8CN022M5	N	30	N	1,000	500	N	30	N	700	N
8CN023M5	N	50	N	300	300	N	70	N	700	N
8CN024M5	N	70	N	500	500	N	50	N	500	N
8CN025M5	N	50	50	1,000	300	N	200	N	700	N
8CN026M5	N	20	N	700	500	N	20	N	700	300
8CN029M5	N	50	N	500	300	N	100	<500	700	N
8CN030M5	N	100	70	300	500	N	1,000	<500	1,000	N
8CN031M5	N	30	N	500	500	N	100	N	1,000	N
8CN032M5	N	20	N	1,000	500	N	50	N	500	N
8HA001M5	N	70	N	1,500	700	N	70	N	2,000	N
8HA001M5	N	100	N	700	500	N	500	N	1,000	N
8HA002M5	N	100	50	2,000	700	N	200	N	2,000	<200
8HA003M5	N	50	N	2,000	700	N	50	N	1,500	N
8HA004M5	N	70	N	2,000	1,000	N	100	N	2,000	<200
8HA005M5	N	100	N	2,000	1,000	N	200	N	1,500	200
8HA006M5	N	70	N	2,000	1,000	N	50	N	1,500	N
8HA007M5	N	70	N	1,500	500	N	3,000	N	>2,000	1,500
8HA008M5	N	100	N	3,000	1,000	N	200	N	>2,000	N
8HA009M5	N	100	N	3,000	1,000	N	100	N	1,500	N
8HA010M5	N	50	N	2,000	500	N	50	N	200	N
8HA011M5	N	70	N	500	500	N	200	N	>2,000	<200
8HA012M5	N	70	N	1,000	700	N	50	N	1,000	<200
8HA013M5	N	70	N	1,500	700	N	50	N	300	N
8HA014M5	N	20	N	2,000	500	N	50	N	2,000	N
8HA015M5	N	50	N	2,000	700	N	30	N	1,000	N
8HA016M5	N	70	N	1,500	700	N	70	N	1,000	N
8HA017M5	N	70	N	2,000	700	N	70	N	2,000	N
8HA018M5	N	70	N	2,000	700	N	200	N	1,500	300
8HA019M5	N	50	N	2,000	500	N	100	N	1,500	N
8HA020M5	N	100	N	2,000	700	N	150	N	1,500	<200
8HA021M5	N	70	N	1,500	700	N	70	N	300	<200
8HA022M5	N	70	N	1,000	500	N	70	<500	1,500	N
8HA023M5	N	70	N	2,000	700	N	70	N	300	N
8HA024M5	N	100	N	1,500	700	N	50	500	200	N
8HA025M5	N	70	N	1,500	500	N	150	<500	1,500	N
8HA026M5	N	100	N	1,000	700	N	150	N	300	N
8HA027M5	N	100	N	2,000	500	N	150	N	2,000	N
8KA002M5	N	20	N	N	500	N	30	500	1,500	N
8KA003M5	N	70	N	200	700	N	100	N	>2,000	N
8KA004M5	N	50	N	200	500	N	70	N	>2,000	N
8KA005M5	N	100	N	300	700	N	70	N	>2,000	N
8KA006M5	N	100	N	300	1,000	N	500	N	>2,000	N
8KA007M5	N	70	N	200	1,000	N	150	N	>2,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B3--Continued							
8KA008M5	35 27 43	80 40 41	50.0	1.50	2.00	>2.00	>10,000	N	N	N	20	70
8KA009M5	35 28 28	80 39 39	50.0	1.50	3.00	>2.00	>10,000	N	N	N	20	70
8KA010M5	35 28 34	80 39 36	30.0	1.00	1.50	>2.00	>10,000	N	N	N	30	300
8KA011M5	35 27 14	80 38 25	30.0	1.50	1.50	>2.00	>10,000	N	N	N	<20	100
8KA013M5	35 25 9	80 40 17	50.0	.50	.10	>2.00	>10,000	N	N	N	<20	N
8KA014M5	35 23 0	80 42 23	50.0	.70	<.10	>2.00	>10,000	N	N	N	<20	50
8KA015M5	35 23 2	80 42 59	50.0	.50	.15	>2.00	>10,000	N	N	N	<20	N
8KA016M5	35 22 46	80 43 41	50.0	1.00	.15	>2.00	>10,000	N	N	N	<20	70
8KA017M5	35 26 15	80 42 35	50.0	2.00	10.00	>2.00	>10,000	N	N	N	<20	50
8KA018M5	35 25 40	80 44 26	20.0	.20	.70	>2.00	10,000	N	N	N	20	50
8KA019M5	35 26 33	80 44 47	30.0	1.50	7.00	>2.00	10,000	N	N	N	20	50
8KA020M5	35 26 45	80 38 1	20.0	5.00	7.00	>2.00	10,000	N	N	N	100	70
8KA021M5	35 28 2	80 43 49	50.0	.50	<.10	>2.00	>10,000	N	N	N	<20	<50
8KA022M5	35 28 46	80 43 46	50.0	.70	.10	>2.00	>10,000	N	N	N	<20	70
8KA023M5	35 29 24	80 42 55	50.0	.70	.20	>2.00	>10,000	N	N	N	<20	70
8KA024M5	35 29 30	80 44 43	50.0	.70	.50	>2.00	>10,000	N	N	N	<20	50
8MP017M5	35 22 24	80 30 11	30.0	.10	.10	>2.00	>10,000	N	N	N	N	N
8MP017M5	35 22 24	80 30 11	30.0	.20	.10	>2.00	>10,000	N	N	N	<20	50
					B4							
8CU001M5	35 24 9	80 52 8	10.0	3.00	5.00	.70	2,000	N	N	N	150	<50
8CU002M5	35 24 5	80 52 6	10.0	2.00	5.00	1.00	2,000	N	N	N	200	<50
8CU003M5	35 24 26	80 52 26	15.0	2.00	7.00	1.00	2,000	N	N	N	1,000	<50
8CU004M5	35 28 37	80 52 23	10.0	.20	7.00	.20	2,000	N	N	N	200	<50
8CU005M5	35 27 37	80 51 44	10.0	.70	7.00	.50	2,000	N	N	N	50	<50
8CU006M5	35 25 29	80 45 57	15.0	1.50	7.00	.50	2,000	N	N	N	70	<50
8CU007M5	35 25 51	80 46 48	10.0	1.50	7.00	.50	1,000	N	N	N	30	<50
8CU008M5	35 25 17	80 47 54	10.0	2.00	7.00	.50	1,000	N	N	N	70	<50
8CU009M5	35 24 24	80 48 11	10.0	3.00	5.00	.50	1,500	N	N	N	50	<50
8CU010M5	35 24 22	80 48 12	15.0	1.50	5.00	1.00	2,000	N	N	N	70	<50
8CU011M5	35 24 14	80 47 7	10.0	1.50	5.00	1.00	1,500	N	N	N	20	<50
8CU012M5	35 23 10	80 50 43	15.0	2.00	3.00	2.00	3,000	N	N	N	100	50
8CU013M5	35 24 37	80 45 17	15.0	2.00	5.00	1.00	2,000	N	N	N	20	50
8CU014M5	35 26 48	80 48 35	10.0	1.50	5.00	.20	2,000	N	N	N	20	<50
8CU015M5	35 26 52	80 48 34	7.0	1.00	7.00	.20	2,000	N	N	N	30	<50
8CU016M5	35 25 43	80 48 51	10.0	2.00	10.00	.30	2,000	N	N	N	70	<50
8CU017M5	35 25 3	80 48 44	10.0	2.00	7.00	1.00	2,000	N	N	N	150	<50
8CU018M5	35 25 2	80 51 20	10.0	2.00	5.00	1.00	2,000	N	N	N	700	<50
8CU019M5	35 25 54	80 51 43	10.0	.70	10.00	.50	2,000	N	N	N	70	<50
8CU020M5	35 27 10	80 51 59	10.0	1.00	7.00	.50	2,000	N	N	N	30	<50
8CU021M5	35 28 22	80 49 18	10.0	2.00	7.00	.30	2,000	N	N	N	50	50
8CU022M5	35 28 30	80 47 31	10.0	2.00	7.00	.50	2,000	N	N	N	<20	<50
8CU023M5	35 27 38	80 45 54	15.0	3.00	5.00	1.00	3,000	N	N	N	20	<50
8CU024M5	35 28 34	80 49 0	10.0	2.00	5.00	.20	3,000	N	N	N	50	<50
8DT001M5	35 16 34	80 52 0	30.0	.20	.50	>2.00	>10,000	N	N	N	<20	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B3--Continued						
8KA008M5	N	N	N	50	500	30	N	N	50	15	20
8KA009M5	N	N	N	100	100	500	100	N	50	15	30
8KA010M5	N	N	N	30	300	30	100	N	<50	50	70
8KA011M5	N	N	N	70	5,000	20	N	N	50	50	30
8KA013M5	N	N	N	100	70	10	N	N	100	20	N
8KA014M5	N	N	N	50	70	<10	N	N	70	10	N
8KA015M5	N	N	N	100	50	20	N	N	100	15	N
8KA016M5	N	N	N	100	3,000	70	N	N	50	10	<20
8KA017M5	N	N	N	70	700	20	N	N	50	20	20
8KA018M5	N	N	N	30	50	15	N	N	50	<10	<20
8KA019M5	N	N	N	50	500	15	N	N	N	15	30
8KA020M5	N	N	N	70	500	20	N	N	50	20	<20
8KA021M5	N	N	N	200	200	15	N	N	70	30	20
8KA022M5	N	N	N	200	300	30	N	N	50	50	30
8KA023M5	N	N	N	100	150	15	N	N	<50	20	<20
8KA024M5	N	N	N	100	200	50	150	N	70	20	20
8MP017M5	N	N	N	70	500	15	N	N	70	<10	30
8MP017M5	N	N	N	30	300	30	N	N	100	20	30
					B4--Continued						
8CU001M5	N	N	N	70	150	30	200	N	N	50	<20
8CU002M5	N	N	N	50	70	20	150	N	N	20	<20
8CU003M5	N	N	N	100	100	50	70	N	N	20	20
8CU004M5	N	N	N	N	50	<10	<50	N	N	N	20
8CU005M5	N	N	N	10	30	10	<50	N	N	N	20
8CU006M5	N	N	N	50	50	15	<50	N	N	10	<20
8CU007M5	N	N	N	100	200	20	<50	N	N	10	<20
8CU008M5	N	N	N	50	50	15	<50	N	N	10	<20
8CU009M5	N	N	N	70	100	20	50	N	N	30	<20
8CU010M5	N	N	N	50	100	15	<50	N	N	20	<20
8CU011M5	N	N	N	50	200	20	500	N	N	20	20
8CU012M5	N	N	N	70	150	30	300	N	<50	50	30
8CU013M5	N	N	N	100	300	30	200	N	50	50	20
8CU014M5	N	N	N	30	30	15	<50	N	N	10	<20
8CU015M5	N	N	N	20	30	10	<50	N	N	10	<20
8CU016M5	N	N	N	20	30	15	<50	N	N	15	<20
8CU017M5	N	N	N	50	50	20	<50	N	N	15	<20
8CU018M5	N	N	N	50	50	20	<50	N	N	10	20
8CU019M5	N	N	N	30	30	15	<50	N	N	10	20
8CU020M5	N	N	N	20	30	10	50	N	N	<10	20
8CU021M5	N	N	N	50	50	15	<50	N	N	10	20
8CU022M5	N	N	N	50	100	15	50	N	N	20	20
8CU023M5	<2	N	N	100	200	20	50	N	50	50	30
8CU024M5	N	N	N	20	50	10	50	N	N	10	20
8DT001M5	N	N	N	100	5,000	70	70	N	100	20	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B3--Continued					
8KA008M5	N	50	N	<200	1,000	N	100	N	>2,000	N
8KA009M5	N	50	N	<200	1,000	N	100	N	>2,000	N
8KA010M5	N	100	N	200	1,000	N	500	N	>2,000	N
8KA011M5	N	70	N	N	700	N	200	N	>2,000	N
8KA013M5	N	20	N	N	700	N	30	N	300	N
8KA014M5	N	100	N	N	700	N	30	N	700	N
8KA015M5	N	30	N	N	700	N	30	N	500	N
8KA016M5	N	50	N	<200	700	N	150	N	>2,000	N
8KA017M5	N	150	N	300	1,000	N	200	N	>2,000	N
8KA018M5	N	20	N	N	700	N	20	N	>2,000	N
8KA019M5	N	100	N	300	700	N	200	N	>2,000	N
8KA020M5	N	70	N	200	500	N	70	N	>2,000	N
8KA021M5	N	70	N	N	1,000	N	50	N	1,000	N
8KA022M5	N	100	N	N	700	N	50	N	100	N
8KA023M5	N	100	N	N	1,000	N	50	N	>2,000	N
8KA024M5	N	50	N	N	700	N	70	N	2,000	N
8MP017M5	N	50	N	N	300	N	N	N	500	N
8MP017M5	N	30	N	N	500	N	50	N	1,000	N
					B4--Continued					
8CU001M5	N	50	N	700	300	N	50	N	1,500	N
8CU002M5	N	70	N	700	500	N	70	N	2,000	N
8CU003M5	N	70	N	700	500	N	70	N	>2,000	N
8CU004M5	N	100	N	700	500	N	150	N	2,000	N
8CU005M5	N	100	N	500	500	N	100	N	300	N
8CU006M5	N	70	N	700	500	N	70	N	150	N
8CU007M5	N	50	N	700	500	N	70	N	200	N
8CU008M5	N	70	N	700	500	N	70	N	150	N
8CU009M5	N	70	N	700	500	N	30	N	200	N
8CU010M5	N	70	N	1,000	300	N	50	N	1,500	N
8CU011M5	N	50	N	1,000	300	N	50	N	1,000	N
8CU012M5	N	50	N	500	300	N	200	N	1,000	N
8CU013M5	N	30	N	700	300	N	50	N	>2,000	N
8CU014M5	N	100	N	500	500	N	70	N	300	N
8CU015M5	N	100	N	700	500	N	100	N	150	N
8CU016M5	N	100	N	700	500	N	70	N	150	N
8CU017M5	N	70	N	500	500	N	50	N	1,000	N
8CU018M5	N	70	N	700	500	N	50	N	1,500	N
8CU019M5	N	100	N	700	500	N	70	N	700	N
8CU020M5	N	100	N	700	500	N	70	N	200	N
8CU021M5	N	100	N	700	500	N	70	N	200	N
8CU022M5	N	100	N	500	300	N	70	N	700	N
8CU023M5	N	100	N	500	300	N	150	N	1,000	N
8CU024M5	N	100	N	500	500	N	70	N	150	N
8DT001M5	N	20	N	N	500	N	30	N	2,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B4--Continued							
8DT002M5	35 17 4	80 51 5	15.0	.15	2.00	>2.00	>10,000	N	N	N	30	70
8DT003M5	35 17 25	80 51 58	20.0	.70	3.00	>2.00	>10,000	N	N	N	<20	200
8DT004M5	35 19 10	80 51 52	20.0	.50	3.00	>2.00	>10,000	N	N	N	20	50
8DT005M5	35 21 56	80 52 28	30.0	.70	1.00	>2.00	>10,000	N	N	N	<20	50
8DT006M5	35 19 5	80 51 8	30.0	.10	.20	>2.00	>10,000	N	N	N	<20	<50
8DT007M5	35 20 36	80 51 28	30.0	.15	.70	>2.00	>10,000	N	N	N	<20	50
8DT008M5	35 20 54	80 51 47	20.0	.30	2.00	>2.00	>10,000	N	N	N	20	70
8DT009M5	35 21 58	80 51 5	20.0	.30	1.00	>2.00	>10,000	N	N	N	<20	50
8DT010M5	35 21 24	80 50 25	30.0	.20	1.50	>2.00	>10,000	N	N	N	<20	70
8DT011M5	35 20 18	80 50 28	50.0	.15	.10	>2.00	>10,000	N	N	N	<20	50
8DT012M5	35 20 4	80 50 39	30.0	.15	.70	>2.00	>10,000	N	N	N	<20	<50
8DT013M5	35 17 40	80 49 28	20.0	.20	5.00	>2.00	>10,000	N	N	N	20	50
8DT014M5	35 17 6	80 48 43	20.0	.10	2.00	>2.00	>10,000	N	N	N	<20	<50
8DT015M5	35 16 32	80 49 36	30.0	.20	1.00	>2.00	>10,000	N	N	N	<20	<50
8DT017M5	35 21 50	80 47 31	30.0	.20	.10	>2.00	>10,000	N	N	N	<20	50
8DT018M5	35 20 53	80 47 52	30.0	.20	.20	>2.00	>10,000	N	N	N	<20	50
8DT019M5	35 20 48	80 47 52	30.0	.15	.15	>2.00	>10,000	N	N	N	<20	50
8DT020M5	35 20 35	80 47 3	30.0	.10	<.10	>2.00	>10,000	N	N	N	<20	50
8DT021M5	35 19 42	80 48 7	30.0	.10	.10	>2.00	>10,000	N	N	N	<20	50
8DT022M5	35 19 22	80 47 52	20.0	.20	1.50	>2.00	>10,000	N	N	N	20	50
8DT023M5	35 19 21	80 48 46	30.0	.10	<.10	>2.00	>10,000	N	N	N	<20	<50
8DT024M5	35 18 27	80 46 38	20.0	.15	2.00	>2.00	>10,000	N	N	N	20	50
8DT025M5	35 18 26	80 46 37	30.0	.20	1.50	>2.00	>10,000	N	N	N	20	50
8DT026M5	35 21 34	80 45 1	30.0	.30	.50	>2.00	>10,000	N	N	N	<20	50
8DT027M5	35 21 14	80 45 30	30.0	.10	.10	>2.00	>10,000	N	N	N	<20	<50
8DT028M5	35 21 12	80 45 31	50.0	.15	<.10	>2.00	>10,000	N	N	N	<20	<50
8DT029M5	35 19 38	80 46 34	30.0	.20	.15	>2.00	>10,000	N	N	N	<20	50
8DT030M5	35 19 36	80 46 35	30.0	.30	1.00	>2.00	>10,000	N	N	N	<20	50
8DT031M5	35 19 9	80 47 29	30.0	.70	3.00	>2.00	>10,000	N	N	N	20	50
8DT032M5	35 17 4	80 46 41	50.0	.10	.30	>2.00	>10,000	N	N	N	<20	50
8DT033M5	35 18 46	80 45 48	20.0	.30	2.00	>2.00	>10,000	N	N	N	20	50
8DT034M5	35 18 39	80 45 40	20.0	1.00	2.00	>2.00	>10,000	N	N	N	70	50
8LS001M5	35 23 18	80 55 9	30.0	.50	.50	>2.00	1,000	N	N	N	<20	70
8LS002M5	35 23 4	80 54 28	30.0	.70	.50	>2.00	1,000	N	N	N	<20	70
8LS003M5	35 24 16	80 52 52	20.0	.70	3.00	>2.00	7,000	N	N	N	100	<50
8LS005M5	35 24 25	80 53 47	20.0	1.00	2.00	>2.00	7,000	N	N	N	200	70
8LS006M5	35 24 7	80 55 4	30.0	.50	.30	>2.00	10,000	N	N	N	<20	100
8LS007M5	35 23 38	80 55 46	20.0	1.50	1.50	>2.00	7,000	N	N	N	<20	N
8LS008M5	35 24 57	80 56 3	20.0	.70	.30	>2.00	7,000	N	N	N	<20	N
8LS009M5	35 24 56	80 56 0	30.0	1.50	1.00	>2.00	7,000	N	N	N	<20	N
8LS010M5	35 26 35	80 52 39	10.0	.50	7.00	1.00	3,000	N	N	N	30	N
8LS011M5	35 26 35	80 52 31	15.0	1.00	5.00	1.50	5,000	N	N	N	20	N
8LS013M5	35 26 13	80 58 6	30.0	.30	.50	>2.00	>10,000	N	N	N	<20	<50
8LS014M5	35 25 30	80 57 58	30.0	.70	.50	>2.00	>10,000	N	N	N	20	N
8LS015M5	35 25 13	80 59 47	15.0	3.00	3.00	.70	2,000	N	N	N	100	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B4--Continued						
8DT002M5	N	N	N	50	500	50	300	N	100	20	50
8DT003M5	N	N	N	100	3,000	70	N	N	70	20	<20
8DT004M5	N	N	N	70	1,000	70	N	N	<50	10	30
8DT005M5	N	N	N	100	200	30	500	N	<50	10	20
8DT006M5	N	N	N	100	500	50	N	N	70	10	<20
8DT007M5	N	N	N	200	2,000	50	N	N	50	20	20
8DT008M5	N	N	N	30	700	50	200	N	<50	10	30
8DT009M5	N	N	N	50	70	50	N	N	<50	10	50
8DT010M5	N	N	N	200	300	70	N	N	50	50	30
8DT011M5	N	N	N	150	500	70	N	N	100	20	30
8DT012M5	N	N	N	150	700	50	N	N	70	20	20
8DT013M5	N	N	N	30	200	50	200	N	70	10	50
8DT014M5	N	N	N	150	3,000	50	50	N	100	15	30
8DT015M5	N	N	N	150	5,000	50	150	N	70	10	30
8DT017M5	N	N	N	150	2,000	70	N	N	50	20	30
8DT018M5	N	N	N	300	300	50	N	N	70	10	20
8DT019M5	N	N	N	100	500	70	N	N	70	20	20
8DT020M5	N	N	N	150	200	30	N	N	50	10	<20
8DT021M5	N	N	N	100	200	50	N	N	70	<10	<20
8DT022M5	N	N	N	50	700	50	500	N	100	10	30
8DT023M5	N	N	N	100	700	50	N	N	50	<10	<20
8DT024M5	N	N	N	150	1,000	50	150	N	50	<10	<20
8DT025M5	N	N	N	100	10,000	30	70	N	70	20	20
8DT026M5	N	N	N	50	10,000	30	N	N	50	20	50
8DT027M5	N	N	N	100	200	20	N	N	50	<10	30
8DT028M5	N	N	N	100	1,000	20	N	N	70	10	30
8DT029M5	N	N	N	100	200	70	N	N	50	10	20
8DT030M5	N	N	N	100	700	100	200	N	70	10	50
8DT031M5	N	N	N	70	1,500	70	1,000	N	50	10	20
8DT032M5	N	N	N	150	2,000	100	N	N	50	10	<20
8DT033M5	N	N	N	100	3,000	50	500	N	50	20	20
8DT034M5	N	N	N	150	5,000	70	300	N	50	20	50
8LS001M5	N	N	N	100	30	30	N	N	70	15	<20
8LS002M5	N	N	N	100	50	30	N	N	50	20	30
8LS003M5	N	N	N	50	50	20	N	N	70	10	30
8LS005M5	N	N	N	70	30	30	N	N	100	15	20
8LS006M5	N	N	N	100	30	30	N	N	N	15	20
8LS007M5	N	N	N	100	50	50	N	N	50	15	<20
8LS008M5	N	N	N	100	50	30	N	N	100	15	30
8LS009M5	N	N	N	100	100	30	N	N	100	15	30
8LS010M5	N	N	N	20	30	10	N	N	N	N	30
8LS011M5	N	N	N	100	70	30	N	N	<50	10	30
8LS013M5	N	N	N	100	500	100	N	N	150	20	50
8LS014M5	N	N	N	100	100	70	N	N	100	15	20
8LS015M5	N	N	N	150	50	50	70	N	N	15	<20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B4--Continued					
8DT002M5	N	30	N	200	300	N	70	N	>2,000	N
8DT003M5	N	50	N	200	500	N	70	N	>2,000	N
8DT004M5	N	50	N	300	300	N	100	N	>2,000	N
8DT005M5	N	50	N	N	700	N	70	N	>2,000	N
8DT006M5	N	50	N	N	500	N	50	N	>2,000	N
8DT007M5	N	50	N	N	500	N	70	N	>2,000	N
8DT008M5	N	50	N	200	500	N	100	N	>2,000	N
8DT009M5	N	30	N	<200	500	N	70	N	>2,000	N
8DT010M5	N	30	N	<200	500	N	50	N	>2,000	N
8DT011M5	N	50	N	N	500	N	50	N	2,000	N
8DT012M5	N	50	N	<200	500	N	70	N	>2,000	N
8DT013M5	N	50	N	500	500	N	100	N	>2,000	N
8DT014M5	N	20	N	200	500	N	50	N	>2,000	N
8DT015M5	N	30	N	<200	500	N	70	N	>2,000	N
8DT017M5	N	50	N	N	500	N	50	N	>2,000	N
8DT018M5	N	50	N	N	500	N	50	N	2,000	N
8DT019M5	N	50	N	N	300	N	100	N	>2,000	N
8DT020M5	N	30	N	N	500	N	20	N	1,000	N
8DT021M5	N	50	N	N	500	N	200	N	>2,000	N
8DT022M5	N	50	N	200	300	N	150	N	>2,000	N
8DT023M5	N	50	N	N	500	N	50	N	2,000	N
8DT024M5	N	70	N	200	500	N	100	N	>2,000	N
8DT025M5	N	50	N	N	500	N	70	500	>2,000	N
8DT026M5	N	30	N	N	500	N	70	N	>2,000	N
8DT027M5	N	20	N	N	700	N	20	N	1,000	N
8DT028M5	N	20	N	N	1,000	N	30	500	700	N
8DT029M5	N	20	N	N	700	N	50	N	>2,000	N
8DT030M5	N	30	700	<200	700	N	70	N	>2,000	N
8DT031M5	N	50	N	200	700	N	200	N	>2,000	N
8DT032M5	N	30	N	N	1,000	N	50	N	>2,000	N
8DT033M5	N	50	N	500	1,000	N	200	N	>2,000	N
8DT034M5	N	30	N	200	1,000	N	100	N	>2,000	N
8LS001M5	N	3	N	N	300	N	20	<500	500	N
8LS002M5	N	50	N	N	300	N	<20	500	500	N
8LS003M5	N	70	N	500	500	N	70	N	2,000	N
8LS005M5	N	70	N	300	500	N	30	N	1,500	N
8LS006M5	N	30	N	N	300	N	20	<500	300	N
8LS007M5	N	70	N	300	300	N	20	<500	300	N
8LS008M5	N	20	N	N	500	N	200	<500	150	N
8LS009M5	N	50	N	200	500	N	20	500	200	N
8LS010M5	N	100	N	700	500	N	70	N	100	N
8LS011M5	N	100	N	500	500	N	70	N	500	N
8LS013M5	N	30	N	N	300	N	150	700	300	N
8LS014M5	N	30	N	N	300	N	30	700	300	N
8LS015M5	N	100	N	300	500	N	200	N	1,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B4--Continued							
8LS015M5	35 25 13	80 59 47	20.0	1.50	1.00	>2.00	>10,000	N	N	N	20	<50
8LS016M5	35 25 13	80 59 41	20.0	.50	.70	>2.00	>10,000	N	N	N	20	<50
8MI002M5	35 21 42	80 53 48	20.0	3.00	2.00	>2.00	7,000	N	N	N	70	50
8MI003M5	35 19 40	80 53 48	20.0	1.00	2.00	>2.00	10,000	N	N	N	20	50
8MI004M5	35 18 59	80 54 6	20.0	1.00	3.00	>2.00	10,000	N	N	N	20	50
8MI005M5	35 18 9	80 55 22	20.0	1.50	2.00	>2.00	10,000	N	N	N	<20	70
8MI006M5	35 17 42	80 54 35	20.0	.30	3.00	>2.00	7,000	N	N	N	50	100
8MI007M5	35 19 16	80 58 38	20.0	1.00	2.00	>2.00	10,000	N	N	N	<20	50
8MI008M5	35 17 45	80 56 21	20.0	1.00	2.00	>2.00	10,000	N	N	N	20	50
8MI009M5	35 15 34	80 56 22	20.0	.30	.70	>2.00	10,000	N	N	N	<20	70
8MI010M5	35 15 29	80 59 19	20.0	.70	1.50	>2.00	7,000	N	N	N	20	50
8MI011M5	35 17 59	80 57 20	20.0	.20	1.00	>2.00	10,000	N	N	N	20	50
8MI012M5	35 17 50	80 58 4	30.0	.50	1.00	>2.00	10,000	N	N	N	<20	50
8MI013M5	35 18 12	80 58 22	20.0	.50	3.00	2.00	7,000	N	N	N	<20	100
8MI014M5	35 19 0	80 56 34	15.0	.50	5.00	2.00	5,000	N	N	N	20	100
8MI015M5	35 15 56	80 56 40	20.0	1.50	1.50	>2.00	7,000	N	N	N	<20	100
8MI016M5	35 15 36	80 54 58	20.0	.20	.70	>2.00	10,000	N	N	N	<20	70
8MI017M5	35 15 39	80 54 59	20.0	.20	1.00	>2.00	10,000	N	N	N	<20	70
8MI018M5	35 16 2	80 55 47	20.0	.50	1.50	>2.00	10,000	N	N	N	<20	100
8MI019M5	35 16 17	80 52 36	20.0	.50	1.00	>2.00	10,000	N	N	N	20	50
8MI020M5	35 20 44	80 52 58	20.0	.70	.70	>2.00	7,000	N	N	N	<20	50
8MI021M5	35 20 56	80 54 35	20.0	1.50	1.00	>2.00	7,000	N	N	N	20	50
8MI022M5	35 20 51	80 52 58	20.0	3.00	2.00	>2.00	7,000	N	N	N	30	50
8MI023M5	35 22 20	80 55 12	30.0	.50	.20	>2.00	7,000	N	N	N	<20	50
					B5							
8GN001M5	35 20 25	81 14 50	20.0	.70	.10	>2.00	>10,000	N	N	N	70	<50
8GN002M5	35 20 15	81 13 39	20.0	1.00	.10	>2.00	5,000	N	N	N	70	N
8GN003M5	35 20 48	81 13 30	30.0	.70	.10	>2.00	10,000	30.0	N	N	200	<50
8GN004M5	35 21 38	81 13 53	20.0	.15	.10	>2.00	10,000	N	N	N	500	50
8GN005M5	35 20 55	81 10 49	30.0	.10	.30	>2.00	10,000	N	N	N	<20	<50
8GN006M5	35 21 58	81 7 55	30.0	.30	2.00	>2.00	>10,000	N	N	N	<20	50
8GN007M5	35 22 18	81 13 31	20.0	.70	.20	>2.00	>10,000	N	N	N	1,000	50
8GN008M5	35 21 40	81 13 22	30.0	.20	.10	>2.00	>10,000	N	N	N	200	50
8GN009M5	35 22 10	81 11 6	20.0	.20	5.00	>2.00	>10,000	N	N	N	<20	50
8GN010M5	35 20 24	81 9 37	30.0	.50	.30	>2.00	7,000	N	N	N	<20	50
8GN011M5	35 20 38	81 7 39	30.0	.20	1.00	>2.00	>10,000	N	N	N	<20	70
8GN012M5	35 20 37	81 7 38	30.0	1.50	3.00	>2.00	>10,000	N	N	N	<20	50
8GN013M5	35 18 53	81 14 1	20.0	1.50	.20	>2.00	5,000	N	N	N	20	N
8GN014M5	35 17 32	81 13 10	30.0	.50	1.00	>2.00	10,000	N	N	N	<20	50
8GN015M5	35 17 9	81 12 36	50.0	.10	.10	>2.00	>10,000	N	N	N	<20	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B4--Continued						
8LS015M5	N	N	N	150	70	100	N	N	70	15	20
8LS016M5	N	N	N	150	300	100	100	N	100	20	30
8MI002M5	N	N	N	200	200	70	50	N	<50	50	20
8MI003M5	N	N	N	150	1,000	70	50	N	100	30	20
8MI004M5	N	N	N	150	1,500	70	50	N	50	30	20
8MI005M5	N	N	N	100	1,500	100	<50	N	100	30	20
8MI006M5	3	N	N	200	3,000	150	<50	10	50	50	30
8MI007M5	N	N	N	100	5,000	50	100	N	100	30	20
8MI008M5	N	N	N	100	3,000	100	50	N	70	50	20
8MI009M5	N	N	N	100	5,000	50	N	N	100	30	20
8MI010M5	N	N	N	150	5,000	70	N	N	150	50	50
8MI011M5	N	N	N	100	2,000	50	N	N	100	30	20
8MI012M5	N	N	N	100	1,000	50	N	N	50	20	20
8MI013M5	N	N	N	150	2,000	50	100	N	100	30	20
8MI014M5	N	N	N	50	1,000	50	70	N	50	20	<20
8MI015M5	N	N	N	100	3,000	50	N	N	100	30	100
8MI016M5	N	N	N	100	5,000	30	N	N	150	30	100
8MI017M5	N	N	N	150	3,000	50	N	N	150	30	20
8MI018M5	N	N	N	150	5,000	50	N	N	100	50	20
8MI019M5	N	N	N	150	2,000	70	N	N	100	30	20
8MI020M5	N	N	N	100	2,000	50	N	10	100	20	20
8MI021M5	N	N	N	150	100	50	N	N	<50	30	<20
8MI022M5	N	N	N	100	150	50	N	N	100	50	<20
8MI023M5	N	N	N	100	100	50	N	N	N	20	<20
					B5--Continued						
8GN001M5	N	N	N	150	1,000	15	N	N	200	50	100
8GN002M5	N	N	N	150	500	20	100	N	200	100	20
8GN003M5	N	N	N	100	500	30	N	N	1,000	30	30
8GN004M5	N	N	N	100	700	20	N	N	300	30	50
8GN005M5	N	N	N	30	300	20	2,000	N	100	10	70
8GN006M5	N	N	N	50	200	30	500	N	100	10	30
8GN007M5	N	N	N	100	700	20	N	N	300	100	30
8GN008M5	N	N	N	100	300	30	N	N	500	30	70
8GN009M5	N	N	N	50	150	30	N	N	100	10	100
8GN010M5	N	N	N	30	200	<10	100	N	70	15	<20
8GN011M5	N	N	N	300	500	50	50	N	100	15	50
8GN012M5	N	N	N	150	200	100	N	N	50	15	20
8GN013M5	N	N	N	100	300	20	700	N	100	70	30
8GN014M5	N	N	N	30	200	30	50	N	100	<10	50
8GN015M5	N	N	N	50	200	30	700	N	100	<10	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B4--Continued					
8LS015M5	N	30	N	N	200	N	30	700	500	N
8LS016M5	N	30	N	<200	200	N	100	700	500	N
8MI002M5	N	70	N	500	300	N	50	<500	150	N
8MI003M5	N	30	N	300	300	N	50	500	200	N
8MI004M5	N	30	N	700	300	N	30	N	150	N
8MI005M5	N	50	N	500	200	N	50	500	300	N
8MI006M5	N	30	N	1,000	300	N	50	N	200	N
8MI007M5	N	50	N	500	200	N	70	700	1,000	N
8MI008M5	N	50	N	500	200	N	50	500	1,000	N
8MI009M5	N	30	N	<200	300	N	50	500	300	N
8MI010M5	N	70	N	200	500	N	70	700	500	N
8MI011M5	N	50	N	200	300	N	30	500	700	N
8MI012M5	N	30	N	<200	500	N	20	700	100	N
8MI013M5	N	70	N	500	500	N	50	N	1,000	N
8MI014M5	N	70	N	700	500	N	50	N	1,000	N
8MI015M5	N	70	N	200	300	N	100	<500	500	N
8MI016M5	N	50	N	<200	200	N	70	500	300	N
8MI017M5	N	50	N	200	200	N	50	500	500	N
8MI018M5	N	50	N	300	300	N	70	500	700	N
8MI019M5	N	50	N	200	200	N	70	<500	100	N
8MI020M5	N	30	N	<200	300	N	20	<500	300	N
8MI021M5	N	50	N	200	300	N	20	500	150	N
8MI022M5	N	70	N	200	300	N	30	N	70	N
8MI023M5	N	50	N	N	500	N	20	700	30	N
					B5--Continued					
8GN001M5	N	15	N	N	200	N	300	500	500	N
8GN002M5	N	20	N	N	300	N	50	N	500	N
8GN003M5	N	30	N	N	300	N	150	N	500	N
8GN004M5	N	30	N	N	300	N	500	N	500	N
8GN005M5	N	50	N	<200	500	N	150	N	>2,000	N
8GN006M5	N	100	N	<200	500	N	1,000	N	>2,000	N
8GN007M5	N	30	70	N	200	N	70	N	300	N
8GN008M5	N	30	N	N	200	N	1,500	N	500	N
8GN009M5	N	70	N	1,500	500	N	50	N	>2,000	N
8GN010M5	N	100	N	N	1,000	N	50	N	2,000	N
8GN011M5	N	70	N	<200	700	N	150	N	>2,000	N
8GN012M5	N	70	N	<200	1,000	N	200	N	200	N
8GN013M5	N	20	N	N	200	N	100	N	500	N
8GN014M5	N	50	N	<200	1,000	N	50	N	>2,000	N
8GN015M5	N	50	N	N	700	N	70	500	>2,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B5--Continued							
8GN016M5	35 15 30	81 14 8	30.0	2.00	5.00	>2.00	10,000	N	N	N	<20	70
8GN017M5	35 15 31	81 14 53	50.0	1.00	.30	>2.00	10,000	N	N	N	100	<50
8GN018M5	35 18 4	81 9 41	50.0	.15	.15	>2.00	>10,000	N	N	N	<20	50
8GN019M5	35 17 25	81 9 43	50.0	.10	.10	>2.00	>10,000	N	N	N	<20	50
8GN020M5	35 17 6	81 10 28	30.0	.20	.20	>2.00	>10,000	N	N	N	<20	50
8LE001M5	35 23 13	81 14 5	30.0	.15	<.10	>2.00	>10,000	N	N	N	500	<50
8LE002M5	35 24 50	81 10 43	30.0	1.00	7.00	>2.00	>10,000	N	N	N	500	70
8LE003M5	35 25 16	81 9 57	50.0	.50	.20	>2.00	>10,000	N	N	N	<20	<50
8LE004M5	35 23 58	81 11 55	50.0	.70	1.50	>2.00	>10,000	N	N	N	50	50
8LE005M5	35 24 12	81 8 53	30.0	.15	.10	>2.00	>10,000	N	N	N	<20	<50
8LE006M5	35 26 16	81 7 41	50.0	.10	.20	>2.00	>10,000	N	N	N	100	<50
8LE007M5	35 26 22	81 10 33	50.0	1.00	3.00	>2.00	>10,000	N	N	N	1,000	50
8LE008M5	35 27 15	81 11 24	50.0	.30	.30	>2.00	>10,000	N	N	N	100	50
8LE009M5	35 27 34	81 11 11	20.0	1.00	.15	>2.00	>10,000	1.5	N	N	300	50
8LE010M5	35 28 22	81 11 42	50.0	.50	<.10	>2.00	>10,000	N	N	N	100	50
8LE011M5	35 29 24	81 9 49	20.0	2.00	.10	>2.00	7,000	N	N	N	500	N
8LV001M5	35 24 35	81 4 25	50.0	.20	.50	>2.00	>10,000	N	N	N	<20	50
8LV002M5	35 23 31	81 4 55	50.0	.20	.30	>2.00	>10,000	N	N	N	<20	50
8LV003M5	35 23 28	81 4 59	50.0	1.00	2.00	>2.00	>10,000	N	N	N	20	50
8LV004M5	35 24 52	81 5 10	30.0	.70	2.00	>2.00	>10,000	N	N	N	20	50
8LV005M5	35 25 21	81 5 25	30.0	1.50	3.00	>2.00	>10,000	N	N	N	<20	<50
8LV008M5	35 23 10	81 3 28	50.0	.70	1.50	>2.00	>10,000	N	N	N	<20	100
8LV009M5	35 23 6	81 1 56	50.0	.15	.20	>2.00	>10,000	N	N	N	<20	50
8LV010M5	35 24 53	81 2 8	30.0	1.50	5.00	>2.00	>10,000	N	N	N	20	50
8LV011M5	35 27 6	81 0 29	50.0	.50	1.00	>2.00	>10,000	N	N	N	<20	70
8LV012M5	35 27 7	81 0 38	50.0	3.00	3.00	>2.00	>10,000	N	N	N	<20	100
8LV013M5	35 25 42	81 4 4	50.0	.10	1.00	>2.00	>10,000	N	N	N	<20	70
8LV014M5	35 27 55	81 3 16	50.0	.30	5.00	>2.00	>10,000	N	N	N	<20	50
8LV015M5	35 28 45	81 4 20	50.0	.50	5.00	>2.00	>10,000	N	N	N	<20	70
8MH001M5	35 16 53	81 6 9	20.0	.20	.70	>2.00	10,000	N	N	N	20	N
8MH001M5	35 16 53	81 6 9	30.0	.30	.70	>2.00	10,000	N	N	N	30	100
8MH002M5	35 16 54	81 6 14	20.0	.20	.50	>2.00	10,000	N	N	N	<20	<50
8MH003M5	35 17 27	81 6 20	20.0	.20	1.00	>2.00	10,000	N	N	N	20	70
8MH004M5	35 18 11	81 6 26	20.0	.10	<.10	>2.00	>10,000	N	N	N	<20	50
8MH005M5	35 15 29	81 5 8	20.0	.30	2.00	>2.00	10,000	N	N	N	30	70
8MH006M5	35 21 28	81 7 5	20.0	.20	.10	>2.00	>10,000	N	N	N	<20	<50
8MH007M5	35 19 14	81 1 54	20.0	1.00	1.00	>2.00	10,000	N	N	N	<20	50
8MH008M5	35 20 10	81 4 7	30.0	.50	.50	>2.00	10,000	N	N	N	<20	50
8MH009M5	35 17 15	81 2 26	20.0	1.00	1.00	>2.00	10,000	N	N	N	30	50
8MH009M5	35 17 15	81 2 26	20.0	.70	3.00	>2.00	10,000	N	N	N	20	100

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm a	Pb-ppm s
					B5--Continued						
8GN016M5	N	N	N	50	300	50	N	N	100	20	100
8GN017M5	N	N	N	50	300	15	N	N	50	30	<20
8GN018M5	N	N	N	50	200	30	N	N	70	<10	50
8GN019M5	N	N	N	50	200	30	500	N	100	<10	50
8GN020M5	N	N	N	50	200	30	1,000	N	70	<10	70
8LE001M5	2	N	N	100	300	30	N	N	150	20	70
8LE002M5	2	N	N	200	300	50	70	N	150	50	70
8LE003M5	N	N	N	70	200	30	N	N	150	15	30
8LE004M5	N	N	N	150	200	50	N	N	100	30	30
8LE005M5	N	N	N	100	200	30	N	N	200	20	50
8LE006M5	N	N	N	50	200	20	300	N	200	10	50
8LE007M5	3	N	N	200	300	50	100	N	200	50	50
8LE008M5	5	N	N	100	300	30	N	N	70	20	50
8LE009M5	20	N	N	100	300	50	N	N	150	50	50
8LE010M5	10	N	N	150	500	50	N	N	150	30	50
8LE011M5	30	N	N	50	300	<10	N	N	70	30	N
8LV001M5	N	N	N	50	150	30	N	N	70	10	30
8LV002M5	N	N	N	50	150	30	N	N	100	15	30
8LV003M5	N	N	N	50	100	30	N	N	50	10	30
8LV004M5	N	N	N	150	150	200	N	N	50	20	20
8LV005M5	N	N	N	100	150	70	N	N	200	15	30
8LV008M5	N	N	N	150	70	50	N	N	100	10	30
8LV009M5	N	N	N	100	150	70	200	N	300	10	50
8LV010M5	N	N	N	200	100	50	200	N	50	10	30
8LV011M5	N	N	N	200	200	50	N	N	50	20	<20
8LV012M5	3	N	N	150	200	50	300	N	70	30	50
8LV013M5	N	N	N	100	700	30	<50	N	200	10	50
8LV014M5	N	N	N	150	500	50	200	N	70	15	30
8LV015M5	N	N	N	100	200	30	200	N	70	15	30
8MH001M5	N	N	N	150	150	100	N	N	70	30	50
8MH001M5	N	N	N	200	300	150	N	N	70	30	70
8MH002M5	N	N	N	100	300	100	N	N	100	20	50
8MH003M5	N	N	N	150	500	100	50	10	100	30	70
8MH004M5	N	N	N	100	300	70	N	10	150	15	30
8MH005M5	N	N	N	200	700	100	N	N	70	30	50
8MH006M5	N	N	N	70	700	50	N	N	150	20	30
8MH007M5	N	N	N	150	150	50	N	N	100	50	20
8MH008M5	N	N	N	150	700	70	N	N	100	30	30
8MH009M5	5	N	N	100	300	50	N	N	100	20	20
8MH009M5	N	N	N	200	5,000	50	300	N	150	70	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B5--Continued					
8GN016M5	N	100	N	300	1,000	N	50	N	>2,000	N
8GN017M5	N	50	N	N	1,000	N	50	N	500	N
8GN018M5	N	70	N	N	700	N	50	<500	>2,000	N
8GN019M5	N	70	N	N	1,000	N	50	N	>2,000	N
8GN020M5	N	70	N	N	500	N	70	N	2,000	N
8LE001M5	N	50	50	N	300	N	100	1,000	200	N
8LE002M5	N	100	N	1,500	300	N	100	N	1,000	N
8LE003M5	N	50	N	N	200	N	100	N	1,000	N
8LE004M5	N	50	N	200	500	N	70	N	>2,000	N
8LE005M5	N	50	N	N	500	N	100	N	2,000	N
8LE006M5	N	70	30	N	700	N	200	N	700	N
8LE007M5	N	100	N	<200	500	N	1,000	N	500	N
8LE008M5	N	70	N	N	500	N	70	N	500	N
8LE009M5	N	20	N	N	200	N	30	1,000	300	N
8LE010M5	N	30	20	N	200	N	200	N	100	N
8LE011M5	N	10	N	N	300	N	30	2,000	300	N
8LV001M5	N	20	N	N	700	N	150	N	300	N
8LV002M5	N	20	N	N	700	N	500	N	700	N
8LV003M5	N	50	N	N	500	N	1,000	N	700	N
8LV004M5	N	30	N	N	500	N	200	N	200	N
8LV005M5	N	50	N	200	500	N	200	N	700	N
8LV008M5	N	30	N	N	300	N	30	N	500	N
8LV009M5	N	30	N	N	300	N	500	N	500	N
8LV010M5	N	50	N	300	500	N	100	N	1,000	N
8LV011M5	N	30	N	N	700	N	100	N	>2,000	N
8LV012M5	N	70	N	700	1,000	N	300	N	>2,000	N
8LV013M5	N	30	N	N	500	N	1,000	N	2,000	N
8LV014M5	N	50	N	300	700	N	300	N	1,500	N
8LV015M5	N	100	N	500	700	N	150	N	1,000	N
8MH001M5	N	20	N	300	200	N	30	500	100	N
8MH001M5	N	20	N	300	300	N	30	500	100	N
8MH002M5	N	20	N	<200	300	N	50	500	100	N
8MH003M5	N	30	50	300	300	N	100	1,000	200	N
8MH004M5	N	15	N	N	150	N	100	1,500	700	N
8MH005M5	N	30	N	500	200	N	20	500	100	N
8MH006M5	N	50	N	N	200	N	100	1,000	200	N
8MH007M5	N	30	N	200	300	N	50	500	1,500	N
8MH008M5	N	20	N	N	300	N	30	500	300	N
8MH009M5	N	30	N	<200	300	N	20	500	300	N
8MH009M5	N	50	N	700	300	N	150	500	1,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B5--Continued							
8MH010M5	35 15 35	81 3 59	20.0	2.00	2.00	>2.00	10,000	N	N	N	30	50
8MH011M5	35 18 57	81 3 23	20.0	1.00	2.00	>2.00	7,000	N	N	N	20	50
					B6							
8BC001M5	35 17 11	81 19 12	30.0	.30	.10	>2.00	>10,000	N	N	N	50	N
8BC002M5	35 17 8	81 19 10	20.0	.50	.50	>2.00	7,000	N	N	N	500	N
8BC003M5	35 17 32	81 20 24	20.0	.15	N	>2.00	10,000	N	N	N	50	N
8BC004M5	35 18 5	81 19 28	30.0	.50	.30	>2.00	>10,000	N	N	N	30	N
8BC005M5	35 18 16	81 19 32	20.0	.30	<.10	>2.00	7,000	N	N	N	<20	N
8BC006M5	35 19 51	81 19 33	20.0	.20	.10	>2.00	5,000	N	N	N	20	N
8BC007M5	35 18 54	81 19 10	30.0	.50	.20	>2.00	>10,000	N	N	N	100	N
8BC008M5	35 18 56	81 19 8	30.0	.30	.10	>2.00	10,000	N	N	N	100	N
8BC009M5	35 18 59	81 21 8	30.0	.30	.15	>2.00	7,000	N	N	N	30	N
8BC010M5	35 20 39	81 19 58	30.0	.20	.10	>2.00	7,000	N	N	N	50	N
8BC011M5	35 19 20	81 18 26	30.0	.20	.10	>2.00	10,000	N	N	N	300	N
8BC012M5	35 20 14	81 17 44	20.0	1.00	.50	>2.00	7,000	N	N	N	70	N
8BC013M5	35 20 19	81 16 54	30.0	.30	.50	>2.00	10,000	N	N	N	200	N
8BC014M5	35 20 19	81 16 42	30.0	.15	.10	>2.00	5,000	N	N	N	150	N
8BC015M5	35 22 19	81 20 0	30.0	.15	<.10	>2.00	10,000	N	N	N	<20	N
8BC016M5	35 22 21	81 20 2	30.0	.30	.15	>2.00	10,000	N	N	N	50	N
8BC017M5	35 21 51	81 19 0	30.0	.20	.10	>2.00	10,000	N	N	N	<20	N
8BC018M5	35 21 49	81 18 58	30.0	.15	<.10	>2.00	7,000	N	N	N	50	<50
8BC019M5	35 22 17	81 21 0	30.0	.20	<.10	>2.00	>10,000	N	N	N	<20	<50
8BC020M5	35 19 5	81 16 16	30.0	.05	<.10	>2.00	2,000	N	N	N	70	N
8BC021M5	35 20 44	81 22 0	30.0	.20	.10	>2.00	>10,000	N	N	N	N	N
8BC022M5	35 15 4	81 21 20	30.0	.15	N	>2.00	10,000	N	N	N	100	<50
8BC023M5	35 15 24	81 15 41	30.0	.70	.70	>2.00	7,000	N	N	N	50	N
8BC024M5	35 15 18	81 17 35	30.0	.15	.15	>2.00	5,000	N	N	N	50	N
8BC025M5	35 15 22	81 17 31	30.0	.20	.10	>2.00	5,000	N	N	N	150	N
8BC026M5	35 16 17	81 15 13	20.0	.30	.20	2.00	7,000	N	N	N	100	N
8LW001M5	35 22 50	81 16 12	30.0	1.50	1.00	>2.00	>10,000	N	N	N	1,000	N
8LW002M5	35 26 9	81 17 30	30.0	.20	N	>2.00	>10,000	N	N	N	N	N
8LW003M5	35 25 19	81 17 19	30.0	.30	.10	>2.00	>10,000	N	N	N	N	50
8LW004M5	35 22 53	81 19 39	50.0	.70	.10	>2.00	>10,000	N	N	N	20	<50
8LW005M5	35 23 9	81 19 29	30.0	.20	N	>2.00	>10,000	N	N	N	N	50
8LW006M5	35 23 30	81 19 23	30.0	.15	.10	>2.00	>10,000	N	N	N	N	<50
8LW007M5	35 23 40	81 19 19	50.0	.15	N	>2.00	>10,000	N	N	N	N	50
8LW008M5	35 23 38	81 19 2	30.0	.15	N	>2.00	>10,000	N	N	N	N	<50
8LW012M5	35 25 56	81 21 43	30.0	1.00	.10	>2.00	10,000	N	N	N	N	N
8LW013M5	35 28 1	81 21 16	50.0	3.00	.50	>2.00	10,000	N	N	N	N	N
8LW014M5	35 29 30	81 20 20	50.0	2.00	1.00	>2.00	>10,000	N	N	N	N	1,000
8LW015M5	35 28 19	81 19 32	50.0	.30	.50	>2.00	10,000	N	N	N	N	50
8LW016M5	35 24 20	81 21 0	30.0	.70	1.00	>2.00	>10,000	N	N	N	50	N
9CY001M5	35 22 52	81 25 5	20.0	1.50	.20	>2.00	5,000	N	N	N	<20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B5--Continued						
8MH010M5	N	N	N	150	100	50	N	N	100	30	30
8MH011M5	N	N	N	150	1,500	50	N	N	70	50	30
					B6--Continued						
8BC001M5	2	N	N	50	100	10	50	N	1,500	<10	30
8BC002M5	5	N	N	50	150	<10	<50	N	1,000	20	20
8BC003M5	N	N	N	20	70	<10	500	N	>5,000	15	70
8BC004M5	N	N	N	50	150	<10	50	N	>5,000	15	50
8BC005M5	N	N	N	70	150	<10	N	N	100	20	20
8BC006M5	N	N	N	50	150	<10	N	N	200	20	30
8BC007M5	N	N	N	70	150	10	<50	N	500	20	30
8BC008M5	N	N	N	70	100	10	N	N	1,500	15	20
8BC009M5	N	N	N	70	150	<10	N	N	300	20	30
8BC010M5	N	N	N	70	150	15	N	N	100	10	30
8BC011M5	N	N	N	100	200	<10	N	N	2,000	15	30
8BC012M5	N	N	N	100	150	<10	N	N	200	70	<20
8BC013M5	N	N	N	100	500	<10	N	N	50	20	<20
8BC014M5	N	N	N	70	700	10	N	N	100	20	50
8BC015M5	N	N	N	70	50	10	N	N	200	<10	30
8BC016M5	N	N	N	50	150	<10	<50	N	300	15	70
8BC017M5	N	N	N	70	150	10	N	N	500	10	50
8BC018M5	2	N	N	70	70	<10	N	N	1,000	10	<20
8BC019M5	N	N	N	50	100	10	200	N	500	<10	70
8BC020M5	N	N	N	100	200	N	N	N	150	20	20
8BC021M5	N	N	N	70	150	10	70	N	200	10	50
8BC022M5	N	N	N	30	70	15	50	N	>5,000	<10	30
8BC023M5	5	N	N	50	200	<10	N	N	<50	15	20
8BC024M5	2	N	N	700	500	15	50	N	700	50	30
8BC025M5	2	N	N	200	300	15	N	N	500	30	30
8BC026M5	3	N	N	50	100	N	N	N	<50	20	<20
8LW001M5	10	N	N	50	300	30	N	N	150	30	20
8LW002M5	N	N	N	50	50	<10	N	N	150	<10	100
8LW003M5	<2	N	N	50	150	<10	N	N	100	<10	30
8LW004M5	3	N	N	50	150	20	N	N	200	15	100
8LW005M5	2	N	N	50	100	20	2,000	N	150	10	300
8LW006M5	N	N	N	50	100	<10	150	N	1,000	<10	200
8LW007M5	2	N	N	50	200	10	700	N	500	<10	300
8LW008M5	2	N	N	50	70	<10	N	N	300	<10	50
8LW012M5	N	N	N	30	300	15	2,000	N	150	10	30
8LW013M5	N	N	N	50	500	10	>2,000	N	70	10	70
8LW014M5	N	N	N	50	200	20	1,500	N	100	10	30
8LW015M5	N	N	N	70	300	20	300	N	100	20	20
8LW016M5	3	N	N	50	500	50	1,000	N	700	20	100
9CY001M5	N	N	N	50	300	20	1,500	N	150	20	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B5--Continued					
8MH010M5	N	70	N	300	200	N	50	<500	1,500	N
8MH011M5	N	30	N	300	300	N	20	500	150	N
					B6--Continued					
8BC001M5	N	70	N	N	150	N	200	N	200	N
8BC002M5	N	50	150	N	300	N	100	2,000	200	N
8BC003M5	N	100	200	N	100	N	>5,000	N	700	N
8BC004M5	N	100	70	N	150	N	1,500	N	700	N
8BC005M5	N	70	50	N	70	N	100	N	500	N
8BC006M5	N	30	N	N	100	N	20	N	300	N
8BC007M5	N	100	20	N	100	N	150	N	500	N
8BC008M5	N	100	70	N	100	N	200	N	300	N
8BC009M5	N	100	50	N	150	N	300	N	300	N
8BC010M5	N	100	N	N	100	N	300	N	200	N
8BC011M5	N	100	100	N	100	N	100	N	300	N
8BC012M5	N	70	N	N	100	100	70	N	300	N
8BC013M5	N	100	N	N	200	N	100	N	300	N
8BC014M5	N	100	N	N	200	N	300	N	200	N
8BC015M5	N	70	N	N	100	N	70	N	200	N
8BC016M5	N	70	N	N	150	N	500	N	300	N
8BC017M5	N	100	30	N	150	N	30	N	150	N
8BC018M5	N	70	50	N	100	N	20	N	200	N
8BC019M5	N	100	N	N	150	N	2,000	1,000	200	N
8BC020M5	N	50	N	N	200	N	100	N	500	N
8BC021M5	N	70	N	N	150	N	200	N	200	N
8BC022M5	N	70	70	N	70	N	1,000	700	200	N
8BC023M5	N	70	N	N	1,000	N	100	1,500	500	N
8BC024M5	N	50	50	N	300	N	150	1,000	300	N
8BC025M5	N	50	70	N	150	N	150	2,000	300	N
8BC026M5	N	70	N	N	1,000	N	100	N	200	N
8LW001M5	N	30	30	N	200	N	700	500	300	N
8LW002M5	N	30	N	N	150	N	700	N	300	N
8LW003M5	N	10	N	N	150	N	50	N	100	N
8LW004M5	N	10	N	N	300	N	500	N	200	N
8LW005M5	N	10	N	N	200	N	3,000	N	150	N
8LW006M5	N	10	50	N	200	N	3,000	N	150	N
8LW007M5	N	<10	50	N	200	N	1,500	N	100	N
8LW008M5	N	<10	30	N	200	N	50	N	300	N
8LW012M5	N	<10	N	N	200	N	5,000	N	200	N
8LW013M5	N	100	N	N	200	100	2,000	N	200	700
8LW014M5	N	70	N	N	300	N	300	N	100	N
8LW015M5	N	50	N	N	500	N	50	N	500	N
8LW016M5	N	50	30	N	200	N	1,000	500	700	N
9CY001M5	N	100	N	N	200	N	700	500	100	200

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B6--Continued							
9CY002M5	35 23 24	81 23 25	15.0	.10	N	>2.00	5,000	N	N	N	<20	N
9CY003M5	35 24 33	81 27 33	20.0	2.00	.20	2.00	5,000	N	N	N	<20	N
9CY004M5	35 25 2	81 27 3	20.0	2.00	.20	2.00	5,000	N	N	N	<20	N
9CY005M5	35 25 46	81 26 52	15.0	1.00	.10	>2.00	3,000	N	N	N	20	N
9CY006M5	35 26 18	81 26 7	20.0	1.50	.10	>2.00	5,000	N	N	N	<20	N
9CY007M5	35 26 44	81 25 8	20.0	1.50	.15	>2.00	5,000	N	N	N	20	<50
9CY008M5	35 23 24	81 29 7	20.0	1.50	.20	>2.00	7,000	N	N	N	20	<50
9CY009M5	35 24 48	81 29 55	20.0	.50	<.10	>2.00	5,000	N	N	N	100	N
9CY010M5	35 26 29	81 29 28	20.0	2.00	.50	>2.00	7,000	N	N	N	150	N
9CY011M5	35 28 7	81 29 8	20.0	2.00	.50	1.00	10,000	N	N	N	<20	N
9CY012M5	35 28 19	81 29 25	30.0	1.50	.30	>2.00	5,000	N	N	N	<20	N
9CY013M5	35 28 21	81 29 19	20.0	2.00	.30	1.50	7,000	N	N	N	<20	N
9CY014M5	35 28 56	81 28 48	20.0	2.00	.20	2.00	5,000	N	N	N	<20	N
9CY015M5	35 29 8	81 29 46	20.0	1.00	.10	>2.00	3,000	N	N	N	<20	N
9CY016M5	35 29 28	81 24 20	30.0	1.00	.10	>2.00	3,000	N	N	N	<20	N
9CY017M5	35 29 38	81 23 1	30.0	.30	<.10	>2.00	3,000	N	N	N	<20	N
9CY018M5	35 28 48	81 25 18	30.0	1.50	.15	>2.00	5,000	N	N	N	20	N
9CY019M5	35 25 5	81 24 37	20.0	1.50	.15	>2.00	5,000	N	N	N	<20	N
9CY019M5	35 25 5	81 24 37	20.0	1.00	.20	>2.00	3,000	N	N	N	<20	N
9CY020M5	35 25 2	81 24 36	20.0	1.50	.10	>2.00	5,000	N	N	N	<20	N
9CY020M5	35 25 2	81 24 36	20.0	.70	.10	>2.00	3,000	N	N	N	<20	N
9CY021M5	35 25 29	81 23 51	15.0	1.50	.15	2.00	3,000	N	N	N	20	N
9CY021M5	35 25 29	81 23 51	20.0	1.50	.20	>2.00	5,000	N	N	N	<20	N
9CY022M5	35 25 38	81 23 55	20.0	1.50	.15	>2.00	5,000	N	N	N	20	N
9CY022M5	35 25 38	81 23 55	20.0	1.50	.15	>2.00	5,000	N	N	N	<20	N
9CY023M5	35 27 6	81 24 18	15.0	2.00	.50	>2.00	7,000	N	N	N	100	N
9CY023M5	35 27 6	81 24 18	20.0	2.00	.50	2.00	7,000	N	N	N	<20	N
9CY024M5	35 28 13	81 24 8	20.0	2.00	.30	1.50	5,000	N	N	N	30	N
9CY024M5	35 28 13	81 24 8	15.0	2.00	.50	2.00	5,000	N	N	N	<20	N
9LW009M5	35 26 16	81 18 44	30.0	.50	1.00	>2.00	10,000	N	N	N	<20	50
9LW010M5	35 26 12	81 20 6	20.0	1.00	.20	>2.00	7,000	N	N	N	<20	<50
9LW011M5	35 26 7	81 20 8	20.0	.50	.10	>2.00	7,000	N	N	N	<20	N
9LW017M5	35 28 33	81 21 52	20.0	1.50	.70	>2.00	10,000	N	N	N	20	N
9LW018M5	35 28 22	81 21 48	30.0	.15	.50	>2.00	10,000	N	N	N	<20	50
9LW019M5	35 23 52	81 22 12	15.0	.15	5.00	>2.00	5,000	N	N	N	<20	N
9LW020M5	35 24 23	81 22 27	20.0	.50	.10	>2.00	>10,000	N	N	N	150	<50
9LW021M5	35 24 23	81 18 7	15.0	2.00	2.00	>2.00	>10,000	N	N	N	70	70
9LW022M5	35 27 40	81 15 15	20.0	1.00	.30	>2.00	>10,000	N	N	N	70	<50
9LW023M5	35 26 29	81 16 54	15.0	.70	.20	>2.00	>10,000	N	N	N	20	<50
9LW024M5	35 26 29	81 16 53	20.0	.50	.10	>2.00	>10,000	N	N	N	50	<50
9LW025M5	35 27 30	81 16 45	20.0	.10	<1.00	>2.00	10,000	N	N	N	30	150
9LW026M5	35 23 15	81 16 0	20.0	2.00	1.00	>2.00	>10,000	N	N	N	1,000	N
9WA001M5	35 20 28	81 25 34	20.0	.20	.10	>2.00	7,000	N	N	N	20	N
9WA002M5	35 18 33	81 24 24	10.0	3.00	3.00	2.00	3,000	N	N	N	<20	N
9WA003M5	35 15 30	81 28 52	15.0	.50	.10	>2.00	5,000	N	N	N	30	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B6--Continued						
9CY002M5	N	N	N	30	100	50	N	N	200	10	30
9CY003M5	N	N	N	30	200	10	500	N	100	10	20
9CY004M5	N	N	N	30	200	15	300	N	100	10	20
9CY005M5	N	N	N	30	300	10	>2,000	N	150	15	100
9CY006M5	N	N	N	30	300	20	>2,000	N	200	15	100
9CY007M5	N	N	N	30	200	15	700	N	100	15	30
9CY008M5	N	N	N	30	500	15	500	N	150	50	50
9CY009M5	N	N	N	50	500	15	1,500	N	150	30	70
9CY010M5	N	N	N	70	300	10	1,000	N	100	50	30
9CY011M5	N	N	N	20	70	<10	300	N	100	<10	20
9CY012M5	N	N	N	50	150	20	200	N	300	10	50
9CY013M5	N	N	N	30	100	10	300	N	150	10	20
9CY014M5	N	N	N	30	150	50	100	N	150	10	20
9CY015M5	N	N	N	50	150	20	700	N	200	10	50
9CY016M5	N	N	N	50	300	20	2,000	N	200	10	30
9CY017M5	N	N	N	70	150	<10	200	N	300	15	30
9CY018M5	N	N	N	50	200	<10	1,000	N	150	10	30
9CY019M5	N	N	N	30	200	10	1,500	N	100	15	50
9CY019M5	N	N	N	50	300	10	2,000	N	150	10	50
9CY020M5	N	N	N	30	300	30	>2,000	N	500	15	70
9CY020M5	N	N	N	30	200	10	>2,000	N	150	N	50
9CY021M5	N	N	N	20	300	20	>2,000	N	150	10	50
9CY021M5	N	N	N	30	200	10	700	N	150	10	30
9CY022M5	N	N	N	20	200	15	1,000	N	150	10	30
9CY022M5	N	N	N	50	200	10	1,000	N	150	15	50
9CY023M5	<2	N	N	30	300	15	>2,000	N	500	50	100
9CY023M5	N	N	N	50	200	20	500	N	150	10	30
9CY024M5	N	N	N	20	300	15	>2,000	N	100	15	200
9CY024M5	N	N	N	20	150	10	100	N	70	10	20
9LW009M5	2	N	N	300	300	100	300	N	500	50	50
9LW010M5	N	N	N	100	700	20	100	N	300	15	20
9LW011M5	N	N	N	100	200	30	50	N	200	20	20
9LW017M5	7	N	N	100	300	50	N	N	1,000	50	70
9LW018M5	5	N	N	150	700	150	70	N	2,000	100	100
9LW019M5	5	N	N	100	150	200	50	N	5,000	50	100
9LW020M5	5	N	N	50	200	15	150	N	500	<10	100
9LW021M5	10	N	N	50	500	30	N	N	5,000	20	100
9LW022M5	10	N	N	100	300	30	N	N	3,000	20	50
9LW023M5	3	N	N	20	2,000	100	500	N	>5,000	30	500
9LW024M5	5	N	N	30	200	30	N	N	5,000	<10	150
9LW025M5	3	N	N	50	700	50	N	N	2,000	20	300
9LW026M5	15	N	N	50	300	100	N	N	>2,000	30	150
9WA001M5	N	N	N	50	70	20	1,000	N	300	20	30
9WA002M5	2	N	N	50	50	20	70	N	N	50	<20
9WA003M5	N	N	N	50	70	<10	>2,000	N	200	20	100

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B6--Continued					
9CY002M5	N	20	N	N	200	N	300	500	70	N
9CY003M5	N	150	N	N	150	N	700	N	100	N
9CY004M5	N	150	N	N	150	N	700	N	100	N
9CY005M5	N	>200	N	N	150	N	1,000	N	200	5,000
9CY006M5	N	>200	N	N	150	N	1,000	N	100	5,000
9CY007M5	N	150	N	N	200	N	700	<500	150	200
9CY008M5	N	200	N	N	150	150	2,000	<500	100	200
9CY009M5	N	50	N	N	150	N	2,000	<500	70	500
9CY010M5	N	50	N	N	150	N	1,500	N	500	1,000
9CY011M5	N	150	N	N	100	N	500	N	200	<200
9CY012M5	N	100	N	N	150	<100	1,000	700	100	N
9CY013M5	N	150	N	N	150	N	500	N	100	N
9CY014M5	N	150	N	N	150	N	700	<500	150	N
9CY015M5	N	100	N	N	150	N	1,000	N	70	N
9CY016M5	N	200	N	N	200	N	1,500	<500	700	700
9CY017M5	N	30	N	N	200	N	200	700	700	N
9CY018M5	N	150	N	N	200	N	1,000	500	150	500
9CY019M5	N	150	N	N	200	N	700	N	100	700
9CY019M5	N	10	N	N	200	N	500	500	1,500	1,000
9CY020M5	N	>200	N	N	200	N	2,000	<500	300	2,000
9CY020M5	N	10	N	N	300	N	700	<500	700	2,000
9CY021M5	N	>200	N	N	150	150	3,000	N	500	2,000
9CY021M5	N	100	N	N	200	N	500	N	150	300
9CY022M5	N	150	N	N	200	N	5,000	<500	300	500
9CY022M5	N	100	N	N	300	N	1,000	<500	150	500
9CY023M5	N	>200	N	N	300	N	>5,000	N	1,500	3,000
9CY023M5	N	150	N	<200	200	N	3,000	N	200	200
9CY024M5	N	>200	N	N	150	N	3,000	N	1,000	5,000
9CY024M5	N	150	N	N	150	N	2,000	N	100	N
9LW009M5	N	30	N	N	200	N	1,000	N	1,500	N
9LW010M5	N	50	N	N	300	N	700	N	300	N
9LW011M5	N	30	N	N	200	N	700	N	200	N
9LW017M5	N	20	N	N	200	N	1,000	N	300	N
9LW018M5	N	70	N	<200	200	N	>5,000	N	500	N
9LW019M5	N	150	200	200	300	N	2,000	N	700	N
9LW020M5	N	30	200	N	200	N	500	500	>2,000	N
9LW021M5	N	70	200	N	300	N	300	N	700	N
9LW022M5	N	50	30	N	200	N	70	N	200	N
9LW023M5	N	150	1,500	<200	200	N	>5,000	N	2,000	N
9LW024M5	N	70	70	N	200	N	700	N	700	N
9LW025M5	N	50	N	N	300	N	1,000	N	700	N
9LW026M5	N	50	>2,000	N	200	N	150	1,000	1,500	N
9WA001M5	N	20	N	N	100	N	1,500	<500	200	<200
9WA002M5	N	30	N	N	200	N	150	N	200	N
9WA003M5	N	10	N	N	100	N	200	N	500	5,000

Table 3.--Analytical results of the magnetic at 0.5 asperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B6--Continued							
9WA004M5	35 15 12	81 29 9	15.0	.50	.15	>2.00	5,000	N	N	N	<20	N
9WA009M5	35 21 2	81 26 38	15.0	.50	.10	>2.00	5,000	N	N	N	<20	N
9WA010M5	35 22 18	81 27 16	15.0	.70	.15	>2.00	3,000	N	N	N	20	N
9WA011M5	35 19 50	81 26 20	20.0	.07	N	>2.00	7,000	N	N	N	<20	N
9WA012M5	35 20 56	81 24 25	20.0	.20	.10	>2.00	5,000	N	N	N	<20	N
9WA013M5	35 19 45	81 23 44	20.0	.70	.20	>2.00	7,000	N	N	N	<20	N
9WA014M5	35 20 57	81 23 56	15.0	.15	.10	>2.00	5,000	N	N	N	<20	N
9WA015M5	35 15 15	81 26 46	20.0	.10	.10	>2.00	7,000	N	N	N	<20	N
9WA017M5	35 15 44	81 23 44	15.0	.05	N	>2.00	7,000	N	N	N	<20	N
9WA018M5	35 15 39	81 22 59	15.0	.07	N	>2.00	7,000	N	N	N	20	N
9WA019M5	35 16 31	81 22 44	20.0	.07	N	>2.00	7,000	N	N	N	30	N
9WA020M5	35 17 0	81 23 2	20.0	.05	N	>2.00	7,000	N	N	N	<20	N
9WA021M5	35 19 26	81 22 33	20.0	1.50	.70	>2.00	7,000	N	N	N	20	N
9WA022M5	35 20 37	81 22 56	.5	<.05	.20	>2.00	200	N	N	N	50	N
9WA023M5	35 20 51	81 22 56	20.0	.20	.10	>2.00	7,000	N	N	N	70	N
9WA024M5	35 21 12	81 23 56	20.0	.30	.15	>2.00	7,000	N	N	N	<20	N
9WA025M5	35 22 15	81 24 44	30.0	.07	.10	>2.00	7,000	N	N	N	N	N
					B7							
9SY001M5	35 24 14	81 44 59	20.0	1.00	.15	>2.00	7,000	N	N	N	<20	N
9SY002M5	35 20 32	81 44 40	30.0	1.00	.15	>2.00	7,000	N	N	N	30	N
9SY003M5	35 17 58	81 44 36	30.0	.70	.10	>2.00	5,000	N	N	N	<20	N
9SY004M5	35 15 49	81 30 56	20.0	.50	.15	>2.00	5,000	N	N	N	50	N
9SY005M5	35 15 36	81 31 56	30.0	1.50	.20	>2.00	7,000	N	N	N	20	N
9SY006M5	35 16 14	81 35 4	30.0	2.00	.70	1.00	10,000	N	N	N	30	N
9SY007M5	35 15 38	81 36 50	20.0	1.50	.30	2.00	10,000	N	N	N	30	N
9SY008M5	35 15 44	81 39 11	20.0	.70	<.10	>2.00	5,000	N	N	N	<20	N
9SY009M5	35 15 20	81 43 38	30.0	.30	<.10	>2.00	7,000	N	N	N	<20	N
9SY010M5	35 15 30	81 43 36	20.0	.70	.10	>2.00	7,000	N	N	N	<20	N
9SY011M5	35 17 49	81 39 49	30.0	1.50	.10	>2.00	7,000	N	N	N	<20	N
9SY012M5	35 18 33	81 37 51	20.0	1.50	.15	>2.00	3,000	N	N	N	<20	N
9SY013M5	35 17 38	81 36 22	30.0	1.00	<.10	>2.00	3,000	N	N	N	<20	N
9SY014M5	35 19 41	81 34 49	20.0	2.00	.20	>2.00	5,000	N	N	N	50	N
9SY015M5	35 20 9	81 34 39	20.0	2.00	.20	2.00	5,000	N	N	N	20	N
9SY016M5	35 21 4	81 35 14	20.0	1.00	.10	>2.00	5,000	N	N	N	<20	N
9SY017M5	35 21 7	81 34 36	20.0	2.00	.20	2.00	5,000	N	N	N	20	N
9SY018M5	35 21 7	81 36 13	20.0	1.00	.10	>2.00	3,000	N	N	N	20	N
9SY019M5	35 21 51	81 36 22	20.0	.70	.10	>2.00	3,000	N	N	N	<20	N
9SY020M5	35 22 52	81 38 42	20.0	1.00	.15	>2.00	7,000	N	N	N	20	N
9SY021M5	35 23 11	81 38 3	20.0	1.00	.20	>2.00	10,000	N	N	N	<20	N
9SY022M5	35 22 58	81 38 39	5.0	.50	.20	1.00	5,000	N	N	N	200	N
9SY023M5	35 21 34	81 40 12	30.0	.30	<.10	>2.00	3,000	N	N	N	<20	N
9SY024M5	35 21 54	81 41 7	20.0	.50	<.10	>2.00	5,000	N	N	N	20	N
9SY025M5	35 23 31	81 40 16	20.0	1.50	.15	>2.00	7,000	N	N	N	20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B6--Continued						
9WA004M5	N	N	N	30	50	15	700	N	500	<10	50
9WA009M5	<2	N	N	50	50	50	300	N	150	20	30
9WA010M5	N	N	N	50	70	15	1,000	N	200	10	30
9WA011M5	N	N	N	50	50	20	300	N	100	10	20
9WA012M5	N	N	N	50	70	15	150	N	300	10	20
9WA013M5	N	N	N	70	70	30	N	N	200	30	30
9WA014M5	N	N	N	50	30	20	70	N	200	15	30
9WA015M5	N	N	N	50	30	<10	100	N	100	<10	<20
9WA017M5	2	N	N	20	20	10	200	N	5,000	<10	30
9WA018M5	2	N	N	20	50	10	300	N	5,000	N	100
9WA019M5	2	N	N	30	50	10	300	N	2,000	N	70
9WA020M5	N	N	N	30	50	50	200	N	1,000	<10	30
9WA021M5	2	N	N	100	100	20	N	N	150	70	30
9WA022M5	500	<20	N	<10	100	<10	50	N	700	<10	70
9WA023M5	3	N	N	30	50	30	300	N	300	20	70
9WA024M5	3	N	N	30	100	15	N	N	500	20	50
9WA025M5	2	N	N	50	50	20	50	N	300	15	30
					B7--Continued						
9SY001M5	N	N	N	30	100	15	300	N	200	15	20
9SY002M5	N	N	N	50	300	15	2,000	N	200	20	100
9SY003M5	N	N	N	50	500	15	1,000	N	3,000	30	100
9SY004M5	N	N	N	30	300	20	1,500	N	700	20	100
9SY005M5	N	N	N	30	200	20	500	N	200	15	30
9SY006M5	N	N	N	30	200	15	2,000	N	<50	10	50
9SY007M5	N	N	N	20	200	10	2,000	N	150	10	70
9SY008M5	N	N	N	50	200	10	150	N	200	15	50
9SY009M5	N	N	N	50	150	15	1,000	N	200	15	30
9SY010M5	N	N	N	50	300	15	1,500	N	500	20	70
9SY011M5	N	N	N	70	300	20	200	N	150	20	50
9SY012M5	N	N	N	100	500	20	>2,000	N	100	30	70
9SY013M5	N	N	N	100	300	20	1,000	N	200	20	70
9SY014M5	N	N	N	50	300	30	>2,000	N	150	10	100
9SY015M5	N	N	N	20	200	<10	1,000	N	100	10	30
9SY016M5	N	N	N	50	200	20	1,000	N	2,000	10	50
9SY017M5	N	N	N	50	300	20	>2,000	N	200	20	100
9SY018M5	N	N	N	50	150	15	1,500	N	150	20	30
9SY019M5	N	N	N	70	200	20	500	N	150	15	50
9SY020M5	N	N	N	30	300	50	1,000	N	1,000	N	200
9SY021M5	N	N	N	20	200	30	1,000	N	150	N	200
9SY022M5	N	N	N	30	300	10	>2,000	N	200	N	700
9SY023M5	N	N	N	50	200	20	1,000	N	200	15	100
9SY024M5	N	N	N	50	150	20	1,000	N	300	20	100
9SY025M5	N	N	N	50	150	15	700	N	150	<10	70

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B6--Continued					
9WA004M5	N	50	N	N	100	N	300	N	500	500
9WA009M5	N	30	N	N	150	N	700	<500	150	N
9WA010M5	N	50	N	N	150	N	500	N	100	700
9WA011M5	N	20	N	N	150	N	300	<500	200	N
9WA012M5	N	20	N	N	150	N	700	N	100	N
9WA013M5	N	15	N	N	100	N	200	N	200	N
9WA014M5	N	15	N	N	100	N	2,000	500	200	N
9WA015M5	N	10	N	N	100	N	300	500	1,000	N
9WA017M5	N	20	200	N	30	N	2,000	<500	150	N
9WA018M5	N	30	50	N	50	N	>5,000	N	700	N
9WA019M5	N	30	30	N	100	N	5,000	N	500	N
9WA020M5	N	50	N	N	70	N	5,000	<500	500	N
9WA021M5	N	20	50	N	100	N	50	500	300	N
9WA022M5	N	50	>2,000	N	150	N	100	N	>2,000	N
9WA023M5	N	30	50	N	100	N	3,000	500	300	N
9WA024M5	N	30	50	N	100	N	1,000	500	200	N
9WA025M5	N	20	N	N	100	N	500	500	150	N
					B7--Continued					
9SY001M5	N	100	N	N	150	N	1,500	<500	200	N
9SY002M5	N	10	N	N	200	N	3,000	500	200	1,000
9SY003M5	N	100	N	N	200	N	2,000	500	300	200
9SY004M5	N	70	N	N	200	N	5,000	500	500	700
9SY005M5	N	150	N	N	200	500	2,000	<500	200	N
9SY006M5	N	>200	N	N	150	200	3,000	N	100	500
9SY007M5	N	10	N	N	150	N	5,000	N	700	1,000
9SY008M5	N	100	N	N	100	N	1,000	500	150	N
9SY009M5	N	70	N	N	70	N	2,000	500	150	N
9SY010M5	N	100	N	N	100	N	1,500	<500	150	500
9SY011M5	N	100	N	N	150	N	1,500	<500	100	N
9SY012M5	N	10	N	N	200	N	700	500	100	1,500
9SY013M5	N	100	N	N	200	N	1,000	<500	100	200
9SY014M5	N	10	N	N	200	N	2,000	<500	1,000	1,000
9SY015M5	N	>200	N	N	150	N	2,000	N	2,000	500
9SY016M5	N	100	N	N	150	N	1,500	N	200	500
9SY017M5	N	>200	N	N	150	N	3,000	N	500	2,000
9SY018M5	N	100	N	N	200	N	700	500	150	500
9SY019M5	N	70	N	N	200	N	1,000	700	150	N
9SY020M5	N	10	N	N	100	N	>5,000	N	2,000	1,000
9SY021M5	N	10	N	N	100	N	>5,000	N	2,000	700
9SY022M5	N	10	N	N	20	N	>5,000	500	2,000	>5,000
9SY023M5	N	70	N	N	100	N	2,000	500	200	N
9SY024M5	N	70	N	N	100	N	1,500	700	200	N
9SY025M5	N	100	N	N	100	N	2,000	500	150	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B7--Continued							
9SY026M5	35 25 9	81 41 21	30.0	1.50	.30	>2.00	7,000	N	N	N	30	N
9SY027M5	35 29 11	81 44 29	20.0	2.00	.50	2.00	10,000	N	N	N	<20	N
9SY030M5	35 25 43	81 39 38	15.0	.50	.20	>2.00	7,000	N	N	N	20	N
9SY031M5	35 25 46	81 39 45	20.0	2.00	.70	2.00	10,000	N	N	N	30	N
9SY032M5	35 27 42	81 40 35	20.0	.50	.10	>2.00	5,000	N	N	N	20	N
9SY033M5	35 28 23	81 42 50	20.0	2.00	.50	>2.00	7,000	N	N	N	<20	N
9SY034M5	35 19 19	81 34 34	20.0	1.50	.20	>2.00	3,000	N	N	N	<20	N
9SY035M5	35 20 37	81 37 6	30.0	1.50	.10	>2.00	3,000	N	N	N	<20	N
9SY036M5	35 22 41	81 39 6	20.0	1.00	.15	>2.00	7,000	N	N	N	<20	N
9SY037M5	35 22 35	81 38 1	30.0	.50	.10	>2.00	3,000	N	N	N	<20	N
9SY038M5	35 24 6	81 39 36	20.0	.50	.10	>2.00	5,000	N	N	N	20	N
9SY039M5	35 24 9	81 39 31	10.0	.50	.15	>2.00	5,000	N	N	N	150	N
9SY040M5	35 21 21	81 34 38	20.0	2.00	.20	>2.00	5,000	N	N	N	<20	N
9SY041M5	35 20 12	81 33 41	30.0	1.00	.10	>2.00	3,000	N	N	N	20	N
9SY042M5	35 18 15	81 32 49	20.0	2.00	.70	1.00	7,000	N	N	N	50	N
9SY043M5	35 19 48	81 32 19	20.0	2.00	1.00	>2.00	10,000	N	N	N	20	N
9SY044M5	35 20 56	81 32 17	20.0	1.50	.50	1.50	7,000	N	N	N	20	N
9SY045M5	35 20 11	81 36 4	30.0	1.50	.20	>2.00	7,000	N	N	N	20	N
9SY046M5	35 28 21	81 40 54	20.0	1.50	.30	>2.00	5,000	N	N	N	<20	N
9SY047M5	35 28 20	81 41 50	20.0	1.50	.30	>2.00	5,000	N	N	N	20	N
9SY048M5	35 29 40	81 42 22	20.0	2.00	.50	>2.00	5,000	N	N	N	<20	N
9SY049M5	35 27 55	81 38 32	15.0	2.00	.50	1.50	>10,000	N	N	N	150	N
9SY050M5	35 25 40	81 37 11	30.0	.50	<.10	>2.00	3,000	N	N	N	<20	N
9SY051M5	35 25 52	81 36 11	30.0	.50	<.10	>2.00	3,000	N	N	N	<20	N
9SY052M5	35 18 14	81 30 52	20.0	2.00	2.00	>2.00	10,000	N	N	N	70	N
9SY053M5	35 19 11	81 30 22	20.0	.50	.10	>2.00	5,000	N	N	N	<20	N
9SY054M5	35 20 1	81 31 9	20.0	1.50	.20	>2.00	5,000	N	N	N	20	N
9SY055M5	35 21 24	81 31 21	20.0	1.00	.30	>2.00	5,000	N	N	N	30	N
9SY056M5	35 22 41	81 32 14	20.0	.70	.30	>2.00	5,000	N	N	N	<20	N
9SY057M5	35 23 1	81 32 6	15.0	.50	.15	>2.00	5,000	N	N	N	200	N
9SY058M5	35 25 48	81 35 18	20.0	1.50	.20	>2.00	7,000	N	N	N	100	N
9SY059M5	35 25 34	81 32 48	15.0	1.00	.50	2.00	7,000	N	N	N	500	N
9SY060M5	35 26 17	81 31 46	20.0	1.50	.70	>2.00	7,000	N	N	N	30	N
9SY061M5	35 26 23	81 31 42	20.0	1.00	.30	>2.00	5,000	N	N	N	<20	N
9SY062M5	35 27 18	81 31 32	20.0	1.50	.15	>2.00	5,000	N	N	N	<20	N
9SY063M5	35 27 55	81 30 51	30.0	.50	.10	>2.00	5,000	N	N	N	N	N
9SY064M5	35 27 17	81 31 9	20.0	1.50	.70	>2.00	7,000	N	N	N	<20	N
9SY065M5	35 27 51	81 31 4	20.0	1.00	.10	>2.00	5,000	N	N	N	N	50
					B8							
9FC001M5	35 18 37	81 45 54	15.0	1.00	.20	>2.00	5,000	N	N	N	30	N
9FC002M5	35 18 32	81 47 19	20.0	1.00	.10	>2.00	7,000	N	N	N	<20	N
9FC003M5	35 15 54	81 46 30	20.0	.30	.10	>2.00	7,000	N	N	N	<20	N
9RN001M5	35 29 8	81 56 3	20.0	1.00	1.50	>2.00	10,000	N	N	N	<20	50
9RN002M5	35 29 46	81 55 24	20.0	1.00	1.00	>2.00	10,000	N	N	N	<20	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B7--Continued						
9SY026M5	N	N	N	50	3,000	20	300	N	150	20	70
9SY027M5	N	N	N	50	300	10	1,000	N	100	15	30
9SY030M5	N	N	N	50	500	15	>2,000	N	200	30	300
9SY031M5	N	N	N	30	300	20	1,500	N	50	20	70
9SY032M5	N	N	N	50	100	15	1,500	N	150	15	20
9SY033M5	N	N	N	30	300	10	1,500	N	100	10	20
9SY034M5	N	N	N	50	200	20	1,000	N	150	10	50
9SY035M5	N	N	N	50	200	15	150	N	200	10	30
9SY036M5	N	N	N	50	100	15	70	N	300	15	50
9SY037M5	N	N	N	50	150	20	2,000	N	150	15	50
9SY038M5	N	N	N	30	200	10	>2,000	N	100	N	150
9SY039M5	N	N	N	50	200	10	>2,000	N	100	N	300
9SY040M5	N	N	N	30	300	15	>2,000	N	1,500	10	150
9SY041M5	N	N	N	30	300	15	2,000	N	150	10	100
9SY042M5	N	N	N	30	150	20	>2,000	N	200	10	70
9SY043M5	N	N	N	30	500	15	1,500	N	150	20	70
9SY044M5	N	N	N	30	200	10	1,500	N	50	10	20
9SY045M5	N	N	N	70	200	30	200	N	150	15	30
9SY046M5	N	N	N	50	500	15	>2,000	N	150	15	100
9SY047M5	N	N	N	70	200	15	>2,000	N	150	10	50
9SY048M5	N	N	N	50	200	10	100	N	200	20	20
9SY049M5	N	N	N	20	200	15	1,000	N	150	N	150
9SY050M5	N	N	N	30	200	15	50	N	200	15	50
9SY051M5	N	N	N	30	200	20	500	N	200	15	50
9SY052M5	N	N	N	30	700	50	1,000	N	500	50	100
9SY053M5	N	N	N	50	700	10	1,500	N	500	30	50
9SY054M5	N	N	N	50	700	20	>2,000	N	500	50	100
9SY055M5	N	N	N	30	300	<10	>2,000	N	500	20	100
9SY056M5	N	N	N	100	700	30	>2,000	N	500	70	70
9SY057M5	N	N	N	50	3,000	<10	>2,000	N	200	20	200
9SY058M5	2	N	N	30	300	20	>2,000	N	100	20	100
9SY059M5	N	N	N	50	500	20	>2,000	N	150	20	200
9SY060M5	N	N	N	30	200	10	1,500	N	150	<10	70
9SY061M5	N	N	N	30	300	10	2,000	N	150	<10	100
9SY062M5	N	N	N	50	300	10	>2,000	N	200	10	100
9SY063M5	N	N	N	70	300	10	150	N	100	15	150
9SY064M5	N	N	N	30	150	10	200	N	200	10	70
9SY065M5	N	N	N	50	300	15	>2,000	N	200	15	150
					B8--Continued						
9FC001M5	N	N	N	50	150	10	>2,000	N	500	15	200
9FC002M5	N	N	N	50	70	15	700	N	150	10	50
9FC003M5	N	N	N	30	200	15	300	N	150	10	50
9RN001M5	N	N	N	70	500	100	300	N	100	30	70
9RN002M5	N	N	N	70	1,000	70	1,000	N	150	20	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B7--Continued					
9SY026M5	N	100	N	N	100	N	1,500	500	200	N
9SY027M5	N	200	N	N	100	N	2,000	N	100	500
9SY030M5	N	10	N	N	100	N	>5,000	N	1,000	5,000
9SY031M5	N	10	N	N	100	N	>5,000	N	2,000	1,500
9SY032M5	N	70	N	N	100	N	2,000	N	500	700
9SY033M5	N	10	N	N	100	N	1,000	N	200	1,000
9SY034M5	N	100	N	N	150	N	3,000	500	200	200
9SY035M5	N	100	N	N	150	N	2,000	700	200	N
9SY036M5	N	100	N	N	70	N	1,500	700	150	N
9SY037M5	N	50	1,000	N	100	N	3,000	<500	300	700
9SY038M5	N	10	N	N	100	N	>5,000	N	700	2,000
9SY039M5	N	10	N	N	100	N	>5,000	N	1,000	5,000
9SY040M5	N	10	N	N	100	N	3,000	N	500	2,000
9SY041M5	N	10	N	N	150	N	3,000	<500	700	2,000
9SY042M5	N	10	N	N	100	N	5,000	N	1,000	2,000
9SY043M5	N	100	N	N	100	N	3,000	N	200	700
9SY044M5	N	150	N	N	70	300	1,500	<500	300	700
9SY045M5	N	100	N	N	100	N	1,500	500	100	N
9SY046M5	N	10	N	N	100	N	2,000	N	200	2,000
9SY047M5	N	10	N	N	100	N	1,000	N	300	2,000
9SY048M5	N	150	N	N	150	N	700	500	200	N
9SY049M5	N	200	N	N	100	<100	>5,000	N	1,000	500
9SY050M5	N	70	N	N	150	N	1,000	700	50	N
9SY051M5	N	70	N	N	100	N	2,000	700	50	N
9SY052M5	N	100	N	N	150	1,500	5,000	<500	500	500
9SY053M5	N	10	N	N	100	N	2,000	<500	200	1,000
9SY054M5	N	10	N	N	100	N	3,000	500	1,000	2,000
9SY055M5	N	10	N	N	100	N	2,000	700	500	2,000
9SY056M5	N	10	N	N	100	N	2,000	700	300	2,000
9SY057M5	N	10	N	N	100	N	3,000	500	700	5,000
9SY058M5	N	10	N	N	70	N	5,000	N	700	2,000
9SY059M5	N	10	N	N	100	N	>5,000	N	700	5,000
9SY060M5	N	150	N	N	100	100	5,000	N	700	700
9SY061M5	N	10	N	N	70	N	3,000	N	150	1,000
9SY062M5	N	10	N	N	100	N	>5,000	<500	300	1,000
9SY063M5	N	50	N	N	150	N	500	700	100	N
9SY064M5	N	100	N	N	70	N	1,000	<500	100	N
9SY065M5	N	10	N	N	100	N	1,500	500	1,000	2,000
					B8--Continued					
9FC001M5	N	10	20	N	100	N	2,000	N	500	5,000
9FC002M5	N	70	N	N	70	N	2,000	N	300	500
9FC003M5	N	50	N	N	50	500	1,500	500	500	<200
9RN001M5	N	70	N	<200	300	N	>5,000	<500	1,000	N
9RN002M5	N	70	N	<200	500	N	>5,000	<500	1,000	500

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B8--Continued							
9RN003M5	35 29 43	81 55 20	15.0	1.50	3.00	>2.00	10,000	N	N	N	<20	70
9RN004M5	35 28 40	81 54 5	15.0	5.00	3.00	2.00	5,000	N	N	N	<20	100
9RN005M5	35 29 55	81 52 45	20.0	3.00	5.00	>2.00	7,000	N	N	N	<20	100
9RN006M5	35 29 46	81 52 32	15.0	5.00	5.00	1.00	3,000	N	N	N	<20	100
9RN007M5	35 29 28	81 53 1	20.0	5.00	7.00	1.50	5,000	N	N	N	<20	150
9RN008M5	35 23 43	81 54 54	20.0	2.00	2.00	>2.00	7,000	N	N	N	<20	50
9RN009M5	35 24 38	81 59 25	20.0	5.00	3.00	1.00	3,000	N	N	N	20	100
9RN010M5	35 22 35	81 59 52	15.0	5.00	5.00	2.00	5,000	N	N	N	<20	100
9RN011M5	35 22 30	81 54 56	20.0	1.00	.20	>2.00	10,000	N	N	N	<20	<50
9RS001M5	35 21 20	81 58 8	20.0	1.50	2.00	1.00	>10,000	N	N	N	<20	50
9RS002M5	35 20 24	81 58 45	20.0	1.50	2.00	1.50	7,000	N	N	N	<20	100
9RS003M5	35 19 38	81 58 7	20.0	1.50	.50	>2.00	>10,000	N	N	N	<20	<50
9RS004M5	35 20 22	81 57 22	20.0	1.50	.50	>2.00	>10,000	N	N	N	<20	<50
9RS005M5	35 18 5	81 57 40	20.0	2.00	1.50	>2.00	>10,000	N	N	N	20	<50
9RS006M5	35 16 29	81 58 35	15.0	1.50	1.50	>2.00	>10,000	N	N	N	<20	<50
9RS007M5	35 22 12	81 53 50	20.0	1.00	.70	>2.00	>10,000	N	N	N	20	N
9RS008M5	35 17 0	81 54 56	30.0	.50	<.10	>2.00	10,000	.5	N	N	20	N
9RS009M5	35 16 39	81 56 25	20.0	.50	.10	>2.00	10,000	N	N	N	<20	N
9RS010M5	35 15 8	81 56 52	20.0	1.00	.50	>2.00	>10,000	N	N	N	1,000	N
9SN001M5	35 28 29	81 51 4	20.0	1.50	.30	>2.00	10,000	N	N	N	<20	N
9SN002M5	35 27 36	81 50 9	15.0	1.50	.70	>2.00	10,000	N	N	N	<20	N
9SN004M5	35 28 50	81 45 43	20.0	1.50	.30	2.00	7,000	N	N	N	20	N
9SN005M5	35 24 20	81 51 16	15.0	1.50	.20	>2.00	3,000	N	N	N	<20	N
9SN006M5	35 24 36	81 48 39	20.0	1.50	.20	>2.00	7,000	N	N	N	<20	N
9SN007M5	35 24 43	81 48 42	20.0	1.50	.20	>2.00	7,000	N	N	N	<20	N
9SN008M5	35 23 50	81 46 31	20.0	1.50	.15	>2.00	7,000	N	N	N	20	N
9SN009M5	35 25 11	81 52 18	15.0	1.50	2.00	2.00	5,000	N	N	N	20	N
					C1							
0D100M5	35 42 0	80 12 30	15.0	.20	1.00	>2.00	7,000	N	N	N	<20	N
0D100M5	35 42 0	80 12 30	20.0	.20	.70	>2.00	10,000	N	N	N	<20	N
0D101M5	35 41 36	80 12 29	20.0	.50	.70	>2.00	10,000	N	N	N	<20	N
0D101M5	35 41 36	80 12 29	20.0	.50	.70	>2.00	10,000	N	N	N	<20	<50
8D001M5	35 30 45	80 9 9	10.0	.15	2.00	2.00	10,000	N	N	N	20	300
8D001M5	35 30 45	80 9 9	30.0	.50	2.00	1.50	7,000	N	N	N	20	500
8D002M5	35 32 10	80 6 1	10.0	.10	1.50	>2.00	>10,000	N	N	N	20	100
8D002M5	35 32 10	80 6 1	20.0	.15	1.00	>2.00	10,000	N	N	N	20	<50
8D003M5	35 31 57	80 4 57	7.0	.15	3.00	>2.00	>10,000	N	N	N	30	<50
8D003M5	35 31 57	80 4 57	15.0	.30	2.00	>2.00	7,000	N	N	N	<20	50
8D004M5	35 30 44	80 3 52	10.0	.10	1.50	>2.00	>10,000	N	N	N	<20	<50
8D004M5	35 30 44	80 3 52	20.0	.30	1.00	>2.00	7,000	N	N	N	<20	50
8D005M5	35 31 30	80 2 2	10.0	.10	.50	>2.00	>10,000	N	N	N	20	100
8D005M5	35 31 30	80 2 2	20.0	.15	.20	>2.00	7,000	N	N	N	20	70
8D006M5	35 31 43	80 1 14	10.0	.05	.30	>2.00	>10,000	N	N	N	20	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B8--Continued						
9RN003M5	N	N	N	100	100	50	150	N	100	30	30
9RN004M5	3	N	N	100	1,000	70	100	N	<50	70	30
9RN005M5	3	N	N	100	200	20	N	N	70	50	30
9RN006M5	3	N	N	70	300	30	N	N	<50	70	20
9RN007M5	5	N	N	150	300	20	200	N	50	50	50
9RN008M5	N	N	N	200	10,000	70	1,500	N	100	70	50
9RN009M5	2	N	N	300	700	150	150	N	100	200	30
9RN010M5	3	N	N	200	500	70	N	N	70	100	30
9RN011M5	N	N	N	70	1,500	20	2,000	N	100	15	70
9RS001M5	N	N	N	200	>10,000	150	700	N	<50	70	30
9RS002M5	2	N	N	200	>10,000	200	150	N	N	150	30
9RS003M5	N	N	N	70	7,000	30	>2,000	N	<50	30	50
9RS004M5	N	N	N	70	700	30	>2,000	N	70	15	30
9RS005M5	N	N	N	100	300	30	700	N	70	30	30
9RS006M5	N	N	N	100	700	30	150	N	50	30	30
9RS007M5	N	N	N	70	500	30	2,000	N	70	30	50
9RS008M5	N	N	N	50	700	30	150	N	150	15	70
9RS009M5	N	N	N	50	100	30	500	N	100	10	50
9RS010M5	N	N	N	20	70	10	1,000	N	100	<10	70
9SN001M5	N	N	N	30	50	15	2,000	N	50	<10	20
9SN002M5	N	N	N	50	50	10	1,000	N	50	15	20
9SN004M5	N	N	N	30	70	10	500	N	50	<10	<20
9SN005M5	N	N	N	100	>10,000	30	>2,000	N	70	100	50
9SN006M5	N	N	N	30	100	10	2,000	N	70	<10	30
9SN007M5	N	N	N	30	300	10	1,000	N	70	10	20
9SN008M5	N	N	N	30	150	10	300	N	100	10	20
9SN009M5	N	N	N	150	10,000	50	1,000	N	50	100	50
					C1--Continued						
0D100M5	N	N	N	70	500	50	N	N	150	30	100
0D100M5	N	N	N	70	700	50	N	N	150	20	150
0D101M5	N	N	N	50	200	30	N	N	100	20	50
0D101M5	N	N	N	50	300	50	<50	N	100	20	70
8D001M5	5	N	N	70	300	70	N	N	<50	70	20
8D001M5	3	N	N	100	1,000	100	50	N	50	100	30
8D002M5	3	N	N	70	700	70	N	N	50	<10	50
8D002M5	2	N	N	70	700	50	N	N	100	50	30
8D003M5	2	N	N	50	300	70	N	N	50	<10	30
8D003M5	N	N	N	30	300	70	<50	N	100	20	30
8D004M5	<2	N	N	50	3,000	30	N	N	70	<10	20
8D004M5	N	N	N	50	2,000	50	N	N	150	70	20
8D005M5	3	N	N	50	500	50	N	N	70	<10	30
8D005M5	3	N	N	70	700	70	N	N	100	50	30
8D006M5	2	N	N	50	300	50	N	N	70	<10	20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S
					B8--Continued					
9RN003M5	N	70	N	1,000	300	N	5,000	N	700	N
9RN004M5	N	100	N	<200	500	N	5,000	2,000	700	N
9RN005M5	N	70	N	300	500	N	150	N	200	N
9RN006M5	N	100	N	N	500	N	200	N	200	N
9RN007M5	N	100	N	500	700	N	2,000	N	1,000	N
9RN008M5	N	100	N	N	300	N	1,500	500	200	300
9RN009M5	N	100	N	<200	500	N	3,000	500	300	N
9RN010M5	N	100	N	<200	500	N	3,000	500	500	N
9RN011M5	N	10	N	N	150	N	2,000	<500	300	1,500
9RS001M5	N	200	N	<200	200	N	5,000	700	2,000	700
9RS002M5	N	100	N	<200	300	N	2,000	N	>2,000	200
9RS003M5	N	10	N	N	200	N	3,000	N	>2,000	1,000
9RS004M5	N	10	N	N	150	N	2,000	1,000	500	1,000
9RS005M5	N	70	N	N	200	N	3,000	N	>2,000	200
9RS006M5	N	70	N	N	200	N	5,000	N	2,000	N
9RS007M5	N	100	N	N	200	N	2,000	<500	700	500
9RS008M5	N	50	N	N	150	N	3,000	500	500	N
9RS009M5	N	70	N	N	150	N	3,000	<500	1,000	N
9RS010M5	N	200	N	N	100	N	>5,000	N	700	700
9SN001M5	N	100	N	N	70	N	1,000	N	700	1,000
9SN002M5	N	50	N	N	100	N	1,000	N	150	500
9SN004M5	N	100	N	N	70	N	500	N	700	200
9SN005M5	N	10	N	N	200	N	500	700	1,000	5,000
9SN006M5	N	N	N	N	70	N	1,000	N	300	1,500
9SN007M5	N	70	N	N	70	N	1,500	N	300	500
9SN008M5	N	100	N	N	70	N	2,000	N	200	<200
9SN009M5	N	50	N	<200	200	N	3,000	<500	2,000	700
					C1--Continued					
0D100M5	N	30	N	200	150	N	150	500	200	N
0D100M5	N	30	N	<200	150	N	70	500	100	N
0D101M5	N	30	N	200	100	N	70	<500	100	N
0D101M5	N	30	N	200	100	N	100	500	150	N
8D001M5	N	50	N	300	700	N	50	<500	300	N
8D001M5	N	50	N	500	1,000	N	50	<500	150	N
8D002M5	N	50	N	200	200	N	50	1,000	150	N
8D002M5	N	30	N	200	300	N	30	700	200	N
8D003M5	N	50	N	500	200	N	50	<500	100	N
8D003M5	N	30	N	500	300	N	50	500	200	N
8D004M5	N	50	N	300	300	N	50	<500	100	N
8D004M5	N	30	N	300	500	N	50	700	100	N
8D005M5	N	20	N	N	150	N	50	1,000	100	N
8D005M5	N	20	N	N	300	N	50	700	100	N
8D006M5	N	30	N	N	200	N	30	1,000	100	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C1--Continued							
8D006M5	35 31 43	80 1 14	20.0	.07	.15	>2.00	7,000	N	N	N	<20	50
8D007M5	35 33 57	80 2 40	10.0	.10	.70	>2.00	>10,000	N	N	N	20	<50
8D007M5	35 33 57	80 2 40	20.0	.20	.50	>2.00	7,000	N	N	N	<20	<50
8D008M5	35 34 38	80 3 15	15.0	.15	.50	>2.00	>10,000	N	N	N	20	150
8D008M5	35 34 38	80 3 15	20.0	.20	.20	>2.00	7,000	N	N	N	20	70
8D009M5	35 35 50	80 1 50	10.0	.07	.10	>2.00	>10,000	N	N	N	<20	70
8D009M5	35 35 50	80 1 50	20.0	.10	<.10	>2.00	10,000	N	N	N	20	50
8D010M5	35 36 12	80 3 59	10.0	.07	.50	>2.00	>10,000	N	N	N	20	50
8D010M5	35 36 12	80 3 59	20.0	.10	.50	>2.00	10,000	N	N	N	<20	50
8D011M5	35 35 21	80 6 24	15.0	.07	.50	>2.00	>10,000	N	N	N	20	70
8D011M5	35 35 21	80 6 24	20.0	.07	.20	>2.00	7,000	N	N	N	20	50
8D012M5	35 35 22	80 8 3	10.0	.10	.70	>2.00	10,000	N	N	N	<20	50
8D012M5	35 35 22	80 8 3	20.0	.15	.30	>2.00	10,000	N	N	N	<20	50
8D013M5	35 34 59	80 9 49	10.0	.10	.70	>2.00	>10,000	N	N	N	20	70
8D014M5	35 32 19	80 8 21	10.0	.10	.20	>2.00	>10,000	N	N	N	20	70
8D015M5	35 32 24	80 9 51	10.0	.15	.70	>2.00	>10,000	N	N	N	20	100
8D016M5	35 34 2	80 9 10	10.0	.10	.30	>2.00	>10,000	N	N	N	20	70
8D016M5	35 34 2	80 9 10	20.0	.10	.20	>2.00	7,000	N	N	N	20	<50
8D016M5	35 34 2	80 9 10	20.0	.20	.20	>2.00	10,000	N	N	N	<20	<50
8D017M5	35 34 42	80 7 28	10.0	.10	1.50	>2.00	>10,000	N	N	N	20	70
8D017M5	35 34 42	80 7 28	20.0	.15	.20	>2.00	10,000	N	N	N	<20	50
8D017M5	35 34 42	80 7 28	20.0	.15	1.00	>2.00	10,000	N	N	N	<20	<50
8D018M5	35 34 37	80 5 25	10.0	.10	1.00	>2.00	>10,000	N	N	N	20	70
8D018M5	35 34 37	80 5 25	20.0	.15	.20	>2.00	7,000	N	N	N	50	50
8D018M5	35 34 37	80 5 25	20.0	.10	.70	>2.00	10,000	N	N	N	<20	<50
8D019M5	35 34 3	80 4 42	10.0	.50	1.00	>2.00	>10,000	N	N	N	20	50
8D019M5	35 34 3	80 4 42	20.0	1.00	1.00	>2.00	10,000	N	N	N	<20	<50
8D020M5	35 36 57	80 8 21	10.0	.15	1.50	>2.00	>10,000	N	N	N	20	100
8D020M5	35 36 57	80 8 21	15.0	.20	1.00	>2.00	10,000	N	N	N	<20	50
8D021M5	35 34 25	80 12 55	10.0	.20	.30	>2.00	>10,000	N	N	N	30	50
8D021M5	35 34 25	80 12 55	20.0	.30	.10	>2.00	5,000	N	N	N	20	50
8D022M5	35 34 19	80 14 41	10.0	.15	.50	>2.00	10,000	N	N	N	20	50
8D022M5	35 34 19	80 14 41	20.0	.20	.50	>2.00	7,000	N	N	N	<20	50
8D023M5	35 32 40	80 14 26	10.0	.07	.30	>2.00	>10,000	N	N	N	30	50
8D023M5	35 32 40	80 14 26	20.0	.10	.10	>2.00	7,000	N	N	N	<20	<50
8D024M5	35 37 9	80 4 34	10.0	.20	1.00	>2.00	>10,000	N	N	N	20	50
8D024M5	35 37 9	80 4 34	15.0	.50	.70	>2.00	10,000	N	N	N	<20	50
8D025M5	35 37 45	80 4 38	10.0	.70	2.00	>2.00	10,000	N	N	N	20	100
8D025M5	35 37 45	80 4 38	20.0	.70	.70	>2.00	7,000	N	N	N	20	100
8D026M5	35 38 41	80 4 3	10.0	.20	1.50	>2.00	>10,000	N	N	N	20	150
8D026M5	35 38 41	80 4 3	20.0	.20	.70	>2.00	7,000	N	N	N	20	100
8D027M5	35 39 56	80 2 45	10.0	.20	2.00	>2.00	>10,000	N	N	N	20	70
8D027M5	35 39 56	80 2 45	15.0	.20	1.50	>2.00	10,000	N	N	N	20	50
8D028M5	35 40 30	80 3 40	10.0	.15	.50	>2.00	>10,000	N	N	N	20	70
8D028M5	35 40 30	80 3 40	20.0	.10	.30	>2.00	10,000	N	N	N	<20	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C1--Continued						
8D006M5	<2	N	N	70	500	30	100	N	150	30	20
8D007M5	<2	N	N	70	700	50	N	N	70	<10	20
8D007M5	N	N	N	70	500	70	N	N	150	30	20
8D008M5	7	N	N	50	300	70	N	N	70	<10	30
8D008M5	5	N	N	50	300	100	N	N	100	50	20
8D009M5	<2	N	N	50	300	50	N	N	70	<10	<20
8D009M5	N	N	N	70	500	50	N	N	150	30	30
8D010M5	<2	N	N	70	1,000	50	N	N	70	<10	30
8D010M5	N	N	N	70	700	50	N	N	150	30	20
8D011M5	5	N	N	70	500	50	N	N	50	<10	30
8D011M5	5	N	N	70	300	30	N	N	100	50	30
8D012M5	2	N	N	100	1,000	70	N	N	50	<10	30
8D012M5	2	N	N	100	500	50	N	N	100	50	50
8D013M5	<2	N	N	50	500	30	N	N	50	<10	30
8D014M5	2	N	N	100	700	30	N	N	50	<10	30
8D015M5	3	N	N	70	700	30	N	N	50	<10	50
8D016M5	<2	N	N	30	2,000	20	N	N	50	<10	30
8D016M5	N	N	N	50	500	30	N	N	150	30	30
8D016M5	N	N	N	50	1,000	20	N	N	100	50	30
8D017M5	<2	N	N	50	1,000	30	N	N	50	<10	50
8D017M5	<2	N	N	100	500	50	N	N	100	30	30
8D017M5	N	N	N	50	500	20	N	N	100	30	50
8D018M5	<2	N	N	70	700	50	N	N	70	<10	30
8D018M5	3	N	N	50	300	30	N	N	100	30	50
8D018M5	N	N	N	70	300	70	N	N	100	20	50
8D019M5	<2	N	N	50	1,000	30	N	N	50	<10	20
8D019M5	N	N	N	70	500	50	N	N	100	50	50
8D020M5	<2	N	N	50	1,000	70	N	N	50	<10	50
8D020M5	N	N	N	50	500	50	N	N	100	30	50
8D021M5	<2	N	N	70	2,000	15	N	N	50	<10	30
8D021M5	N	N	N	70	500	20	50	N	70	50	30
8D022M5	<2	N	N	70	700	30	N	N	50	<10	30
8D022M5	N	N	N	70	300	70	N	N	100	30	50
8D023M5	<2	N	N	70	1,000	10	N	N	50	<10	50
8D023M5	N	N	N	100	300	20	<50	N	100	20	30
8D024M5	<2	N	N	70	700	50	N	N	50	<10	20
8D024M5	N	N	N	100	500	100	N	N	100	50	30
8D025M5	3	N	N	50	500	70	N	N	50	<10	30
8D025M5	3	N	N	70	500	70	N	N	100	70	50
8D026M5	2	N	N	70	700	50	N	N	50	<10	20
8D026M5	2	N	N	150	500	100	N	N	100	70	20
8D027M5	<2	N	N	50	300	50	N	N	50	<10	20
8D027M5	N	N	N	50	300	70	N	N	100	20	30
8D028M5	<2	N	N	50	300	30	N	N	50	<10	20
8D028M5	N	N	N	70	500	50	N	N	150	20	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C1--Continued					
8D006M5	N	20	N	N	200	N	20	700	150	N
8D007M5	N	50	N	N	300	N	30	1,000	200	N
8D007M5	N	20	N	N	200	N	70	700	200	N
8D008M5	N	20	N	N	100	N	30	500	100	N
8D008M5	N	15	N	N	100	N	30	N	150	N
8D009M5	N	15	N	N	150	N	30	1,000	100	N
8D009M5	N	10	N	N	70	N	20	700	100	N
8D010M5	N	20	N	N	100	N	30	<500	100	N
8D010M5	N	20	N	N	100	N	20	700	150	N
8D011M5	N	20	N	N	200	N	30	<500	100	N
8D011M5	N	20	N	N	200	N	20	<500	100	N
8D012M5	N	20	N	N	200	N	30	1,000	100	N
8D012M5	N	20	N	N	300	N	20	500	150	N
8D013M5	N	30	N	N	200	N	30	1,000	150	N
8D014M5	N	50	N	N	200	N	50	1,000	100	N
8D015M5	N	70	N	<200	200	N	70	2,000	150	N
8D016M5	N	30	N	N	150	N	50	2,000	100	N
8D016M5	N	10	N	N	200	N	30	500	150	N
8D016M5	N	15	N	N	200	N	100	700	200	N
8D017M5	N	50	N	200	200	N	70	1,000	150	N
8D017M5	N	20	N	N	200	N	30	1,000	200	N
8D017M5	N	20	N	300	200	N	30	500	150	N
8D018M5	N	30	N	200	200	N	50	1,000	150	N
8D018M5	N	30	N	N	200	N	20	700	200	N
8D018M5	N	20	N	200	200	N	70	500	150	N
8D019M5	N	30	N	200	200	N	100	1,000	100	N
8D019M5	N	20	N	200	200	N	30	500	200	N
8D020M5	N	70	N	200	300	N	100	2,000	100	N
8D020M5	N	30	N	200	300	N	30	700	200	N
8D021M5	N	50	N	N	200	N	150	500	200	N
8D021M5	N	20	N	N	200	N	100	700	200	N
8D022M5	N	30	N	N	200	N	100	700	200	N
8D022M5	N	20	N	N	300	N	30	700	200	N
8D023M5	N	50	N	N	200	N	50	1,000	200	N
8D023M5	N	20	N	N	200	N	50	1,000	200	N
8D024M5	N	50	N	<200	200	N	50	1,000	300	N
8D024M5	N	50	N	<200	200	N	30	500	200	N
8D025M5	N	50	N	200	300	N	30	700	150	N
8D025M5	N	30	N	<200	300	N	30	500	150	N
8D026M5	N	50	N	<200	300	N	50	1,000	200	N
8D026M5	N	20	N	200	300	N	30	500	100	N
8D027M5	N	30	N	200	200	N	50	700	200	N
8D027M5	N	20	N	300	200	N	50	500	100	N
8D028M5	N	20	N	N	100	N	30	1,000	200	N
8D028M5	N	10	N	N	100	N	30	700	100	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C1--Continued							
8D029M5	35 42 49	80 2 35	10.0	.20	1.50	>2.00	>10,000	N	N	N	20	100
8D029M5	35 42 49	80 2 35	20.0	.15	1.00	>2.00	10,000	N	N	N	<20	50
8D030M5	35 43 34	80 2 0	10.0	.15	1.50	>2.00	>10,000	N	N	N	20	70
8D030M5	35 43 34	80 2 0	15.0	.15	1.50	>2.00	7,000	N	N	N	<20	70
8D031M5	35 43 47	80 0 15	10.0	.15	.70	>2.00	>10,000	N	N	N	20	70
8D031M5	35 43 47	80 0 15	20.0	.15	.30	>2.00	10,000	N	N	N	<20	50
8D032M5	35 44 51	80 3 27	10.0	.15	.50	>2.00	>10,000	N	N	N	20	100
8D032M5	35 44 51	80 3 27	20.0	.15	.20	>2.00	10,000	N	N	N	<20	70
8D033M5	35 37 5	80 1 31	10.0	.10	.30	>2.00	>10,000	N	N	N	20	70
8D033M5	35 37 5	80 1 31	20.0	.10	.20	>2.00	10,000	N	N	N	20	<50
8D034M5	35 37 0	80 1 24	10.0	.70	2.00	>2.00	>10,000	N	N	N	20	100
8D034M5	35 37 0	80 1 24	15.0	1.50	2.00	>2.00	7,000	N	N	N	<20	50
8D035M5	35 41 42	80 6 0	10.0	.05	.30	>2.00	>10,000	N	N	N	20	100
8D035M5	35 41 42	80 6 0	20.0	.07	.15	>2.00	10,000	N	N	N	<20	50
8D036M5	35 41 42	80 6 40	10.0	.50	5.00	2.00	5,000	N	N	N	20	70
8D036M5	35 41 42	80 6 40	20.0	.50	3.00	1.00	3,000	N	N	N	20	50
8D037M5	35 40 46	80 6 47	10.0	.15	3.00	>2.00	>10,000	N	N	N	20	100
8D037M5	35 40 46	80 6 47	20.0	.10	1.00	>2.00	10,000	N	N	N	<20	50
8D038M5	35 39 37	80 7 33	7.0	.15	5.00	>2.00	10,000	N	N	N	20	50
8D038M5	35 39 37	80 7 33	20.0	.20	3.00	>2.00	7,000	N	N	N	20	50
8D039M5	35 38 54	80 7 22	10.0	.10	.10	>2.00	>10,000	N	N	N	20	70
8D039M5	35 38 54	80 7 22	20.0	.10	<.10	>2.00	10,000	N	N	N	<20	50
8D040M5	35 39 1	80 9 59	10.0	.70	5.00	>2.00	5,000	N	N	N	20	100
8D040M5	35 39 1	80 9 59	30.0	.70	3.00	1.50	5,000	N	N	N	<20	70
8D041M5	35 41 34	80 8 36	10.0	.30	5.00	>2.00	>10,000	N	N	N	20	100
8D041M5	35 41 34	80 8 36	20.0	.20	2.00	>2.00	>10,000	N	N	N	20	50
8D042M5	35 39 2	80 12 25	10.0	.30	.70	>2.00	>10,000	N	N	N	50	100
8D042M5	35 39 2	80 12 25	20.0	.30	.20	>2.00	7,000	N	N	N	<20	70
8D043M5	35 39 2	80 14 6	10.0	.05	.50	>2.00	>10,000	N	N	N	20	100
8D043M5	35 39 2	80 14 6	20.0	.05	.30	>2.00	10,000	N	N	N	<20	50
8D044M5	35 40 32	80 13 27	10.0	.05	.15	>2.00	>10,000	N	N	N	20	100
8D044M5	35 40 32	80 13 27	20.0	.10	<.10	>2.00	10,000	N	N	N	<20	50
8D045M5	35 41 15	80 12 3	15.0	.07	.10	>2.00	>10,000	N	N	N	20	100
8D045M5	35 41 15	80 12 3	20.0	.10	<.10	>2.00	7,000	N	N	N	20	50
8D046M5	35 41 38	80 12 14	10.0	.07	.20	>2.00	>10,000	N	N	N	20	100
8D046M5	35 41 38	80 12 14	20.0	.10	.15	>2.00	10,000	N	N	N	<20	50
8D047M5	35 42 22	80 12 13	10.0	.07	.70	>2.00	>10,000	5.0	N	N	20	50
8D047M5	35 42 22	80 12 13	20.0	.10	.70	>2.00	10,000	N	N	N	<20	<50
8D048M5	35 43 37	80 10 6	10.0	.30	7.00	>2.00	7,000	N	N	N	20	70
8D048M5	35 43 37	80 10 6	15.0	.50	5.00	2.00	5,000	N	N	N	<20	50
8D049M5	35 44 0	80 11 30	10.0	.50	5.00	>2.00	7,000	N	N	N	20	50
8D049M5	35 44 0	80 11 30	20.0	.50	3.00	2.00	5,000	N	N	N	<20	70
8D050M5	35 43 54	80 14 2	10.0	.20	1.50	>2.00	10,000	N	N	N	20	50
8D050M5	35 43 54	80 14 2	30.0	.20	1.00	>2.00	5,000	N	N	N	<20	50
8D051M5	35 43 16	80 14 40	10.0	.30	1.50	>2.00	>10,000	7.0	N	N	20	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C1--Continued						
8D029M5	<2	N	N	70	300	50	N	N	50	<10	30
8D029M5	N	N	N	70	150	50	N	N	150	20	20
8D030M5	<2	N	N	50	300	50	N	N	50	<10	20
8D030M5	N	N	N	50	300	50	N	N	100	30	20
8D031M5	<2	N	N	50	150	50	N	N	50	<10	<20
8D031M5	N	N	N	50	70	50	N	N	150	20	<20
8D032M5	<2	N	N	30	500	50	N	N	50	<10	20
8D032M5	N	N	N	50	100	50	N	N	100	20	20
8D033M5	<2	N	N	70	70	50	N	N	50	<10	20
8D033M5	N	N	N	70	70	50	N	N	150	20	20
8D034M5	<2	N	N	70	300	50	N	N	50	<10	20
8D034M5	<2	N	N	70	200	70	N	N	50	50	20
8D035M5	<2	N	N	50	700	20	N	N	50	<10	30
8D035M5	N	N	N	50	300	30	150	N	150	20	50
8D036M5	2	N	N	50	1,000	100	N	N	<50	50	30
8D036M5	2	N	N	50	700	100	50	N	N	50	30
8D037M5	<2	N	N	30	300	70	N	N	50	<10	70
8D037M5	N	N	N	50	200	100	<50	N	100	15	100
8D038M5	<2	N	N	20	700	100	100	N	50	<10	50
8D038M5	N	N	N	20	300	100	200	10	70	20	100
8D039M5	<2	N	N	70	700	20	70	N	50	<10	20
8D039M5	N	N	N	50	150	20	N	N	150	20	20
8D040M5	3	N	N	70	700	70	N	N	<50	50	30
8D040M5	3	N	N	70	500	100	N	N	<50	50	30
8D041M5	<2	N	N	50	1,000	30	N	N	50	<10	100
8D041M5	2	N	N	30	300	50	100	15	70	30	70
8D042M5	2	N	N	100	700	50	N	N	50	30	70
8D042M5	2	N	N	150	200	150	N	N	1,000	100	50
8D043M5	<2	N	N	50	200	30	N	N	50	<10	30
8D043M5	N	N	N	50	70	50	N	N	150	10	30
8D044M5	<2	N	N	50	200	30	N	N	50	<10	30
8D044M5	N	N	N	50	70	30	N	N	150	20	20
8D045M5	<2	N	N	70	1,000	30	N	N	50	<10	30
8D045M5	N	N	N	70	500	20	N	N	150	20	30
8D046M5	<2	N	N	30	700	30	N	N	50	<10	50
8D046M5	N	N	N	70	200	30	N	N	150	20	50
8D047M5	<2	N	N	70	700	30	N	N	50	<10	100
8D047M5	N	N	N	100	500	100	N	N	150	50	150
8D048M5	2	N	N	100	1,000	70	N	N	<50	50	30
8D048M5	N	N	N	100	700	100	N	N	<50	50	20
8D049M5	<2	N	N	50	1,000	50	N	N	50	<10	50
8D049M5	N	N	N	50	500	50	N	N	50	30	30
8D050M5	<2	N	N	150	5,000	50	N	N	50	<10	30
8D050M5	N	N	N	200	2,000	100	N	N	70	50	30
8D051M5	<2	50	N	100	2,000	70	N	N	<50	<10	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C1--Continued					
8D029M5	N	50	N	200	150	N	70	1,000	200	N
8D029M5	N	20	N	200	150	N	50	500	100	N
8D030M5	N	50	N	300	200	N	50	700	200	N
8D030M5	N	20	N	500	200	N	30	<500	70	N
8D031M5	N	20	N	N	100	N	30	1,000	200	N
8D031M5	N	15	N	N	70	N	30	500	70	N
8D032M5	N	20	N	N	150	N	30	700	200	N
8D032M5	N	10	N	N	150	N	30	500	100	N
8D033M5	N	15	N	N	70	N	30	1,000	200	N
8D033M5	N	10	N	N	70	N	30	700	100	N
8D034M5	N	50	N	200	200	N	50	700	200	N
8D034M5	N	50	N	200	200	N	30	N	100	N
8D035M5	N	20	N	N	100	N	50	1,000	300	N
8D035M5	N	10	N	N	70	N	20	700	100	N
8D036M5	N	70	N	500	700	N	100	N	100	N
8D036M5	N	50	N	700	1,000	N	50	N	100	N
8D037M5	N	70	N	500	150	N	100	1,000	100	N
8D037M5	N	70	N	300	200	N	100	<500	100	N
8D038M5	N	50	N	500	200	N	1,000	700	100	N
8D038M5	N	50	N	500	300	N	300	N	100	N
8D039M5	N	30	N	N	150	N	30	1,000	150	N
8D039M5	N	15	N	N	150	N	20	700	150	N
8D040M5	N	70	N	500	700	N	70	<500	100	N
8D040M5	N	50	N	500	700	N	70	N	100	N
8D041M5	N	70	N	300	200	N	70	700	150	N
8D041M5	N	30	N	300	200	N	100	N	200	N
8D042M5	N	30	N	N	150	N	50	1,000	200	N
8D042M5	N	15	N	N	150	N	100	N	150	N
8D043M5	N	20	N	N	100	N	30	1,000	200	N
8D043M5	N	10	N	N	100	N	20	700	100	N
8D044M5	N	20	N	N	100	N	50	1,000	300	N
8D044M5	N	10	N	N	70	N	20	500	100	N
8D045M5	N	30	N	N	150	N	30	1,000	300	N
8D045M5	N	10	N	N	150	N	20	700	100	N
8D046M5	N	50	N	N	150	N	50	1,000	200	N
8D046M5	N	15	N	N	100	N	50	700	100	N
8D047M5	N	50	N	200	150	N	50	1,000	200	N
8D047M5	N	20	N	<200	200	N	70	1,000	100	N
8D048M5	N	100	N	700	500	N	50	1,000	50	N
8D048M5	N	70	N	700	500	N	70	N	100	N
8D049M5	N	100	N	500	500	N	100	700	70	N
8D049M5	N	50	N	500	500	N	100	N	70	N
8D050M5	N	30	N	300	200	N	200	1,000	300	N
8D050M5	N	20	N	200	300	N	700	700	500	N
8D051M5	N	50	N	300	300	N	30	1,000	100	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C1--Continued							
8D051M5	35 43 16	80 14 40	20.0	.30	2.00	>2.00	7,000	7.0	N	N	<20	70
8D052M5	35 43 25	80 7 0	5.0	.20	3.00	>2.00	>10,000	15.0	N	N	20	50
8D052M5	35 43 25	80 7 0	5.0	.20	3.00	.70	>10,000	N	N	N	<20	50
8D053M5	35 44 40	80 4 52	10.0	.20	2.00	>2.00	>10,000	N	N	N	20	50
8D053M5	35 44 40	80 4 52	20.0	.20	1.00	>2.00	10,000	N	N	N	<20	70
8D054M5	35 43 51	80 8 3	10.0	.15	2.00	>2.00	10,000	N	N	N	20	200
8D054M5	35 43 51	80 8 3	30.0	.15	1.00	1.00	5,000	N	N	N	20	200
8D055M5	35 43 43	80 8 52	10.0	.15	2.00	2.00	5,000	N	N	N	20	100
8D055M5	35 43 43	80 8 52	20.0	.15	1.50	.70	3,000	N	N	N	<20	100
					C2							
8GH001M5	35 30 27	80 20 33	30.0	.20	.30	>2.00	>10,000	7.0	N	N	<20	500
8GH002M5	35 30 48	80 21 12	20.0	.30	.20	>2.00	>10,000	N	N	N	20	200
8GH003M5	35 30 50	80 21 14	20.0	.20	1.00	>2.00	>10,000	N	N	N	<20	100
8GH004M5	35 30 53	80 21 46	10.0	.50	10.00	>2.00	7,000	N	N	N	20	200
8GH008M5	35 33 57	80 21 9	20.0	.05	<.10	>2.00	>10,000	N	N	N	<20	150
8GH009M5	35 33 58	80 17 53	20.0	.50	.20	>2.00	10,000	N	N	N	20	100
8GH010M5	35 35 8	80 17 21	20.0	.20	.50	>2.00	>10,000	N	N	N	20	100
8GH011M5	35 35 23	80 16 32	20.0	1.00	1.00	>2.00	>10,000	N	N	N	50	150
8GH012M5	35 34 4	80 15 47	20.0	.70	1.00	>2.00	10,000	N	N	N	50	200
8GH013M5	35 30 47	80 16 38	20.0	1.50	1.00	>2.00	>10,000	N	N	N	20	150
8GH014M5	35 30 42	80 15 42	20.0	1.50	1.50	>2.00	>10,000	N	N	N	30	150
8GH015M5	35 32 49	80 16 39	20.0	.15	.10	>2.00	>10,000	N	N	N	20	200
8GH017M5	35 35 16	80 21 34	20.0	.30	1.00	>2.00	>10,000	N	N	N	<20	200
8GH018M5	35 36 29	80 20 14	20.0	.15	1.00	>2.00	>10,000	N	N	N	20	200
8GH019M5	35 37 7	80 18 34	20.0	.20	2.00	>2.00	>10,000	N	N	N	20	200
8GH020M5	35 33 19	80 19 46	20.0	.20	2.00	>2.00	>10,000	N	N	N	20	150
8GH021M5	35 34 30	80 19 17	20.0	.20	1.00	>2.00	>10,000	N	N	N	20	300
8GH022M5	35 34 13	80 18 11	20.0	.30	.70	>2.00	>10,000	N	N	N	<20	200
8GH023M5	35 33 26	80 18 35	20.0	.20	.20	>2.00	>10,000	N	N	N	20	200
8GH024M5	35 31 25	80 17 46	20.0	1.50	1.50	>2.00	>10,000	N	N	N	20	200
8LT002M5	35 45 0	80 20 54	30.0	.20	<.10	>2.00	7,000	N	N	N	<20	N
8RC001M5	35 35 20	80 29 59	10.0	.10	.50	>2.00	>10,000	N	N	N	<20	50
8RC002M5	35 35 35	80 29 13	10.0	.10	.50	>2.00	>10,000	N	N	N	<20	100
8RC003M5	35 34 59	80 29 57	10.0	.15	.50	>2.00	>10,000	N	N	N	<20	70
8RC004M5	35 35 15	80 28 55	10.0	.10	.30	>2.00	>10,000	N	N	N	<20	<50
8RC005M5	35 33 31	80 27 33	10.0	.07	.30	>2.00	>10,000	N	N	N	<20	<50
8RC006M5	35 32 9	80 26 57	10.0	.50	.50	>2.00	>10,000	N	N	N	<20	50
8RC007M5	35 31 53	80 27 24	10.0	.50	.70	>2.00	>10,000	N	N	N	<20	<50
8RC008M5	35 32 3	80 28 15	15.0	.05	.50	>2.00	>10,000	N	N	N	<20	<50
8RC009M5	35 31 5	80 29 42	20.0	.50	1.00	>2.00	>10,000	N	N	N	<20	70

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C1--Continued						
8D051M5	N	N	N	100	2,000	70	N	N	70	50	50
8D052M5	<2	N	N	10	300	20	N	N	<50	30	200
8D052M5	N	N	N	<10	100	20	N	N	N	<10	70
8D053M5	<2	N	N	50	300	50	N	N	50	<10	30
8D053M5	N	N	N	50	200	100	N	N	70	20	20
8D054M5	5	N	N	50	1,000	70	N	N	<50	50	30
8D054M5	3	N	N	70	1,000	100	N	N	N	100	20
8D055M5	5	N	N	50	700	70	N	N	<50	50	30
8D055M5	3	N	N	70	700	100	N	N	N	70	20
					C2--Continued						
8GH001M5	<2	1,000	N	70	2,000	2,000	N	N	50	<10	500
8GH002M5	<2	200	N	50	1,500	1,500	N	N	100	<10	500
8GH003M5	<2	100	N	50	7,000	200	N	N	100	<10	100
8GH004M5	<2	N	N	150	500	200	N	N	50	<10	70
8GH008M5	<2	N	N	50	700	150	300	N	200	<10	50
8GH009M5	<2	N	N	70	3,000	50	<50	N	50	20	50
8GH010M5	<2	N	N	70	5,000	200	<50	N	50	<10	70
8GH011M5	2	N	N	70	2,000	200	<50	N	100	<10	70
8GH012M5	2	N	N	100	3,000	200	<50	N	50	<10	50
8GH013M5	<2	N	N	100	3,000	200	<50	N	100	<10	100
8GH014M5	<2	N	N	100	3,000	150	<50	N	70	<10	70
8GH015M5	<2	N	N	100	1,000	200	<50	N	70	<10	50
8GH017M5	<2	N	N	100	5,000	200	<50	N	70	<10	<20
8GH018M5	<2	N	N	150	10,000	200	<50	N	70	<10	<20
8GH019M5	<2	N	N	50	>10,000	150	<50	N	50	<10	50
8GH020M5	<2	N	N	70	3,000	200	<50	N	150	<10	200
8GH021M5	<2	N	N	70	10,000	200	<50	N	500	<10	100
8GH022M5	<2	N	N	70	5,000	200	<50	N	100	<10	70
8GH023M5	<2	N	N	100	3,000	200	<50	N	100	<10	100
8GH024M5	<2	N	N	70	3,000	150	<50	N	70	<10	100
8LT002M5	N	N	N	50	150	15	N	N	100	20	<20
8RC001M5	<2	N	N	150	3,000	30	N	N	<50	<10	30
8RC002M5	<2	N	N	150	2,000	30	N	N	50	<10	50
8RC003M5	<2	N	N	150	3,000	50	N	N	100	<10	50
8RC004M5	<2	N	N	100	700	70	N	N	200	<10	50
8RC005M5	<2	N	N	200	500	50	N	N	150	<10	100
8RC006M5	<2	N	N	300	1,000	70	N	N	500	<10	50
8RC007M5	<2	N	N	200	1,500	70	N	N	1,500	<10	50
8RC008M5	5	N	N	50	500	50	N	N	2,000	<10	50
8RC009M5	<2	N	N	200	5,000	50	N	N	2,000	<10	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C1--Continued					
8D051M5	N	30	N	300	300	N	70	500	100	N
8D052M5	N	150	N	<200	300	N	150	N	70	N
8D052M5	N	70	N	N	500	N	200	N	70	N
8D053M5	N	50	N	<200	200	N	30	700	100	N
8D053M5	N	30	N	200	500	N	30	N	200	N
8D054M5	N	30	N	200	500	N	30	N	100	N
8D054M5	N	30	N	200	700	N	50	N	150	N
8D055M5	N	30	N	200	700	N	30	N	70	N
8D055M5	N	30	N	200	1,000	N	30	N	100	N
					C2--Continued					
8GH001M5	N	20	N	N	200	N	700	3,000	100	N
8GH002M5	N	20	N	N	200	N	1,500	5,000	500	N
8GH003M5	N	30	N	200	300	N	300	2,000	1,000	N
8GH004M5	N	50	N	1,000	700	N	50	N	700	N
8GH008M5	N	30	N	N	200	N	500	700	>2,000	N
8GH009M5	N	50	N	N	200	N	200	1,000	200	N
8GH010M5	N	70	N	N	200	N	100	1,000	500	N
8GH011M5	N	100	N	<200	200	N	100	1,000	500	N
8GH012M5	N	100	N	<200	300	N	150	1,000	700	N
8GH013M5	N	150	N	N	150	N	150	1,000	1,000	N
8GH014M5	N	150	N	N	200	N	500	1,000	700	N
8GH015M5	N	70	N	N	200	N	150	1,000	500	N
8GH017M5	N	100	N	<200	200	N	150	1,000	700	N
8GH018M5	N	70	N	200	200	N	100	1,500	500	N
8GH019M5	N	100	N	700	300	N	500	1,500	500	N
8GH020M5	N	100	N	200	300	N	700	1,000	700	N
8GH021M5	N	100	N	<200	200	N	300	1,500	1,000	N
8GH022M5	N	100	N	N	200	N	200	1,000	700	N
8GH023M5	N	70	N	N	200	N	200	1,000	700	N
8GH024M5	N	100	N	N	200	N	150	1,000	500	N
8LT002M5	N	30	N	N	300	N	30	N	150	N
8RC001M5	N	50	N	N	150	N	100	5,000	20	N
8RC002M5	N	50	N	N	100	N	100	5,000	20	N
8RC003M5	N	50	N	N	100	N	150	5,000	20	N
8RC004M5	N	30	N	N	150	N	150	5,000	20	N
8RC005M5	N	70	50	N	100	N	700	7,000	20	N
8RC006M5	N	100	50	N	150	N	500	5,000	20	N
8RC007M5	N	150	70	N	150	N	700	5,000	20	N
8RC008M5	N	100	200	N	100	N	1,000	10,000	20	N
8RC009M5	N	100	70	N	200	N	1,000	10,000	20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C2--Continued							
8RC010M5	35 30 15	80 29 47	20.0	.20	.70	>2.00	>10,000	N	N	N	<20	50
8RC011M5	35 31 23	80 26 26	15.0	.30	1.00	>2.00	>10,000	N	N	N	<20	50
8RC012M5	35 36 39	80 27 59	20.0	.20	.70	>2.00	>10,000	N	N	N	<20	<50
8RC013M5	35 36 43	80 28 0	20.0	.20	.70	>2.00	>10,000	N	N	N	<20	100
8RC014M5	35 36 0	80 27 59	20.0	.15	.50	>2.00	>10,000	N	N	N	<20	70
8RC015M5	35 33 30	80 26 30	15.0	.30	1.50	>2.00	>10,000	N	N	N	20	50
8RC016M5	35 32 59	80 25 32	15.0	1.00	1.00	>2.00	>10,000	N	N	N	20	50
8RC017M5	35 32 15	80 24 48	20.0	.20	.70	>2.00	>10,000	N	N	N	<20	50
8RC018M5	35 31 49	80 25 7	15.0	.20	.70	>2.00	>10,000	N	N	N	20	50
8RC019M5	35 31 14	80 25 29	15.0	.30	.70	>2.00	>10,000	N	N	N	<20	<50
8RC020M5	35 31 11	80 24 29	15.0	.20	.70	>2.00	>10,000	N	N	N	<20	<50
8RC021M5	35 32 31	80 22 29	20.0	.30	.70	>2.00	>10,000	N	N	N	<20	<50
8RC022M5	35 31 12	80 23 24	20.0	.15	1.00	>2.00	>10,000	N	N	N	<20	50
8RC023M5	35 33 59	80 24 4	20.0	.30	.70	>2.00	>10,000	N	N	N	<20	<50
8RC024M5	35 34 57	80 25 52	15.0	.15	.50	>2.00	>10,000	N	N	N	<20	50
8RC025M5	35 35 22	80 26 18	20.0	.15	.70	>2.00	>10,000	N	N	N	<20	50
8RC026M5	35 37 13	80 24 3	20.0	.30	1.50	>2.00	>10,000	N	N	N	<20	100
8RC027M5	35 36 58	80 23 28	20.0	.15	1.00	>2.00	>10,000	N	N	N	<20	50
8RC028M5	35 35 50	80 23 57	20.0	.20	1.00	>2.00	>10,000	N	N	N	<20	100
8RC029M5	35 36 39	80 23 58	20.0	.15	.10	>2.00	>10,000	N	N	N	<20	<50
8RC030M5	35 34 4	80 22 47	20.0	.20	1.50	>2.00	>10,000	N	N	N	<20	100
8RC031M5	35 33 48	80 22 56	20.0	.70	1.50	>2.00	>10,000	N	N	<50	<20	50
8RC032M5	35 33 48	80 22 59	20.0	.50	1.50	>2.00	>10,000	N	N	N	<20	100
8SA001M5	35 42 15	80 28 52	20.0	.30	1.50	>2.00	>10,000	N	N	N	20	70
8SA002M5	35 44 21	80 28 56	20.0	1.50	2.00	2.00	3,000	N	N	N	20	100
8SA003M5	35 44 51	80 28 27	20.0	5.00	10.00	2.00	5,000	N	N	N	20	300
8SA004M5	35 43 1	80 26 6	20.0	.30	.50	>2.00	7,000	N	N	N	<20	100
8SA005M5	35 42 37	80 27 12	20.0	.50	.50	>2.00	7,000	N	N	N	<20	100
8SA005M5	35 42 37	80 27 12	20.0	.70	.70	>2.00	10,000	N	N	N	20	150
8SA006M5	35 41 45	80 28 17	20.0	1.00	1.50	>2.00	10,000	N	N	N	20	100
8SA007M5	35 40 59	80 28 40	15.0	.70	1.50	>2.00	10,000	N	N	N	20	200
8SA008M5	35 42 5	80 25 54	15.0	.70	1.00	>2.00	10,000	10.0	N	N	20	200
8SA009M5	35 43 52	80 23 28	20.0	.50	.70	>2.00	10,000	N	N	N	<20	200
8SA010M5	35 43 51	80 24 24	20.0	2.00	2.00	>2.00	10,000	N	N	N	20	150
8SA011M5	35 44 26	80 26 7	30.0	.20	.70	>2.00	3,000	N	N	N	20	50
8SA012M5	35 42 7	80 23 58	10.0	.20	1.50	>2.00	>10,000	N	N	N	20	200
8SA013M5	35 38 10	80 23 44	20.0	.30	1.00	>2.00	>10,000	N	N	N	<20	150
8SA013M5	35 39 24	80 23 48	15.0	1.00	2.00	>2.00	>10,000	N	N	N	50	100
8SA014M5	35 38 53	80 25 59	20.0	.30	1.00	>2.00	>10,000	N	N	N	20	150
8SA015M5	35 37 35	80 27 30	20.0	.10	.10	>2.00	>10,000	N	N	N	20	100
8SA016M5	35 37 51	80 29 36	50.0	.07	.20	>2.00	7,000	N	N	N	<20	100
8SM001M5	35 43 59	80 16 41	30.0	.50	<.10	>2.00	5,000	N	N	N	<20	50
8SM002M5	35 41 38	80 18 30	30.0	.30	.10	>2.00	7,000	N	N	N	<20	50
8SM004M5	35 37 52	80 20 54	20.0	.15	.15	>2.00	>10,000	N	N	N	N	N
8SM005M5	35 42 1	80 20 47	30.0	.20	.10	>2.00	10,000	N	N	N	N	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C2--Continued						
8RC010M5	<2	N	N	200	3,000	50	N	N	1,000	<10	30
8RC011M5	<2	N	N	200	1,500	70	N	N	<50	<10	20
8RC012M5	<2	N	N	150	1,000	70	N	N	<50	<10	20
8RC013M5	<2	N	N	200	3,000	50	N	N	100	<10	50
8RC014M5	5	N	N	200	3,000	50	100	N	150	<10	70
8RC015M5	<2	N	N	150	700	20	N	N	100	<10	50
8RC016M5	<2	N	N	200	1,000	70	N	N	50	<10	50
8RC017M5	<2	N	N	200	1,500	70	N	N	50	<10	20
8RC018M5	<2	N	N	200	2,000	50	N	N	200	<10	20
8RC019M5	<2	N	N	200	3,000	70	N	N	50	<10	30
8RC020M5	<2	N	N	200	3,000	70	N	N	50	<10	50
8RC021M5	<2	N	N	300	3,000	70	N	N	<50	<10	30
8RC022M5	<2	N	N	150	2,000	70	N	N	<50	<10	30
8RC023M5	<2	N	N	200	1,500	70	N	N	50	<10	30
8RC024M5	<2	N	N	200	1,000	20	N	N	300	<10	100
8RC025M5	<2	N	N	500	5,000	30	N	N	50	<10	50
8RC026M5	<2	N	N	500	>10,000	30	N	N	100	<10	70
8RC027M5	<2	N	N	500	5,000	20	N	N	70	<10	50
8RC028M5	<2	N	N	500	10,000	20	N	N	70	<10	50
8RC029M5	3	N	N	300	1,500	20	N	N	70	<10	150
8RC030M5	<2	N	N	1,000	10,000	50	100	N	<50	<10	100
8RC031M5	<2	N	N	500	5,000	50	N	N	50	<10	30
8RC032M5	<2	N	N	500	3,000	30	N	N	50	<10	50
8SA001M5	<2	N	N	50	700	150	N	N	500	<10	100
8SA002M5	5	N	N	50	700	10	N	N	50	50	50
8SA003M5	7	N	N	50	700	<10	100	N	50	150	100
8SA004M5	<2	N	N	70	700	50	N	N	70	<10	20
8SA005M5	<2	N	N	100	200	200	N	N	100	<10	<20
8SA005M5	<2	N	N	100	200	200	N	N	70	<10	20
8SA006M5	<2	N	N	100	200	200	N	N	70	20	70
8SA007M5	<2	N	N	100	70	200	N	N	50	<10	500
8SA008M5	<2	N	N	100	70	200	N	N	100	<10	200
8SA009M5	<2	N	N	100	70	150	N	N	70	<10	20
8SA010M5	5	N	N	70	500	10	N	N	100	50	70
8SA011M5	<2	N	N	50	1,000	<10	N	N	<50	30	30
8SA012M5	<2	N	N	70	2,000	15	200	N	50	<10	70
8SA013M5	3	N	N	100	10,000	200	N	N	700	<10	100
8SA013M5	<2	N	N	100	5,000	20	N	N	1,000	20	70
8SA014M5	<2	N	N	200	5,000	200	N	N	1,000	<10	150
8SA015M5	<2	N	N	200	2,000	200	N	N	50	<10	20
8SA016M5	<2	N	N	70	10,000	150	N	N	50	<10	<20
8SM001M5	N	N	N	70	150	15	N	N	100	30	20
8SM002M5	N	N	N	50	150	15	N	N	150	20	30
8SM004M5	N	N	N	70	500	50	N	N	100	20	20
8SM005M5	N	N	N	70	300	15	N	N	150	30	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C2--Continued					
8RC010M5	N	70	20	N	300	N	300	10,000	20	N
8RC011M5	N	70	20	N	200	N	100	7,000	20	N
8RC012M5	N	50	20	N	200	N	200	7,000	20	N
8RC013M5	N	70	20	N	150	N	1,000	7,000	20	N
8RC014M5	N	100	50	N	150	N	3,000	10,000	20	N
8RC015M5	N	70	70	N	150	N	200	5,000	20	N
8RC016M5	N	70	N	N	200	N	100	7,000	20	N
8RC017M5	N	50	N	N	200	N	100	7,000	20	N
8RC018M5	N	100	N	N	200	N	150	7,000	20	N
8RC019M5	N	70	N	N	200	N	70	7,000	20	N
8RC020M5	N	70	N	N	200	N	150	10,000	20	N
8RC021M5	N	70	N	N	200	N	50	7,000	20	N
8RC022M5	N	70	N	N	300	N	500	7,000	20	N
8RC023M5	N	50	N	N	150	N	70	7,000	20	N
8RC024M5	N	100	N	N	150	N	300	7,000	20	N
8RC025M5	N	100	N	N	200	N	50	5,000	20	N
8RC026M5	N	150	200	N	300	N	200	7,000	20	N
8RC027M5	N	100	N	N	300	N	100	7,000	20	N
8RC028M5	N	150	N	N	200	N	50	7,000	20	N
8RC029M5	N	150	N	N	150	N	2,000	10,000	20	N
8RC030M5	N	150	N	N	300	N	300	7,000	20	N
8RC031M5	N	150	N	N	300	N	150	7,000	20	N
8RC032M5	N	150	N	N	200	N	200	7,000	20	N
8SA001M5	N	200	N	300	500	N	300	500	>2,000	N
8SA002M5	N	100	N	700	700	N	50	<500	>2,000	N
8SA003M5	N	100	N	5,000	700	N	30	N	1,000	N
8SA004M5	N	50	N	N	700	N	70	1,500	300	N
8SA005M5	N	30	N	N	700	N	50	1,500	200	N
8SA005M5	N	50	N	N	700	N	50	1,500	500	N
8SA006M5	N	70	N	500	700	N	100	700	2,000	N
8SA007M5	N	50	50	200	300	N	70	700	300	N
8SA008M5	N	30	N	N	500	N	200	1,000	500	N
8SA009M5	N	30	N	N	500	N	100	1,000	300	N
8SA010M5	N	70	N	700	500	N	100	700	700	N
8SA011M5	N	20	N	200	700	N	20	700	2,000	N
8SA012M5	N	50	N	200	300	N	100	700	500	N
8SA013M5	N	70	N	200	300	N	1,500	2,000	1,000	N
8SA013M5	N	70	N	300	300	N	500	1,000	500	N
8SA014M5	N	70	N	N	200	N	1,000	200	1,000	N
8SA015M5	N	15	N	N	200	N	150	1,000	1,000	N
8SA016M5	N	10	N	N	1,500	N	<20	1,000	700	N
8SM001M5	N	30	N	N	300	N	20	1,000	70	N
8SM002M5	N	20	100	N	200	N	30	1,000	100	N
8SM004M5	N	20	N	N	300	N	100	1,000	100	N
8SM005M5	N	15	N	N	300	N	30	1,000	70	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C2--Continued							
8CC006M5	35 31 0	80 30 6	20.0	3.00	7.00	>2.00	10,000	N	N	N	20	50
8CC028M5	35 38 40	80 35 38	50.0	.30	3.00	>2.00	>10,000	N	N	N	<20	50
					C3							
8CG001M5	35 31 33	80 34 12	20.0	.15	.50	>2.00	10,000	N	N	N	N	70
8CG002M5	35 30 57	80 33 29	30.0	.20	1.00	>2.00	10,000	N	N	N	N	50
8CG003M5	35 30 18	80 33 36	30.0	.70	1.00	>2.00	>10,000	N	N	N	N	70
8CG004M5	35 30 56	80 34 36	30.0	1.50	1.00	>2.00	>10,000	N	N	N	N	70
8CG005M5	35 36 49	80 37 12	20.0	2.00	5.00	>2.00	10,000	N	N	N	70	70
8CG007M5	35 31 8	80 35 11	30.0	1.00	.70	>2.00	10,000	N	N	N	N	50
8CG008M5	35 31 15	80 35 5	30.0	.70	.30	>2.00	>10,000	N	N	N	N	50
8CG009M5	35 31 54	80 34 51	30.0	.30	.20	>2.00	>10,000	N	N	N	N	50
8CG010M5	35 32 30	80 34 13	20.0	5.00	5.00	>2.00	5,000	N	N	N	<20	100
8CG011M5	35 32 33	80 34 23	15.0	2.00	5.00	1.50	3,000	N	N	N	N	100
8CG012M5	35 32 31	80 34 30	20.0	1.00	.70	>2.00	7,000	N	N	N	N	50
8CG013M5	35 32 40	80 35 25	20.0	.50	.50	>2.00	10,000	N	N	N	N	50
8CG014M5	35 34 23	80 35 23	20.0	1.50	1.00	>2.00	10,000	N	N	N	20	70
8CG015M5	35 35 7	80 36 11	30.0	1.00	1.00	>2.00	10,000	N	N	N	<20	70
8CG016M5	35 35 26	80 36 35	20.0	.70	.70	>2.00	>10,000	N	N	N	N	50
8CG017M5	35 37 24	80 35 57	20.0	.70	2.00	>2.00	7,000	N	N	N	20	50
8CG018M5	35 36 22	80 34 31	30.0	1.00	1.00	>2.00	7,000	N	N	N	20	50
8CG019M5	35 35 34	80 35 12	30.0	1.00	1.50	>2.00	10,000	N	N	N	20	50
8CG020M5	35 35 19	80 35 1	20.0	2.00	2.00	>2.00	10,000	N	N	N	<20	100
8CG021M5	35 33 40	80 34 1	30.0	.30	.50	>2.00	>10,000	N	N	N	N	100
8CG022M5	35 33 14	80 34 8	20.0	.30	1.00	>2.00	10,000	N	N	N	N	70
8CG023M5	35 30 29	80 30 59	30.0	.30	.70	>2.00	>10,000	N	N	N	N	70
8CG024M5	35 30 51	80 30 48	20.0	.20	.50	>2.00	10,000	N	N	N	N	70
8CG025M5	35 32 2	80 30 36	20.0	.15	.30	>2.00	10,000	N	N	N	N	50
8CG026M5	35 32 10	80 30 54	30.0	.10	.30	>2.00	10,000	N	N	N	N	70
8CG027M5	35 31 43	80 31 42	30.0	.15	.30	>2.00	10,000	N	N	N	N	70
8CG028M5	35 32 36	80 32 5	30.0	.10	.20	>2.00	10,000	N	N	N	N	70
8CG029M5	35 32 35	80 32 2	20.0	.50	2.00	>2.00	10,000	N	N	N	<20	100
8CG030M5	35 34 37	80 30 5	30.0	.20	.20	>2.00	10,000	N	N	N	N	100
8CG031M5	35 35 37	80 31 54	20.0	.15	.30	>2.00	10,000	N	N	N	N	100
8CG032M5	35 35 13	80 32 42	20.0	.15	.30	>2.00	10,000	N	N	N	N	100
8CG033M5	35 35 58	80 32 5	20.0	.15	.20	>2.00	10,000	N	N	N	N	100
8CG034M5	35 36 53	80 33 11	20.0	2.00	1.50	>2.00	5,000	N	N	N	N	70
8CG035M5	35 37 21	80 30 56	20.0	.20	.50	>2.00	7,000	N	N	N	N	70
8CG036M5	35 33 56	80 30 3	20.0	.10	.20	>2.00	>10,000	N	N	N	N	50
8EN001M5	35 30 7	80 41 54	30.0	.20	.30	>2.00	7,000	N	N	N	<20	N
8EN002M5	35 30 38	80 44 15	10.0	1.50	10.00	.70	2,000	N	N	N	<20	N
8EN003M5	35 32 54	80 44 54	20.0	.30	.50	>2.00	7,000	N	N	N	<20	N
8EN004M5	35 31 1	80 41 18	30.0	.10	.10	>2.00	5,000	N	N	N	<20	N
8EN005M5	35 31 19	80 42 1	20.0	.20	.20	>2.00	10,000	N	N	N	<20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C2--Continued						
8CC006M5	<2	N	N	100	500	70	N	10	50	50	30
8CC028M5	N	N	N	100	3,000	30	N	N	70	50	50
					C3--Continued						
8CG001M5	2	N	N	100	5,000	30	N	N	150	20	30
8CG002M5	2	N	N	200	5,000	70	N	N	150	30	30
8CG003M5	<2	N	N	200	7,000	70	N	N	100	50	30
8CG004M5	3	N	N	100	500	50	N	N	1,000	30	50
8CG005M5	2	N	N	70	200	30	N	N	70	30	30
8CG007M5	3	N	N	100	200	70	150	N	2,000	30	50
8CG008M5	2	N	N	100	500	50	N	N	1,500	30	30
8CG009M5	<2	N	N	100	3,000	70	N	N	1,500	20	20
8CG010M5	2	N	N	100	500	50	N	N	50	100	30
8CG011M5	2	N	N	200	5,000	100	N	N	500	70	30
8CG012M5	N	N	N	100	300	30	N	N	200	20	20
8CG013M5	2	N	N	100	500	20	N	N	200	30	30
8CG014M5	<2	N	N	100	150	50	N	N	200	30	20
8CG015M5	2	N	N	100	300	50	50	N	300	30	20
8CG016M5	2	N	N	70	150	30	N	N	100	10	30
8CG017M5	<2	N	N	100	100	20	N	N	70	15	20
8CG018M5	2	N	N	100	300	30	N	N	50	20	20
8CG019M5	<2	N	N	100	150	20	N	N	100	15	30
8CG020M5	<2	N	N	100	200	30	N	N	70	50	20
8CG021M5	<2	N	N	150	700	30	N	N	200	20	20
8CG022M5	<2	N	N	200	2,000	30	N	N	300	30	20
8CG023M5	2	N	N	200	5,000	70	N	N	300	50	30
8CG024M5	<2	N	N	100	3,000	50	N	N	1,500	20	20
8CG025M5	<2	N	N	100	700	100	N	N	5,000	15	50
8CG026M5	<2	N	N	150	2,000	100	N	N	3,000	30	30
8CG027M5	<2	N	N	200	2,000	50	N	N	500	20	30
8CG028M5	<2	N	N	150	500	50	N	N	500	10	20
8CG029M5	2	N	N	150	7,000	70	N	N	1,500	30	50
8CG030M5	<2	N	N	200	5,000	70	N	N	700	30	20
8CG031M5	<2	N	N	150	1,000	20	N	N	200	20	30
8CG032M5	<2	N	N	100	500	20	N	N	100	15	20
8CG033M5	<2	N	N	100	1,000	30	N	N	150	15	30
8CG034M5	N	N	N	100	1,000	70	N	N	50	50	50
8CG035M5	<2	N	N	100	500	30	N	N	150	20	20
8CG036M5	3	N	N	100	5,000	150	N	N	>5,000	15	50
8EN001M5	N	N	N	30	1,000	15	N	N	70	30	30
8EN002M5	N	N	N	50	300	10	N	N	100	20	30
8EN003M5	N	N	N	50	50	20	N	N	50	20	20
8EN004M5	N	N	N	50	200	15	<50	N	150	30	30
8EN005M5	N	N	N	50	1,000	15	50	N	200	30	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C2--Continued					
8CC006M5	N	50	N	3,000	700	N	20	N	200	N
8CC028M5	N	50	N	200	500	N	50	N	300	N
					C3--Continued					
8CG001M5	N	30	N	N	200	N	200	500	300	N
8CG002M5	N	50	N	500	200	N	50	700	500	N
8CG003M5	N	50	N	500	200	N	50	700	700	N
8CG004M5	N	100	N	N	300	N	700	500	1,500	N
8CG005M5	N	150	N	300	300	N	200	<500	1,000	N
8CG007M5	N	100	N	N	300	N	1,000	500	1,500	N
8CG008M5	N	100	N	N	300	N	300	700	700	N
8CG009M5	N	200	N	N	200	N	500	700	1,000	N
8CG010M5	N	100	N	200	300	N	100	<500	1,000	N
8CG011M5	N	100	N	700	300	N	150	<500	1,000	N
8CG012M5	N	50	N	N	200	N	50	700	300	N
8CG013M5	N	70	N	N	200	N	70	500	1,000	N
8CG014M5	N	150	N	N	200	N	200	N	>2,000	N
8CG015M5	N	150	N	N	300	N	200	N	>2,000	N
8CG016M5	N	70	N	<200	300	N	100	<500	1,000	N
8CG017M5	N	100	N	<200	300	N	100	500	700	N
8CG018M5	N	50	N	N	300	N	30	500	200	N
8CG019M5	N	70	N	<200	200	N	100	500	2,000	N
8CG020M5	N	70	N	<200	300	N	50	500	500	N
8CG021M5	N	30	N	N	300	N	50	<500	200	N
8CG022M5	N	50	N	300	200	N	70	500	150	N
8CG023M5	N	50	N	200	200	N	30	500	200	N
8CG024M5	N	50	N	200	200	N	70	500	150	N
8CG025M5	N	100	20	N	200	N	500	500	700	N
8CG026M5	N	50	N	N	200	N	70	1,000	300	N
8CG027M5	N	30	N	N	200	N	30	700	300	N
8CG028M5	N	30	N	N	200	N	30	700	300	N
8CG029M5	N	70	N	500	200	N	100	700	700	N
8CG030M5	N	50	N	N	200	N	30	700	500	N
8CG031M5	N	30	N	N	300	N	20	500	200	N
8CG032M5	N	50	N	N	200	N	30	500	200	N
8CG033M5	N	30	N	N	200	N	20	700	200	N
8CG034M5	N	70	N	300	300	N	20	<500	200	N
8CG035M5	N	30	N	N	200	N	20	500	300	N
8CG036M5	N	100	15	N	200	N	300	500	700	N
8EN001M5	N	30	N	200	500	N	100	<500	1,000	N
8EN002M5	N	100	<20	700	300	N	150	N	500	N
8EN003M5	N	20	N	N	300	N	20	<500	>2,000	N
8EN004M5	N	30	N	N	500	N	70	<500	1,500	700
8EN005M5	N	70	N	200	300	N	100	500	1,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C3--Continued							
8EN006M5	35 32 7	80 43 18	30.0	.30	.70	>2.00	5,000	N	N	N	N	N
8EN007M5	35 32 39	80 44 24	20.0	.70	1.00	>2.00	7,000	N	N	N	20	N
8EN008M5	35 30 35	80 38 11	50.0	.50	.30	>2.00	7,000	N	N	N	<20	N
8EN009M5	35 31 37	80 40 28	30.0	.10	.10	>2.00	5,000	N	N	N	<20	N
8EN010M5	35 32 30	80 41 39	30.0	.10	.10	>2.00	10,000	N	N	N	<20	N
8EN011M5	35 33 4	80 43 13	30.0	.50	1.00	2.00	5,000	N	N	N	<20	N
8EN012M5	35 33 58	80 41 56	30.0	.15	.70	2.00	7,000	N	N	N	<20	N
8EN013M5	35 36 21	80 43 25	15.0	3.00	3.00	2.00	3,000	N	N	N	<20	N
8EN014M5	35 36 12	80 43 22	30.0	.70	1.00	>2.00	5,000	N	N	N	<20	N
8EN015M5	35 37 21	80 42 40	20.0	.70	1.00	>2.00	5,000	N	N	N	20	N
8EN016M5	35 37 19	80 42 27	20.0	.70	.70	>2.00	7,000	N	N	N	20	N
8EN017M5	35 35 37	80 40 52	30.0	.15	.20	1.00	3,000	N	N	N	<20	N
8EN018M5	35 32 23	80 38 7	50.0	.10	.20	1.00	2,000	N	N	N	<20	N
8EN019M5	35 33 11	80 39 29	20.0	2.00	2.00	1.50	3,000	N	N	N	<20	100
8EN020M5	35 33 7	80 39 30	30.0	.10	.10	1.00	2,000	N	N	N	<20	N
8EN021M5	35 33 12	80 39 23	30.0	.10	.10	1.00	5,000	N	N	N	<20	N
8EN022M5	35 33 45	80 40 4	15.0	3.00	3.00	1.00	3,000	N	N	N	<20	150
8EN023M5	35 35 30	80 42 53	20.0	.50	1.50	2.00	5,000	N	N	N	<20	N
8EN024M5	35 36 7	80 42 55	20.0	.70	1.50	>2.00	5,000	N	N	N	<20	N
8EN025M5	35 36 38	80 40 18	30.0	.50	1.50	1.50	5,000	N	N	N	<20	N
8EN026M5	35 37 18	80 39 48	20.0	.70	2.00	2.00	3,000	N	N	N	<20	N
8EN027M5	35 35 35	80 39 58	20.0	.70	2.00	>2.00	5,000	N	N	N	<20	N
8EN028M5	35 35 12	80 39 50	50.0	.10	.20	1.50	3,000	N	N	N	<20	N
8EN029M5	35 36 42	80 38 54	20.0	1.00	2.00	>2.00	10,000	N	N	N	20	N
8EN030M5	35 35 4	80 37 34	20.0	.30	1.00	>2.00	10,000	N	N	N	<20	N
8EN031M5	35 32 59	80 38 23	30.0	.10	.30	1.00	5,000	N	N	N	<20	N
8RM001M5	35 38 22	80 30 12	30.0	.15	.70	>2.00	10,000	N	N	N	<20	50
8RM002M5	35 39 24	80 30 59	20.0	1.00	1.00	>2.00	7,000	N	N	N	<20	N
8RM003M5	35 40 10	80 31 49	20.0	1.50	1.50	>2.00	10,000	N	N	N	20	50
8RM004M5	35 40 16	80 31 46	30.0	.50	.50	>2.00	10,000	N	N	N	<20	N
8RM005M5	35 38 21	80 33 55	20.0	.70	.70	>2.00	7,000	N	N	N	<20	N
8RM006M5	35 37 46	80 33 40	20.0	.70	.70	>2.00	10,000	N	N	N	<20	N
8RM007M5	35 37 54	80 35 22	30.0	.20	.20	>2.00	10,000	N	N	N	<20	N
8RM008M5	35 37 58	80 35 23	30.0	.30	.20	>2.00	10,000	N	N	N	<20	N
8RM009M5	35 37 33	80 36 20	20.0	1.00	3.00	>2.00	10,000	N	N	N	20	N
8RM010M5	35 40 6	80 33 39	30.0	1.00	.50	>2.00	7,000	N	N	N	<20	N
8RM011M5	35 42 51	80 34 41	20.0	5.00	2.00	2.00	10,000	N	N	N	<20	N
8RM012M5	35 42 50	80 34 27	50.0	.30	.30	>2.00	7,000	N	N	N	<20	N
8RM013M5	35 41 29	80 32 5	30.0	.30	.30	>2.00	7,000	N	N	N	<20	N
8RM014M5	35 40 49	80 31 2	30.0	.20	.10	>2.00	10,000	N	N	N	<20	N
8RM015M5	35 40 15	80 33 32	20.0	1.00	2.00	>2.00	10,000	N	N	N	<20	N
8RM016M5	35 40 58	80 36 29	20.0	1.50	1.50	>2.00	7,000	N	N	N	50	<50
8RM017M5	35 41 54	80 35 45	20.0	3.00	2.00	2.00	7,000	N	N	N	<20	N
8RM018M5	35 42 3	80 30 26	20.0	1.50	1.50	>2.00	10,000	N	N	N	<20	N
8RM019M5	35 42 8	80 30 19	30.0	2.00	1.50	2.00	10,000	N	N	N	<20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C3--Continued						
8EN006M5	N	N	N	50	300	15	N	N	50	30	30
8EN007M5	<2	N	N	50	500	20	50	N	50	20	30
8EN008M5	2	N	N	50	150	50	70	N	300	70	70
8EN009M5	N	N	N	50	150	10	N	N	100	20	30
8EN010M5	N	N	N	50	200	10	N	N	200	20	50
8EN011M5	<2	N	N	50	500	15	N	N	70	20	50
8EN012M5	N	N	N	30	200	15	50	N	100	15	50
8EN013M5	7	N	N	50	1,000	15	N	N	<50	70	50
8EN014M5	N	N	N	50	100	30	N	N	50	20	20
8EN015M5	N	N	N	70	100	30	N	N	50	20	20
8EN016M5	N	N	N	70	50	20	N	N	50	15	20
8EN017M5	N	N	N	50	150	15	N	N	50	15	30
8EN018M5	2	N	N	30	150	15	N	N	50	20	30
8EN019M5	5	N	N	50	100	15	150	N	50	30	30
8EN020M5	3	N	N	50	150	10	50	N	<50	20	30
8EN021M5	<2	N	N	30	100	10	N	N	100	15	30
8EN022M5	5	N	N	30	50	10	200	N	50	15	30
8EN023M5	N	N	N	50	1,000	20	N	N	50	20	30
8EN024M5	N	N	N	70	150	20	N	10	50	20	20
8EN025M5	N	N	N	30	150	20	N	N	50	15	30
8EN026M5	N	N	N	30	100	20	50	N	70	10	30
8EN027M5	<2	N	N	30	150	30	100	N	70	20	50
8EN028M5	N	N	N	50	150	15	<50	N	50	20	30
8EN029M5	N	N	N	50	200	20	N	N	200	15	30
8EN030M5	N	N	N	30	200	20	N	N	200	20	50
8EN031M5	N	N	N	30	200	30	50	N	50	15	30
8RM001M5	N	N	N	70	1,000	20	N	N	200	10	70
8RM002M5	N	N	N	100	100	50	N	N	100	15	30
8RM003M5	N	N	N	70	150	50	<50	N	150	20	30
8RM004M5	N	N	N	70	30	20	N	N	150	<10	50
8RM005M5	N	N	N	100	100	50	N	N	100	20	20
8RM006M5	N	N	N	100	70	50	N	N	200	20	30
8RM007M5	N	N	N	100	30	30	N	N	100	<10	20
8RM008M5	N	N	N	100	50	50	N	N	100	10	20
8RM009M5	N	N	N	50	50	20	N	N	100	10	20
8RM010M5	N	N	N	100	50	50	N	N	70	15	<20
8RM011M5	N	N	N	100	200	30	70	N	300	100	20
8RM012M5	N	N	N	70	150	30	70	N	200	20	50
8RM013M5	N	N	N	50	150	30	N	N	100	20	50
8RM014M5	N	N	N	50	30	20	N	N	100	10	30
8RM015M5	N	N	N	100	300	50	50	N	200	30	50
8RM016M5	N	N	N	100	150	50	N	N	50	30	20
8RM017M5	N	N	N	70	200	30	N	N	50	70	20
8RM018M5	2	N	N	50	100	30	N	N	100	30	50
8RM019M5	5	N	N	50	200	20	N	N	100	50	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C3--Continued					
8EN006M5	N	50	N	<200	500	N	50	N	700	N
8EN007M5	N	50	N	300	500	N	70	N	2,000	N
8EN008M5	N	30	N	200	500	N	50	<500	1,000	N
8EN009M5	N	30	N	N	500	N	30	500	1,000	N
8EN010M5	N	50	N	<200	300	N	100	700	1,000	N
8EN011M5	N	30	N	300	500	N	70	<500	1,500	N
8EN012M5	N	50	N	500	500	N	150	500	1,500	N
8EN013M5	N	50	N	700	300	N	20	N	1,000	N
8EN014M5	N	20	N	300	500	N	20	<500	200	N
8EN015M5	N	30	N	200	500	N	30	N	700	N
8EN016M5	N	30	N	N	500	N	20	<500	200	N
8EN017M5	N	15	N	<200	700	N	50	N	1,000	N
8EN018M5	N	15	N	200	700	N	20	N	1,500	N
8EN019M5	N	50	N	300	500	N	30	N	700	N
8EN020M5	N	10	N	<200	700	N	20	<500	1,000	200
8EN021M5	N	20	N	<200	500	N	70	<500	1,000	<200
8EN022M5	N	30	N	300	500	N	70	N	500	N
8EN023M5	N	30	N	200	500	N	100	N	1,500	N
8EN024M5	N	30	N	200	500	N	50	N	700	N
8EN025M5	N	50	N	200	500	N	100	N	1,000	N
8EN026M5	N	50	N	300	500	N	150	N	>2,000	N
8EN027M5	N	30	N	1,000	500	N	20	N	1,500	N
8EN028M5	N	15	N	200	700	N	30	<500	1,500	N
8EN029M5	N	70	N	200	300	N	100	N	2,000	N
8EN030M5	N	70	N	500	500	N	200	<500	2,000	N
8EN031M5	N	20	N	300	500	N	50	<500	>2,000	N
8RM001M5	N	20	N	200	300	N	20	<500	200	N
8RM002M5	N	30	N	200	300	N	30	<500	200	N
8RM003M5	N	50	N	500	300	N	100	N	1,000	N
8RM004M5	N	20	N	<200	300	N	70	500	700	N
8RM005M5	N	20	N	N	500	N	20	<500	500	N
8RM006M5	N	30	N	N	300	N	50	<500	700	N
8RM007M5	N	20	N	N	300	N	30	<500	300	N
8RM008M5	N	20	N	N	300	N	30	500	700	N
8RM009M5	N	70	N	500	500	N	100	N	1,000	N
8RM010M5	N	20	N	N	700	N	20	500	1,000	N
8RM011M5	N	50	N	300	500	N	150	N	500	N
8RM012M5	N	15	N	200	500	N	20	<500	700	N
8RM013M5	N	15	N	<200	700	N	20	<500	700	N
8RM014M5	N	15	N	N	500	N	50	500	700	N
8RM015M5	N	70	N	1,000	500	N	200	N	700	N
8RM016M5	N	30	N	300	500	N	70	N	1,500	N
8RM017M5	N	30	N	200	300	N	30	N	700	N
8RM018M5	N	50	N	1,000	500	N	100	N	>2,000	N
8RM019M5	N	50	N	500	500	N	70	<500	2,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Saaple	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C3--Continued							
8RM020M5	35 44 40	80 30 27	15.0	5.00	3.00	.70	2,000	N	N	N	<20	50
8RM021M5	35 44 5	80 31 2	15.0	5.00	3.00	1.00	2,000	N	N	N	<20	50
8RM022M5	35 44 16	80 32 44	20.0	.50	5.00	1.00	2,000	N	N	N	<20	N
8RM023M5	35 43 49	80 33 52	20.0	1.00	3.00	2.00	3,000	N	N	N	<20	N
8RM024M5	35 44 9	80 33 27	30.0	1.50	3.00	1.00	2,000	N	N	N	<20	N
8RM025M5	35 43 35	80 34 25	15.0	5.00	3.00	1.00	5,000	N	N	N	<20	N
8RM026M5	35 43 33	80 35 44	20.0	3.00	2.00	>2.00	5,000	N	N	N	<20	<50
8RM027M5	35 44 24	80 34 17	20.0	2.00	2.00	>2.00	5,000	N	N	N	<20	<50
8RM028M5	35 44 45	80 36 18	15.0	2.00	3.00	>2.00	5,000	N	N	N	<20	N
8RM029M5	35 43 13	80 36 44	20.0	3.00	3.00	>2.00	3,000	N	N	N	<20	N
9CD001M5	35 42 48	80 37 54	20.0	5.00	5.00	>2.00	7,000	N	N	N	<20	70
9CD002M5	35 42 46	80 38 23	20.0	7.00	10.00	>2.00	7,000	N	N	N	20	70
9CD003M5	35 39 59	80 37 31	30.0	1.50	3.00	>2.00	10,000	N	N	N	30	50
9CD004M5	35 40 0	80 37 34	30.0	1.50	10.00	>2.00	>10,000	N	N	N	20	70
9CD005M5	35 38 50	80 37 41	20.0	1.50	10.00	>2.00	10,000	N	N	N	50	50
9CD006M5	35 38 54	80 38 49	20.0	1.50	7.00	>2.00	>10,000	N	N	N	20	<50
9CD007M5	35 39 2	80 40 57	30.0	2.00	7.00	>2.00	>10,000	N	N	N	20	70
9CD008M5	35 39 58	80 41 12	30.0	7.00	15.00	>2.00	10,000	N	N	N	20	100
9CD009M5	35 42 10	80 40 5	20.0	7.00	15.00	>2.00	10,000	N	N	N	200	70
9CD010M5	35 42 11	80 39 45	30.0	2.00	3.00	>2.00	10,000	N	N	N	<20	100
9CD011M5	35 42 41	80 40 49	20.0	3.00	5.00	>2.00	10,000	N	N	N	150	70
9CD012M5	35 42 25	80 41 2	20.0	3.00	10.00	>2.00	10,000	N	N	N	150	70
9CD013M5	35 41 33	80 42 13	30.0	1.50	2.00	>2.00	>10,000	N	N	N	100	100
9CD014M5	35 40 49	80 42 52	20.0	5.00	10.00	>2.00	7,000	N	N	N	20	100
9CD015M5	35 41 32	80 44 21	30.0	1.50	7.00	>2.00	7,000	N	N	N	<20	50
9CD016M5	35 38 57	80 41 0	30.0	1.50	3.00	>2.00	>10,000	N	N	N	30	70
9CD017M5	35 38 49	80 43 32	30.0	5.00	7.00	>2.00	10,000	N	N	N	<20	70
9CD018M5	35 37 34	80 42 51	30.0	3.00	5.00	>2.00	7,000	N	N	N	<20	70
9CD019M5	35 44 18	80 39 29	20.0	5.00	7.00	>2.00	10,000	N	N	N	<20	70
9CD020M5	35 44 17	80 42 28	30.0	2.00	3.00	>2.00	>10,000	N	N	N	<20	50
9CD021M5	35 42 58	80 42 25	20.0	5.00	10.00	>2.00	7,000	N	N	N	200	50
9CD022M5	35 42 57	80 42 25	20.0	10.00	10.00	>2.00	7,000	N	N	N	70	50
9CD023M5	35 43 9	80 44 40	20.0	1.00	10.00	>2.00	10,000	N	N	N	50	<50
9CD024M5	35 38 25	80 44 39	30.0	2.00	5.00	>2.00	10,000	N	N	N	<20	70
					C4							
8CU025M5	35 30 18	80 49 53	10.0	5.00	5.00	.20	2,000	N	N	N	20	<50
8LN001M5	35 35 32	80 54 1	20.0	.07	2.00	2.00	7,000	N	N	N	<20	N
8LN002M5	35 34 13	80 54 53	30.0	.10	2.00	1.50	5,000	N	N	N	<20	N
8LN003M5	35 33 29	80 54 11	20.0	.15	5.00	1.00	3,000	N	N	N	20	N
8LN004M5	35 36 30	80 54 0	20.0	.20	5.00	1.00	3,000	N	N	N	<20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C3--Continued						
8RM020M5	7	N	N	50	200	15	150	N	N	100	50
8RM021M5	10	N	N	50	200	15	300	N	N	70	30
8RM022M5	N	N	N	10	150	15	N	N	N	10	100
8RM023M5	2	N	N	30	200	15	N	N	100	20	100
8RM024M5	3	N	N	50	300	20	100	N	N	30	70
8RM025M5	N	N	N	70	200	30	N	N	<50	70	20
8RM026M5	N	N	N	150	150	50	N	N	<50	50	<20
8RM027M5	N	N	N	100	150	50	N	N	<50	50	20
8RM028M5	N	N	N	50	200	30	50	N	50	30	50
8RM029M5	N	N	N	100	100	50	N	N	50	50	<20
9CD001M5	N	N	N	100	300	50	N	N	<50	20	N
9CD002M5	N	N	N	100	200	50	100	N	N	30	N
9CD003M5	N	N	N	150	200	70	N	N	N	15	N
9CD004M5	N	N	N	70	100	50	N	N	50	10	20
9CD005M5	N	N	N	50	100	30	N	N	70	10	30
9CD006M5	N	N	N	50	100	30	N	N	70	<10	20
9CD007M5	N	N	N	100	300	70	N	N	<50	20	30
9CD008M5	5	N	N	100	500	20	70	N	<50	50	100
9CD009M5	N	N	N	150	700	30	N	N	N	50	<20
9CD010M5	N	N	N	150	300	50	N	N	<50	30	30
9CD011M5	N	N	N	150	300	30	50	N	50	50	30
9CD012M5	N	N	N	100	200	20	50	N	50	50	50
9CD013M5	N	N	N	200	200	50	N	N	50	20	30
9CD014M5	3	N	N	150	500	50	150	N	<50	70	50
9CD015M5	N	N	N	70	500	15	<50	N	<50	20	50
9CD016M5	N	N	N	150	200	30	N	N	<50	15	N
9CD017M5	5	N	N	100	1,000	30	100	N	70	70	100
9CD018M5	5	N	N	100	300	30	50	N	70	70	100
9CD019M5	N	N	N	100	200	70	N	N	<50	20	N
9CD020M5	N	N	N	100	500	20	70	N	100	20	N
9CD021M5	N	N	N	100	200	30	70	N	<50	30	50
9CD022M5	N	N	N	150	300	20	70	N	<50	100	N
9CD023M5	N	N	N	30	1,000	15	70	N	50	20	70
9CD024M5	3	N	N	70	500	30	70	N	50	50	50
					C4--Continued						
8CU025M5	N	N	N	50	200	20	<50	N	N	50	<20
8LN001M5	N	N	N	20	70	20	N	N	100	10	30
8LN002M5	N	N	N	30	100	30	N	N	100	15	20
8LN003M5	N	N	N	10	50	15	<50	N	50	10	30
8LN004M5	N	N	N	15	70	15	N	N	<50	10	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C3--Continued					
8RM020M5	N	50	N	1,500	500	N	20	N	700	N
8RM021M5	N	50	N	1,000	500	N	20	N	700	N
8RM022M5	N	100	N	2,000	700	N	<20	N	500	N
8RM023M5	N	50	N	1,500	500	N	<20	N	700	N
8RM024M5	N	50	N	1,500	700	N	20	N	1,000	N
8RM025M5	N	30	N	500	300	N	70	N	300	N
8RM026M5	N	30	N	200	500	N	30	<500	200	N
8RM027M5	N	20	N	300	500	N	30	N	200	N
8RM028M5	N	30	N	700	500	N	30	N	500	N
8RM029M5	N	20	N	300	500	N	30	N	200	N
9CD001M5	N	30	N	<200	500	N	30	N	200	N
9CD002M5	N	50	N	700	700	N	50	N	1,500	N
9CD003M5	N	30	N	200	700	N	50	N	>2,000	N
9CD004M5	N	150	N	500	700	N	150	N	>2,000	N
9CD005M5	N	150	N	700	700	N	200	N	>2,000	N
9CD006M5	N	100	N	300	1,000	N	200	N	2,000	N
9CD007M5	N	70	N	300	1,000	N	70	N	1,000	N
9CD008M5	N	150	N	2,000	700	N	100	N	700	N
9CD009M5	N	70	N	500	1,000	N	100	N	700	300
9CD010M5	N	50	N	<200	700	N	50	N	300	N
9CD011M5	N	70	N	300	700	N	70	N	>2,000	N
9CD012M5	N	100	N	1,500	700	N	200	N	>2,000	N
9CD013M5	N	70	N	N	1,000	N	70	N	>2,000	N
9CD014M5	N	100	N	1,500	700	N	70	N	300	N
9CD015M5	N	100	N	2,000	1,000	N	100	N	1,000	N
9CD016M5	N	100	N	<200	1,000	N	100	N	1,000	N
9CD017M5	N	150	N	1,500	700	N	200	N	1,000	N
9CD018M5	N	100	N	1,500	700	N	70	N	1,500	N
9CD019M5	N	70	N	700	700	N	30	N	1,000	N
9CD020M5	N	50	N	<200	500	N	50	N	1,000	N
9CD021M5	N	150	N	1,500	700	N	100	N	>2,000	N
9CD022M5	N	100	N	500	700	N	100	N	2,000	N
9CD023M5	N	150	N	2,000	1,000	N	150	N	>2,000	N
9CD024M5	N	100	N	1,000	700	N	70	N	1,000	N
					C4--Continued					
8CU025M5	N	70	N	300	500	N	50	N	2,000	N
8LN001M5	N	70	N	300	200	N	150	N	1,000	N
8LN002M5	N	70	N	300	500	N	100	N	2,000	N
8LN003M5	N	100	N	500	500	N	500	N	700	N
8LN004M5	N	100	N	1,000	300	N	70	N	1,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C4--Continued							
8TM001M5	35 39 47	80 53 10	20.0	1.00	1.50	2.00	>10,000	N	N	N	20	N
8TM003M5	35 40 55	80 53 8	15.0	.50	5.00	1.50	5,000	N	N	N	70	N
8TM004M5	35 40 44	80 54 59	15.0	3.00	3.00	2.00	5,000	N	N	N	70	N
8TM005M5	35 40 49	80 54 59	20.0	1.00	1.00	>2.00	5,000	5.0	N	N	30	N
8TM006M5	35 41 23	80 56 31	20.0	1.00	1.50	>2.00	5,000	N	N	N	<20	N
8TM007M5	35 41 18	80 56 40	20.0	.30	2.00	>2.00	7,000	N	N	N	30	50
8TM008M5	35 42 18	80 55 36	10.0	1.00	3.00	2.00	2,000	N	N	N	20	<50
8TM009M5	35 44 14	80 53 53	20.0	1.00	1.50	>2.00	5,000	N	N	N	<20	N
9SE001M5	35 37 30	80 45 50	20.0	3.00	5.00	1.00	5,000	N	N	N	20	N
9SE002M5	35 37 32	80 45 50	20.0	2.00	5.00	1.50	5,000	N	N	N	20	N
9SE003M5	35 39 41	80 45 36	20.0	3.00	5.00	1.00	5,000	N	N	N	<20	N
9SE004M5	35 40 3	80 46 37	30.0	1.00	3.00	2.00	7,000	N	N	N	30	N
9SE005M5	35 42 35	80 46 38	20.0	.30	7.00	.70	3,000	N	N	N	<20	N
9SE006M5	35 44 2	80 46 38	15.0	3.00	2.00	2.00	5,000	N	N	N	20	N
9SE007M5	35 44 8	80 46 51	20.0	2.00	3.00	2.00	5,000	N	N	N	20	N
9SE008M5	35 43 54	80 45 16	20.0	2.00	1.50	>2.00	7,000	N	N	N	<20	N
9SE009M5	35 40 17	80 46 44	20.0	.70	3.00	2.00	10,000	N	N	N	20	N
9SE010M5	35 40 28	80 47 30	20.0	1.50	3.00	2.00	7,000	N	N	N	20	N
9SE011M5	35 39 7	80 47 55	20.0	2.00	5.00	1.50	5,000	N	N	N	20	N
9SE012M5	35 44 12	80 48 20	30.0	.50	1.50	2.00	10,000	N	N	N	<20	N
9SE013M5	35 43 57	80 48 18	30.0	.70	1.50	2.00	10,000	N	N	N	<20	N
9SE014M5	35 39 42	80 48 38	50.0	.70	1.00	2.00	7,000	N	N	N	<20	N
9SE015M5	35 40 0	80 48 50	30.0	1.00	2.00	2.00	5,000	N	N	N	20	N
9SE016M5	35 39 7	80 49 9	30.0	.50	1.50	>2.00	7,000	N	N	N	20	N
9SE017M5	35 39 25	80 49 59	30.0	.70	2.00	2.00	7,000	N	N	N	<20	N
9SE018M5	35 38 27	80 51 29	20.0	1.00	3.00	2.00	5,000	N	N	N	<20	N
9SE019M5	35 38 23	80 52 1	30.0	2.00	2.00	2.00	5,000	N	N	N	<20	N
9SE020M5	35 41 53	80 52 0	30.0	.30	2.00	2.00	7,000	N	N	N	<20	N
9SE021M5	35 42 19	80 52 0	20.0	1.50	3.00	2.00	7,000	N	N	N	200	N
9SE022M5	35 40 45	80 49 54	30.0	1.00	3.00	1.00	5,000	N	N	N	<20	N
9SE023M5	35 44 11	80 51 38	15.0	2.00	3.00	1.50	5,000	N	N	N	100	N
9SE024M5	35 42 58	80 51 3	20.0	1.00	2.00	1.50	7,000	N	N	N	20	N
9SE025M5	35 44 17	80 49 50	20.0	1.50	5.00	1.50	5,000	N	N	N	30	N
					C5							
9CA001M5	35 43 34	81 6 44	20.0	1.00	1.00	>2.00	5,000	N	N	N	<20	<50
9CA002M5	35 43 19	81 6 15	20.0	2.00	2.00	>2.00	10,000	N	N	N	<20	N
9CA003M5	35 43 10	81 6 58	20.0	1.50	1.00	>2.00	7,000	N	N	N	<20	N
9CA004M5	35 43 9	81 5 28	15.0	2.00	2.00	>2.00	7,000	N	N	N	20	N
9CA005M5	35 41 10	81 1 2	20.0	.70	.50	>2.00	>10,000	N	N	N	50	100
9CA006M5	35 39 8	81 0 55	20.0	1.50	.70	>2.00	10,000	N	N	N	30	50
9CA007M5	35 40 49	81 4 36	15.0	1.00	.10	1.00	2,000	N	N	N	100	N
9CA008M5	35 39 47	81 6 1	15.0	1.00	<.10	>2.00	7,000	N	N	N	500	N
9DR002M5	35 33 2	81 4 47	20.0	.50	<.10	>2.00	10,000	N	N	N	100	N
9DR003M5	35 32 9	81 3 14	30.0	.20	1.00	>2.00	10,000	N	N	N	30	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C4--Continued						
8TM001M5	N	N	N	100	300	50	150	N	200	20	20
8TM003M5	N	N	N	100	200	70	200	N	50	20	70
8TM004M5	<2	N	N	100	300	50	200	N	50	150	50
8TM005M5	2	N	N	150	300	50	100	N	200	70	50
8TM006M5	N	N	N	100	200	30	200	N	200	30	70
8TM007M5	N	N	N	150	100	30	300	N	150	15	70
8TM008M5	2	N	N	50	150	15	500	N	70	20	50
8TM009M5	2	N	N	200	200	20	50	N	200	30	30
9SE001M5	7	N	N	50	2,000	20	70	N	<50	70	50
9SE002M5	5	N	N	50	500	30	50	N	50	20	50
9SE003M5	7	N	N	70	1,000	20	50	N	<50	50	30
9SE004M5	<2	N	N	70	700	30	N	N	70	30	50
9SE005M5	N	N	N	30	2,000	10	N	N	<50	15	30
9SE006M5	N	N	N	100	500	50	N	N	N	50	<20
9SE007M5	N	N	N	50	150	30	N	N	100	30	20
9SE008M5	N	N	N	70	200	30	N	N	100	30	20
9SE009M5	N	N	N	50	500	30	N	N	70	20	70
9SE010M5	3	N	N	70	1,500	30	N	N	50	50	50
9SE011M5	5	N	N	50	1,000	30	<50	N	50	50	70
9SE012M5	N	N	N	20	200	20	N	N	100	15	30
9SE013M5	N	N	N	50	200	30	N	N	200	20	20
9SE014M5	N	N	N	70	300	50	<50	N	150	30	20
9SE015M5	N	N	N	70	150	70	N	N	70	30	30
9SE016M5	N	N	N	50	300	30	N	N	150	20	30
9SE017M5	N	N	N	20	100	50	N	N	50	20	30
9SE018M5	N	N	N	20	100	20	N	N	<50	20	30
9SE019M5	N	N	N	100	150	70	N	N	50	50	20
9SE020M5	N	N	N	30	100	50	150	N	700	10	50
9SE021M5	N	N	N	30	200	20	300	N	100	30	50
9SE022M5	N	N	N	70	100	30	50	N	<50	20	30
9SE023M5	2	N	N	70	150	30	200	N	70	50	50
9SE024M5	N	N	N	50	100	30	N	N	50	15	30
9SE025M5	N	N	N	50	100	20	N	N	<50	20	30
					C5--Continued						
9CA001M5	<2	N	N	700	1,000	200	150	N	100	150	20
9CA002M5	N	N	N	150	5,000	50	N	N	70	30	20
9CA003M5	N	N	N	150	2,000	70	500	N	200	70	30
9CA004M5	10	N	N	150	1,500	50	500	N	100	50	30
9CA005M5	3	N	N	150	300	50	100	N	1,000	70	30
9CA006M5	3	N	N	200	300	70	N	N	500	100	70
9CA007M5	20	N	N	50	200	10	N	N	N	20	N
9CA008M5	20	N	N	30	300	10	150	N	200	20	30
9DR002M5	15	N	N	70	100	<10	1,000	N	200	30	30
9DR003M5	7	N	N	50	100	<10	500	N	100	20	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C4--Continued					
8TM001M5	N	70	N	<200	500	N	2,000	500	700	N
8TM003M5	N	150	N	2,000	500	N	>5,000	N	1,000	N
8TM004M5	N	70	N	1,000	300	N	5,000	N	700	N
8TM005M5	N	50	N	1,000	200	N	5,000	500	1,000	N
8TM006M5	N	50	N	1,000	200	N	5,000	500	1,000	N
8TM007M5	N	70	N	1,000	200	N	2,000	500	>2,000	N
8TM008M5	N	70	N	1,500	200	N	700	N	300	N
8TM009M5	N	30	N	<200	200	N	2,000	500	500	N
9SE001M5	N	100	N	1,000	500	N	1,000	N	500	N
9SE002M5	N	70	N	1,500	500	N	200	N	700	N
9SE003M5	N	70	N	1,000	500	N	150	N	500	N
9SE004M5	N	50	N	700	300	N	700	N	700	N
9SE005M5	N	70	N	1,000	500	N	300	N	700	N
9SE006M5	N	30	N	<200	500	N	50	N	150	N
9SE007M5	N	50	N	500	500	N	700	N	700	N
9SE008M5	N	30	N	200	300	N	200	N	1,000	N
9SE009M5	N	70	N	1,500	300	N	1,000	N	700	N
9SE010M5	N	50	N	1,000	500	N	700	N	500	N
9SE011M5	N	70	N	2,000	500	N	500	N	700	N
9SE012M5	N	50	N	<200	500	N	1,500	N	700	N
9SE013M5	N	50	N	<200	500	N	1,500	N	500	N
9SE014M5	N	30	N	200	700	N	1,000	N	700	N
9SE015M5	N	50	N	300	700	N	700	N	700	N
9SE016M5	N	50	N	500	500	N	700	N	700	N
9SE017M5	N	50	N	200	500	N	1,000	N	1,000	N
9SE018M5	N	70	N	300	500	N	500	N	1,000	N
9SE019M5	N	20	N	N	500	N	300	N	1,000	N
9SE020M5	N	70	20	200	500	N	3,000	N	700	N
9SE021M5	N	70	N	200	300	N	5,000	N	1,500	200
9SE022M5	N	70	N	200	500	N	5,000	N	700	N
9SE023M5	N	50	N	<200	200	N	3,000	N	150	N
9SE024M5	N	50	N	<200	300	N	2,000	N	300	N
9SE025M5	N	100	N	500	500	N	1,500	N	500	N
					C5--Continued					
9CA001M5	N	50	N	N	200	N	200	500	150	N
9CA002M5	N	100	N	N	200	N	200	N	200	N
9CA003M5	N	70	N	N	150	N	500	N	200	N
9CA004M5	N	50	N	<200	200	N	200	2,000	300	N
9CA005M5	N	50	N	N	200	N	300	1,000	200	N
9CA006M5	N	50	N	N	150	N	1,000	700	200	N
9CA007M5	N	<10	N	N	150	N	30	1,000	200	N
9CA008M5	N	10	N	N	150	N	700	1,000	300	N
9DR002M5	N	30	N	N	150	N	700	1,000	300	N
9DR003M5	N	50	N	N	200	N	700	1,000	300	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C5--Continued							
9DR004M5	35 30 10	81 0 51	20.0	1.00	5.00	>2.00	>10,000	N	N	N	20	<50
9DR005M5	35 31 5	81 5 56	20.0	.50	.70	>2.00	7,000	N	N	N	100	N
9DR006M5	35 32 47	81 5 37	15.0	1.00	.10	1.00	2,000	N	N	N	100	N
9DR007M5	35 31 36	81 4 55	15.0	.70	.20	>2.00	3,000	N	N	N	100	N
9DR008M5	35 31 42	81 4 52	20.0	.20	.10	>2.00	10,000	N	N	N	20	N
9DR009M5	35 33 44	81 2 24	15.0	.50	3.00	>2.00	10,000	N	N	N	20	N
9DR010M5	35 33 45	81 2 25	30.0	.15	.20	>2.00	7,000	N	N	N	20	N
9DR011M5	35 34 35	81 2 43	20.0	.70	.20	>2.00	>10,000	N	N	N	700	100
9DR011M5	35 34 35	81 2 43	30.0	.30	.30	>2.00	10,000	N	N	N	150	N
9DR012M5	35 34 28	81 2 40	20.0	.30	.50	>2.00	10,000	N	N	N	100	N
9ME001M5	35 45 0	81 15 0	30.0	.30	N	>2.00	7,000	N	N	N	<20	N
9ME001M5	35 45 0	81 15 0	20.0	1.50	.50	>2.00	7,000	N	N	N	<20	N
9MM001M5	35 37 30	81 15 0	20.0	2.00	2.00	>2.00	5,000	N	N	N	<20	70
9MM002M5	35 32 38	81 14 30	30.0	.30	.10	>2.00	7,000	N	N	N	30	N
9MM003M5	35 32 40	81 14 31	20.0	.70	.70	>2.00	7,000	N	N	N	50	<50
9MM004M5	35 36 28	81 12 26	15.0	1.00	1.00	>2.00	7,000	N	N	N	N	N
9MM005M5	35 34 41	81 10 20	20.0	.20	<.10	>2.00	10,000	N	N	N	N	N
9MM006M5	35 34 18	81 13 29	20.0	.50	.20	>2.00	7,000	N	N	N	<20	N
9MM007M5	35 33 3	81 13 19	20.0	.70	.50	>2.00	7,000	1.0	N	N	20	N
9MM008M5	35 30 50	81 14 3	15.0	.70	<.10	>2.00	7,000	N	N	N	70	N
9MM009M5	35 32 24	81 12 9	20.0	.30	N	>2.00	7,000	N	N	N	30	N
9MM010M5	35 32 9	81 9 3	15.0	1.00	<.10	>2.00	5,000	N	N	N	200	N
9MM011M5	35 32 12	81 8 54	20.0	1.00	.20	>2.00	7,000	N	N	N	200	N
9MM012M5	35 33 27	81 7 56	20.0	1.50	.10	2.00	5,000	N	N	N	100	N
9NT001M5	35 44 12	81 8 2	20.0	.50	.30	>2.00	5,000	N	N	N	N	N
9NT002M5	35 39 49	81 14 20	30.0	.50	.15	>2.00	5,000	N	N	N	N	N
9NT003M5	35 39 20	81 12 43	20.0	.70	1.00	>2.00	5,000	N	N	N	N	N
9NT004M5	35 39 17	81 12 17	20.0	1.00	1.50	>2.00	5,000	N	N	N	N	70
9NT005M5	35 38 41	81 11 26	30.0	.20	.20	>2.00	7,000	N	N	N	N	N
9NT006M5	35 43 42	81 13 39	20.0	1.00	1.00	>2.00	3,000	N	N	N	N	N
9NT007M5	35 40 59	81 9 29	20.0	.15	.70	>2.00	5,000	N	N	N	N	N
9NT008M5	35 41 12	81 12 3	20.0	.20	.20	>2.00	5,000	N	N	N	N	N
9NT009M5	35 39 41	81 8 42	20.0	2.00	1.00	>2.00	7,000	N	N	N	N	N
9NT010M5	35 39 48	81 7 49	20.0	.20	.10	>2.00	5,000	N	N	N	150	N
9NT011M5	35 39 49	81 7 46	30.0	.10	<.10	>2.00	3,000	N	N	N	70	N
9NT012M5	35 41 45	81 7 51	20.0	.30	.70	>2.00	5,000	N	N	N	<20	N
9NT013M5	35 38 28	81 11 7	20.0	.30	.70	>2.00	5,000	N	N	N	<20	50
					C6							
9BO001M5	35 36 16	81 25 35	20.0	1.00	<.10	>2.00	5,000	N	N	N	<20	N
9BO003M5	35 35 0	81 29 52	20.0	1.50	.10	>2.00	5,000	N	N	N	<20	N
9BO004M5	35 31 47	81 29 54	15.0	1.00	<.10	>2.00	3,000	N	N	N	20	N
9BO005M5	35 31 37	81 26 26	20.0	1.50	.10	>2.00	3,000	N	N	N	<20	N
9BO006M5	35 33 57	81 23 56	20.0	1.50	.10	>2.00	7,000	N	N	N	30	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C5--Continued						
9DR004M5	3	N	N	70	150	30	150	N	150	20	100
9DR005M5	10	N	N	50	150	10	70	N	200	30	30
9DR006M5	20	N	N	70	200	<10	50	N	<50	50	<20
9DR007M5	20	N	N	70	150	10	100	N	200	50	20
9DR008M5	5	N	N	50	150	15	150	N	500	15	70
9DR009M5	2	N	N	50	150	10	200	N	200	30	100
9DR010M5	N	N	N	50	100	10	200	N	300	20	70
9DR011M5	15	N	N	100	500	50	N	N	200	50	30
9DR011M5	7	N	N	50	100	15	300	N	300	30	70
9DR012M5	7	N	N	50	200	20	200	N	500	30	70
9ME001M5	N	N	N	70	100	15	300	N	100	15	20
9ME001M5	N	N	N	50	500	15	50	N	150	10	20
9MM001M5	<2	N	N	150	200	50	70	N	100	100	20
9MM002M5	10	N	N	70	1,000	70	50	N	200	15	50
9MM003M5	7	N	N	100	100	50	200	N	150	30	20
9MM004M5	2	N	N	100	500	50	50	N	100	30	20
9MM005M5	N	N	N	50	1,500	10	100	N	200	<10	50
9MM006M5	3	N	N	150	150	70	1,000	N	150	70	20
9MM007M5	20	20	N	100	500	50	150	N	1,000	30	50
9MM008M5	20	N	N	20	100	30	100	N	200	15	50
9MM009M5	15	N	N	20	150	50	N	N	500	15	50
9MM010M5	20	N	N	30	150	15	N	N	700	20	20
9MM011M5	20	N	N	100	150	10	N	N	300	30	20
9MM012M5	15	N	N	100	200	15	N	N	50	50	<20
9NT001M5	N	N	N	100	5,000	30	200	N	150	30	<20
9NT002M5	N	N	N	100	5,000	20	100	N	100	50	<20
9NT003M5	N	N	N	150	3,000	20	70	N	100	70	<20
9NT004M5	N	N	N	100	200	10	150	N	100	50	20
9NT005M5	N	N	N	150	200	30	200	N	100	30	20
9NT006M5	N	N	N	100	100	30	500	N	100	50	20
9NT007M5	N	N	N	100	150	10	N	N	100	20	20
9NT008M5	N	N	N	100	700	10	N	N	150	20	20
9NT009M5	N	N	N	100	500	15	70	N	70	100	<20
9NT010M5	3	N	N	100	200	50	1,000	N	100	30	100
9NT011M5	2	N	N	20	200	10	500	N	150	10	50
9NT012M5	N	N	N	50	500	10	100	N	100	30	20
9NT013M5	N	N	N	150	10,000	30	200	N	150	50	20
					C6--Continued						
9BO001M5	N	N	N	50	50	20	200	N	100	15	20
9BO003M5	2	N	N	20	100	20	100	N	150	10	20
9BO004M5	2	N	N	20	100	20	500	N	100	10	30
9BO005M5	N	N	N	50	100	15	200	N	100	10	20
9BO006M5	N	N	N	30	70	20	70	N	100	10	20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C5--Continued					
9DR004M5	N	200	N	2,000	300	N	1,000	N	2,000	N
9DR005M5	N	30	N	200	150	N	1,000	1,000	500	N
9DR006M5	N	N	N	N	200	N	200	1,500	700	N
9DR007M5	N	10	N	N	150	N	500	1,000	500	N
9DR008M5	N	50	N	N	150	N	2,000	1,000	500	N
9DR009M5	N	100	N	1,000	200	N	1,500	N	300	N
9DR010M5	N	50	N	N	200	N	5,000	<500	500	N
9DR011M5	N	30	N	N	150	N	200	700	200	N
9DR011M5	N	50	N	N	200	N	2,000	1,000	500	N
9DR012M5	N	50	N	N	150	N	2,000	1,000	500	N
9ME001M5	N	20	N	N	150	N	1,000	700	150	N
9ME001M5	N	100	N	N	100	N	1,000	500	150	N
9MM001M5	N	50	N	N	300	N	200	500	300	N
9MM002M5	N	30	N	N	150	N	70	700	200	N
9MM003M5	N	30	N	N	200	N	150	500	700	N
9MM004M5	N	50	N	N	200	N	200	500	150	N
9MM005M5	N	50	N	N	150	N	5,000	700	500	N
9MM006M5	N	50	N	N	200	N	500	<500	500	N
9MM007M5	N	20	N	N	200	N	500	1,000	500	N
9MM008M5	N	20	N	N	100	N	50	5,000	150	N
9MM009M5	N	30	100	N	100	N	500	5,000	100	N
9MM010M5	N	10	50	N	150	N	100	3,000	200	N
9MM011M5	N	20	N	N	200	N	300	2,000	300	N
9MM012M5	N	15	N	N	200	N	70	2,000	500	N
9NT001M5	N	50	N	N	100	N	200	500	700	N
9NT002M5	N	30	N	N	150	N	200	1,000	300	N
9NT003M5	N	50	N	N	100	N	700	700	1,000	N
9NT004M5	N	50	N	300	150	N	300	500	2,000	N
9NT005M5	N	20	N	N	200	N	700	1,000	500	N
9NT006M5	N	50	N	N	150	N	200	700	2,000	200
9NT007M5	N	30	N	<200	100	N	500	1,000	700	N
9NT008M5	N	30	N	200	100	N	500	1,000	500	N
9NT009M5	N	50	N	200	200	N	50	1,000	700	N
9NT010M5	N	30	N	<200	150	N	>5,000	500	1,000	700
9NT011M5	N	50	20	<200	200	N	>5,000	N	1,000	N
9NT012M5	N	30	N	N	150	N	300	1,000	500	N
9NT013M5	N	30	N	N	150	N	300	700	500	N
					C6--Continued					
9BO001M5	N	30	N	N	100	N	1,000	500	150	N
9BO003M5	N	70	N	N	100	N	1,500	700	200	N
9BO004M5	N	50	N	N	150	N	1,500	500	200	N
9BO005M5	N	50	N	N	150	N	700	<500	200	N
9BO006M5	N	50	N	N	100	N	1,000	500	200	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C6--Continued							
9LG002M5	35 43 38	81 26 51	20.0	.15	<.10	>2.00	5,000	N	N	N	N	N
9LG003M5	35 44 7	81 26 14	20.0	.20	<.10	>2.00	5,000	N	N	N	N	N
9LG004M5	35 43 55	81 25 14	20.0	.30	.10	>2.00	5,000	N	N	N	N	N
9LG005M5	35 43 53	81 25 17	20.0	.50	.10	>2.00	5,000	N	N	N	<20	N
9LG006M5	35 44 35	81 23 59	20.0	.30	<.10	>2.00	2,000	N	N	N	<20	N
9LG007M5	35 44 32	81 24 6	20.0	1.00	.10	>2.00	5,000	N	N	N	N	N
9LG008M5	35 42 13	81 23 44	20.0	1.00	.15	>2.00	7,000	N	N	N	N	N
9LG009M5	35 41 53	81 27 5	30.0	.30	<.10	>2.00	5,000	N	N	N	N	N
9LG010M5	35 41 28	81 26 58	20.0	1.00	.20	1.50	7,000	N	N	N	20	N
9LG011M5	35 41 5	81 26 31	30.0	.50	<.10	>2.00	5,000	N	N	N	N	N
9LG012M5	35 38 22	81 24 52	20.0	1.00	.10	>2.00	5,000	N	N	N	N	N
9LG013M5	35 38 33	81 23 47	20.0	1.00	.20	2.00	5,000	N	N	N	N	N
9LG014M5	35 40 28	81 24 32	20.0	.30	<.10	>2.00	5,000	N	N	N	N	N
9LG015M5	35 40 27	81 24 29	20.0	.30	.10	>2.00	7,000	N	N	N	N	N
9ME001M5	35 45 0	81 15 0	30.0	.30	N	>2.00	7,000	N	N	N	<20	N
9ME001M5	35 45 0	81 15 0	20.0	1.50	.50	>2.00	7,000	N	N	N	<20	N
9MM001M5	35 37 30	81 15 0	20.0	2.00	2.00	>2.00	5,000	N	N	N	<20	70
9RE001M5	35 30 49	81 20 14	30.0	.10	.50	>2.00	>10,000	N	N	N	<20	N
9RE002M5	35 31 56	81 21 52	20.0	1.50	.20	>2.00	5,000	N	N	N	20	N
9RE003M5	35 33 11	81 20 43	20.0	1.00	.20	>2.00	5,000	N	N	N	<20	N
9RE004M5	35 32 42	81 19 27	20.0	1.00	.50	>2.00	5,000	N	N	N	<20	<50
9RE005M5	35 31 50	81 19 8	20.0	2.00	.70	>2.00	10,000	N	N	N	<20	N
9RE006M5	35 31 33	81 16 31	20.0	.30	.30	>2.00	7,000	N	N	N	<20	N
9RE007M5	35 32 22	81 17 6	30.0	.50	.70	>2.00	5,000	N	N	N	<20	N
9RE008M5	35 33 4	81 15 40	30.0	.20	.50	>2.00	5,000	N	N	N	<20	N
9RE009M5	35 34 35	81 16 32	30.0	.70	.30	>2.00	5,000	N	N	N	<20	50
9RE010M5	35 36 41	81 16 25	20.0	5.00	5.00	1.00	7,000	N	N	N	<20	100
					C7							
9BB001M5	35 37 24	81 42 15	20.0	3.00	.70	2.00	10,000	N	N	N	<20	N
9BB002M5	35 37 15	81 42 10	20.0	2.00	1.00	>2.00	10,000	N	N	N	<20	150
9BB003M5	35 31 57	81 44 50	20.0	1.50	.30	>2.00	10,000	N	N	N	<20	N
9BB004M5	35 33 51	81 43 11	20.0	2.00	.30	2.00	10,000	N	N	N	<20	N
9BB005M5	35 33 50	81 43 16	20.0	1.00	.20	>2.00	10,000	N	N	N	<20	N
9BB006M5	35 32 55	81 44 32	30.0	1.00	.30	>2.00	10,000	N	N	N	<20	N
9BB007M5	35 33 12	81 41 36	20.0	1.50	.50	>2.00	>10,000	N	N	N	<20	N
9BB008M5	35 32 43	81 42 15	20.0	1.50	.30	>2.00	>10,000	N	N	N	<20	N
9BB009M5	35 32 42	81 42 20	20.0	1.50	.20	>2.00	10,000	N	N	N	20	N
9BB010M5	35 32 5	81 40 45	20.0	2.00	.30	2.00	>10,000	N	N	N	<20	N
9BB011M5	35 30 44	81 40 43	30.0	1.00	.30	>2.00	>10,000	N	N	N	30	N
9BB012M5	35 30 42	81 40 21	20.0	.70	.10	>2.00	7,000	N	N	N	20	N
9BB013M5	35 30 47	81 38 30	20.0	1.50	.20	>2.00	10,000	N	N	N	<20	N
9BB014M5	35 36 0	81 38 10	20.0	2.00	1.00	2.00	>10,000	N	N	N	20	N
9BB015M5	35 36 4	81 38 12	15.0	1.50	.50	2.00	>10,000	N	N	N	<20	150

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C6--Continued						
9LG002M5	N	N	N	30	150	15	300	N	150	<10	30
9LG003M5	N	N	N	30	70	15	300	N	200	10	50
9LG004M5	N	N	N	30	70	<10	200	N	150	10	30
9LG005M5	N	N	N	30	70	15	500	N	200	10	30
9LG006M5	N	N	N	30	50	20	700	N	200	10	30
9LG007M5	N	N	N	50	50	15	150	N	200	10	<20
9LG008M5	N	N	N	30	70	15	500	N	100	10	30
9LG009M5	N	N	N	30	30	15	700	N	200	<10	50
9LG010M5	N	N	N	20	50	10	2,000	N	100	<10	50
9LG011M5	5	N	N	30	50	15	150	N	200	10	20
9LG012M5	10	N	N	30	50	30	50	N	150	10	N
9LG013M5	3	N	N	50	50	20	200	N	100	10	<20
9LG014M5	N	N	N	30	30	15	50	N	150	10	20
9LG015M5	N	N	N	50	50	10	100	N	100	15	<20
9ME001M5	N	N	N	70	100	15	300	N	100	15	20
9ME001M5	N	N	N	50	500	15	50	N	150	10	20
9MM001M5	<2	N	N	150	200	50	70	N	100	100	20
9RE001M5	N	N	N	50	100	15	50	N	200	10	20
9RE002M5	N	N	N	50	200	20	1,500	N	700	10	50
9RE003M5	N	N	N	50	100	15	300	N	200	10	30
9RE004M5	N	N	N	50	2,000	15	1,000	N	200	10	30
9RE005M5	N	N	N	100	2,000	20	50	N	200	15	20
9RE006M5	N	N	N	100	200	20	50	N	300	20	20
9RE007M5	N	N	N	150	300	30	70	N	200	50	20
9RE008M5	N	N	N	150	1,500	30	700	N	100	30	30
9RE009M5	N	N	N	150	3,000	15	1,000	N	100	30	30
9RE010M5	N	N	N	100	500	30	N	N	N	30	<20
					C7--Continued						
9BB001M5	N	N	N	30	200	10	500	N	50	15	20
9BB002M5	N	N	N	50	100	30	200	N	150	50	30
9BB003M5	N	N	N	30	100	10	500	N	100	10	20
9BB004M5	N	N	N	30	150	10	700	N	100	10	30
9BB005M5	N	N	N	50	100	10	500	N	200	10	30
9BB006M5	N	N	N	50	100	10	300	N	200	15	30
9BB007M5	N	N	N	50	150	10	>2,000	N	100	15	70
9BB008M5	N	N	N	30	100	10	700	N	100	15	20
9BB009M5	N	N	N	30	150	20	500	N	150	10	20
9BB010M5	N	N	N	30	150	10	1,000	N	100	10	50
9BB011M5	N	N	N	50	500	10	2,000	N	150	15	100
9BB012M5	N	N	N	30	100	15	1,000	N	200	15	50
9BB013M5	N	N	N	50	150	10	1,500	N	150	15	30
9BB014M5	N	N	N	30	100	10	50	N	100	15	20
9BB015M5	N	N	N	30	70	15	500	N	150	20	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C6--Continued					
9LG002M5	N	30	N	N	100	N	3,000	N	200	200
9LG003M5	N	30	N	N	100	N	3,000	N	200	200
9LG004M5	N	50	N	N	100	N	5,000	N	500	200
9LG005M5	N	50	N	N	100	N	2,000	N	200	200
9LG006M5	N	50	N	N	100	200	1,000	N	300	500
9LG007M5	N	70	N	N	100	200	1,500	<500	100	<200
9LG008M5	N	70	N	N	100	N	2,000	N	200	500
9LG009M5	N	10	N	N	100	N	3,000	N	300	1,000
9LG010M5	N	10	N	N	100	N	5,000	<500	500	2,000
9LG011M5	N	30	N	N	100	N	2,000	<500	300	N
9LG012M5	N	50	N	N	150	N	1,500	500	200	N
9LG013M5	N	70	N	N	100	N	1,500	N	200	N
9LG014M5	N	20	N	N	100	N	700	N	150	N
9LG015M5	N	20	N	N	100	N	500	N	150	N
9ME001M5	N	20	N	N	150	N	1,000	700	150	N
9ME001M5	N	100	N	N	100	N	1,000	500	150	N
9MM001M5	N	50	N	N	300	N	200	500	300	N
9RE001M5	N	50	N	N	200	N	1,000	500	300	N
9RE002M5	N	100	N	N	200	N	1,500	500	150	500
9RE003M5	N	50	N	N	150	N	200	700	200	N
9RE004M5	N	50	N	N	200	N	500	500	2,000	300
9RE005M5	N	70	N	N	200	N	700	<500	500	N
9RE006M5	N	10	N	N	200	N	300	500	700	N
9RE007M5	N	20	N	N	200	N	500	500	500	N
9RE008M5	N	20	N	N	200	N	500	<500	>2,000	N
9RE009M5	N	20	N	N	300	N	500	500	>2,000	N
9RE010M5	N	50	N	N	200	N	500	N	1,000	N
					C7--Continued					
9BB001M5	N	150	N	N	150	N	500	N	70	200
9BB002M5	N	100	N	N	150	N	1,500	N	150	N
9BB003M5	N	100	N	N	100	N	500	N	200	200
9BB004M5	N	200	N	N	70	N	1,000	N	100	300
9BB005M5	N	150	N	N	100	N	1,000	500	150	N
9BB006M5	N	100	N	N	100	N	300	700	200	N
9BB007M5	N	10	N	N	100	N	2,000	N	200	1,500
9BB008M5	N	150	N	N	100	N	1,000	N	100	200
9BB009M5	N	100	N	N	100	N	1,500	<500	150	N
9BB010M5	N	150	N	N	70	N	2,000	N	150	700
9BB011M5	N	10	N	N	100	N	5,000	<500	500	2,000
9BB012M5	N	70	N	N	100	N	3,000	500	500	500
9BB013M5	N	100	N	N	100	N	2,000	500	200	500
9BB014M5	N	150	N	N	100	N	1,500	N	200	N
9BB015M5	N	150	N	N	100	N	3,000	N	300	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C7--Continued							
9CR001M5	35 33 7	81 37 5	30.0	1.00	.20	>2.00	10,000	N	N	N	20	N
9CR002M5	35 33 3	81 37 8	20.0	1.50	.30	2.00	>10,000	N	N	N	N	N
9CR003M5	35 36 32	81 36 25	20.0	1.50	.20	1.00	>10,000	N	N	N	70	N
9CR004M5	35 36 36	81 36 27	20.0	1.50	.50	2.00	>10,000	N	N	N	<20	N
9CR005M5	35 32 22	81 30 50	30.0	.20	<.10	>2.00	2,000	N	N	N	N	N
9CR006M5	35 33 3	81 32 43	20.0	1.00	.20	>2.00	7,000	N	N	N	N	N
9CR007M5	35 34 15	81 33 10	20.0	1.50	.70	1.50	10,000	N	N	N	N	N
9CR008M5	35 34 22	81 33 17	30.0	1.00	.15	>2.00	7,000	N	N	N	50	N
9CR009M5	35 34 41	81 37 2	20.0	1.50	.50	1.00	>10,000	N	N	N	N	N
9CR010M5	35 34 45	81 37 4	30.0	1.50	.70	.50	>10,000	N	N	N	N	N
9CR011M5	35 34 52	81 35 52	30.0	2.00	.50	1.00	>10,000	N	N	N	N	N
9CR012M5	35 34 45	81 35 44	20.0	1.50	.30	.70	>10,000	N	N	N	50	N
9CR013M5	35 36 42	81 31 20	20.0	1.50	.30	>2.00	7,000	N	N	N	N	N
9CR014M5	35 36 37	81 31 8	30.0	.70	.10	>2.00	5,000	N	N	N	N	N
9CR015M5	35 36 1	81 32 43	20.0	.70	.15	>2.00	5,000	N	N	N	N	N
9CR016M5	35 35 46	81 33 6	20.0	2.00	.20	>2.00	10,000	N	N	N	N	N
9CR017M5	35 35 23	81 31 26	20.0	1.00	.10	>2.00	7,000	N	N	N	N	N
9CR018M5	35 34 26	81 30 3	20.0	.70	.10	>2.00	3,000	N	N	N	N	N
9MS001M5	35 39 13	81 44 34	20.0	1.00	.50	>2.00	10,000	N	N	N	20	N
9MS002M5	35 39 25	81 44 10	20.0	2.00	1.50	2.00	>10,000	N	N	N	<20	70
9MS003M5	35 40 45	81 42 40	20.0	1.50	2.00	2.00	>10,000	N	N	N	<20	N
9MS004M5	35 40 15	81 42 33	20.0	1.50	1.50	2.00	>10,000	N	N	N	<20	N
9MS005M5	35 40 58	81 44 38	20.0	1.00	7.00	2.00	5,000	N	N	N	<20	N
9MS006M5	35 38 4	81 39 39	20.0	2.00	.70	1.50	>10,000	N	N	N	20	N
9MS007M5	35 38 50	81 40 46	20.0	2.00	.70	2.00	>10,000	N	N	N	20	N
9MS008M5	35 38 25	81 41 17	20.0	1.50	.70	>2.00	>10,000	N	N	N	20	N
9MS009M5	35 37 47	81 41 53	20.0	2.00	.70	>2.00	>10,000	N	N	N	30	N
9V001M5	35 41 3	81 35 34	20.0	2.00	1.00	>2.00	5,000	N	N	N	<20	70
9V002M5	35 41 15	81 36 5	20.0	1.50	.70	>2.00	7,000	N	N	N	<20	N
9V003M5	35 42 4	81 37 19	20.0	2.00	1.00	1.50	10,000	N	N	N	<20	N
9V004M5	35 42 16	81 36 1	20.0	2.00	.70	2.00	7,000	N	N	N	20	N
9V005M5	35 42 39	81 35 28	20.0	2.00	1.50	1.00	7,000	N	N	N	<20	N
9V006M5	35 42 20	81 34 18	15.0	3.00	2.00	1.00	7,000	N	N	N	20	N
9V007M5	35 42 15	81 34 7	10.0	2.00	1.50	1.50	5,000	N	N	N	20	N
9V008M5	35 42 1	81 32 53	20.0	2.00	1.00	1.00	7,000	N	N	N	<20	N
9V009M5	35 42 7	81 32 2	20.0	1.00	.20	2.00	10,000	N	N	N	<20	N
9V010M5	35 39 50	81 30 9	20.0	1.50	.20	2.00	5,000	N	N	N	<20	N
9V011M5	35 38 43	81 35 59	20.0	1.50	.50	2.00	10,000	N	N	N	<20	N
9V012M5	35 44 44	81 36 5	20.0	.30	.10	>2.00	5,000	N	N	N	<20	<50
9V013M5	35 43 59	81 34 33	20.0	1.50	.70	>2.00	5,000	N	N	N	50	70

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm a	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C7--Continued						
9CR001M5	N	N	N	50	150	15	2,000	N	200	<10	50
9CR002M5	N	N	N	30	100	10	1,000	N	300	N	20
9CR003M5	N	N	N	50	500	10	>2,000	N	100	N	70
9CR004M5	N	N	N	30	100	10	2,000	N	100	N	30
9CR005M5	N	N	N	50	150	10	>2,000	N	200	N	100
9CR006M5	N	N	N	50	200	15	>2,000	N	150	15	150
9CR007M5	N	N	N	30	150	10	150	N	150	10	20
9CR008M5	N	N	N	50	200	10	>2,000	N	200	N	100
9CR009M5	N	N	N	30	100	10	N	N	150	15	N
9CR010M5	N	N	N	50	100	10	300	N	<50	15	N
9CR011M5	<2	N	N	50	100	15	50	N	100	15	N
9CR012M5	N	N	N	50	100	20	>2,000	N	200	20	50
9CR013M5	N	N	N	20	150	<10	50	N	150	10	20
9CR014M5	N	N	N	30	150	20	1,500	N	200	10	30
9CR015M5	<2	N	N	50	200	20	>2,000	N	200	N	100
9CR016M5	N	N	N	50	200	10	2,000	N	100	<10	30
9CR017M5	N	N	N	30	150	<10	1,500	N	200	<10	30
9CR018M5	2	N	N	30	200	10	2,000	N	200	<10	50
9MS001M5	N	N	N	70	10,000	20	>2,000	N	50	30	70
9MS002M5	N	N	N	70	3,000	30	1,000	N	<50	30	30
9MS003M5	N	N	N	70	3,000	20	1,500	N	<50	20	50
9MS004M5	N	N	N	70	5,000	30	1,000	N	<50	20	50
9MS005M5	N	N	N	150	150	30	N	N	<50	20	50
9MS006M5	N	N	N	30	100	15	2,000	N	50	<10	20
9MS007M5	N	N	N	30	150	10	N	N	50	20	<20
9MS008M5	N	N	N	30	100	10	300	N	50	10	<20
9MS009M5	N	N	N	30	70	30	500	N	50	15	<20
9V001M5	<2	N	N	50	200	10	300	N	500	50	70
9V002M5	N	N	N	30	100	10	100	N	300	20	30
9V003M5	N	N	N	30	200	15	200	N	<50	15	20
9V004M5	N	N	N	70	1,000	20	300	N	300	100	50
9V005M5	N	N	N	20	50	<10	150	N	70	15	20
9V006M5	2	N	N	50	150	30	150	N	150	70	30
9V007M5	5	N	N	30	100	10	700	N	200	20	200
9V008M5	N	N	N	50	100	20	500	N	200	30	100
9V009M5	N	N	N	30	100	10	1,500	N	200	20	150
9V010M5	N	N	N	20	150	15	300	N	500	10	50
9V011M5	N	N	N	30	70	20	700	N	150	15	70
9V012M5	N	N	N	50	200	15	2,000	N	200	15	50
9V013M5	N	N	N	50	700	30	1,500	N	150	30	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C7--Continued					
9CR001M5	N	10	N	N	100	N	5,000	N	500	1,500
9CR002M5	N	200	N	N	70	N	5,000	N	500	500
9CR003M5	N	10	N	N	50	N	5,000	N	1,000	5,000
9CR004M5	N	>200	N	N	50	N	2,000	N	150	1,000
9CR005M5	N	10	N	N	100	N	500	N	70	2,000
9CR006M5	N	10	N	N	100	N	5,000	N	500	5,000
9CR007M5	N	200	N	N	70	N	3,000	N	500	N
9CR008M5	N	10	N	N	100	N	>5,000	N	2,000	3,000
9CR009M5	N	200	N	N	100	N	2,000	N	500	N
9CR010M5	N	>200	N	N	100	N	1,000	N	300	N
9CR011M5	N	200	N	N	50	N	700	N	200	N
9CR012M5	N	10	N	N	70	N	3,000	N	500	2,000
9CR013M5	N	150	N	N	100	N	1,500	N	150	N
9CR014M5	N	150	N	N	100	N	3,000	N	500	700
9CR015M5	N	10	N	N	150	N	>5,000	N	500	5,000
9CR016M5	N	10	N	N	100	N	5,000	N	500	1,500
9CR017M5	N	150	N	N	100	N	1,000	N	150	500
9CR018M5	N	10	N	N	100	N	2,000	N	300	2,000
9MS001M5	N	10	N	N	150	N	2,000	N	700	2,000
9MS002M5	N	100	N	<200	200	N	1,000	N	150	300
9MS003M5	N	100	N	200	200	N	700	N	1,000	500
9MS004M5	N	100	20	<200	150	N	1,500	N	500	300
9MS005M5	N	50	N	1,000	200	N	150	N	200	N
9MS006M5	N	70	N	N	150	N	500	N	150	500
9MS007M5	N	70	N	N	150	N	500	500	150	N
9MS008M5	N	70	N	N	150	N	500	<500	150	N
9MS009M5	N	70	N	N	100	N	1,000	500	200	N
9V001M5	N	50	N	N	300	N	>5,000	<500	1,500	200
9V002M5	N	70	N	N	200	N	5,000	N	1,000	N
9V003M5	N	70	N	N	100	N	3,000	N	200	N
9V004M5	N	70	N	N	200	N	5,000	N	1,000	200
9V005M5	N	70	N	N	150	N	3,000	N	150	N
9V006M5	N	70	N	N	300	N	5,000	N	150	N
9V007M5	N	100	50	N	200	700	>5,000	N	2,000	500
9V008M5	N	100	N	N	100	N	>5,000	N	1,500	300
9V009M5	N	150	N	N	100	300	>5,000	N	1,500	1,000
9V010M5	N	100	N	N	150	N	5,000	N	700	300
9V011M5	N	100	N	N	70	N	>5,000	<500	1,000	500
9V012M5	N	50	N	N	100	N	2,000	<500	200	500
9V013M5	N	50	N	N	150	N	3,000	<500	1,000	500

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C7--Continued							
9V014M5	35 44 25	81 31 10	20.0	.70	.15	>2.00	5,000	N	N	N	50	N
9V015M5	35 44 21	81 30 23	20.0	.70	.10	>2.00	5,000	N	N	N	20	N
					C8							
9DY001M5	35 36 19	81 48 57	20.0	2.00	1.00	2.00	10,000	N	N	N	<20	N
9DY001M5	35 36 19	81 48 57	20.0	1.50	1.00	2.00	10,000	N	N	N	<20	N
9DY002M5	35 36 3	81 48 54	20.0	1.50	1.50	2.00	5,000	N	N	N	<20	N
9DY002M5	35 36 3	81 48 54	20.0	2.00	1.00	1.00	>10,000	N	N	N	N	N
9DY003M5	35 37 27	81 50 55	15.0	2.00	5.00	.50	2,000	N	N	N	<20	N
9DY004M5	35 30 19	81 51 26	20.0	1.50	3.00	.70	2,000	N	N	N	N	N
9DY004M5	35 30 19	81 51 26	15.0	3.00	5.00	1.00	5,000	N	N	N	N	100
9DY005M5	35 30 13	81 51 28	15.0	5.00	5.00	1.00	7,000	N	N	N	<20	70
9DY006M5	35 31 36	81 51 22	15.0	3.00	7.00	1.00	5,000	N	N	N	<20	100
9DY007M5	35 31 15	81 51 8	15.0	5.00	7.00	.50	5,000	N	N	N	N	100
9DY008M5	35 33 51	81 49 7	20.0	3.00	1.50	1.00	>10,000	N	N	N	<20	N
9DY009M5	35 33 49	81 49 9	20.0	2.00	1.00	1.50	>10,000	N	N	N	<20	<50
9DY010M5	35 32 48	81 48 5	15.0	2.00	2.00	1.00	>10,000	N	N	N	<20	50
9DY011M5	35 31 53	81 49 30	20.0	3.00	5.00	1.00	10,000	N	N	N	<20	50
9DY012M5	35 32 24	81 48 39	15.0	5.00	5.00	.70	10,000	N	N	N	<20	500
9DY013M5	35 32 23	81 48 27	20.0	3.00	3.00	1.50	>10,000	N	N	N	<20	<50
9DY014M5	35 32 47	81 49 34	20.0	5.00	3.00	2.00	>10,000	N	N	N	<20	<50
9DY015M5	35 32 50	81 49 34	20.0	3.00	5.00	.70	10,000	N	N	N	<20	50
9DY016M5	35 32 43	81 47 30	20.0	2.00	1.00	.70	>10,000	N	N	N	<20	N
9DY017M5	35 33 32	81 47 40	20.0	3.00	1.00	1.00	>10,000	N	N	N	<20	N
9DY018M5	35 33 35	81 47 38	20.0	2.00	1.50	2.00	>10,000	N	N	N	<20	N
9DY019M5	35 31 55	81 46 38	20.0	2.00	1.00	>2.00	>10,000	N	N	N	<20	N
9DY020M5	35 32 9	81 46 17	15.0	2.00	1.00	>2.00	>10,000	N	N	N	<20	N
9DY021M5	35 30 19	81 47 30	20.0	1.00	.70	>2.00	>10,000	N	N	N	<20	N
9DY022M5	35 30 19	81 47 57	20.0	1.50	.70	>2.00	>10,000	N	N	N	<20	N
9DY023M5	35 30 19	81 48 3	20.0	2.00	1.00	>2.00	>10,000	N	N	N	<20	N
9GD001M5	35 36 43	81 52 41	20.0	1.00	.70	>2.00	10,000	N	N	N	<20	N
9GD002M5	35 36 56	81 53 46	30.0	1.50	1.50	.70	>10,000	N	N	N	50	50
9GD003M5	35 37 19	81 53 46	20.0	3.00	3.00	.70	10,000	N	N	N	50	N
9GD004M5	35 37 28	81 52 52	20.0	2.00	2.00	1.00	10,000	N	N	N	20	N
9GD005M5	35 36 36	81 59 46	30.0	.50	.50	>2.00	5,000	N	N	N	<20	N
9GD006M5	35 35 47	81 57 8	20.0	3.00	2.00	.50	10,000	N	N	N	20	50
9GD007M5	35 35 45	81 57 8	20.0	2.00	2.00	.70	10,000	N	N	N	70	N
9GD008M5	35 36 3	81 58 9	20.0	2.00	2.00	.70	>10,000	N	N	N	20	N
9GD009M5	35 36 1	81 58 30	20.0	2.00	2.00	>2.00	10,000	N	N	N	30	N
9GD012M5	35 33 52	81 58 4	20.0	5.00	3.00	.70	10,000	N	N	N	<20	N
9GD013M5	35 31 44	81 58 14	15.0	5.00	5.00	.50	5,000	N	N	N	<20	N
9GD014M5	35 31 10	81 58 53	15.0	5.00	5.00	.70	7,000	N	N	N	<20	<50
9GD015M5	35 35 13	81 53 26	20.0	2.00	2.00	1.50	5,000	N	N	N	<20	50
9GD016M5	35 32 59	81 55 27	15.0	3.00	5.00	1.00	7,000	N	N	N	<20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C7--Continued						
9VO14M5	N	N	N	70	200	50	>2,000	N	200	30	100
9VO15M5	N	N	N	30	100	20	1,500	10	200	15	50
					C8--Continued						
9DY001M5	N	N	N	50	70	15	1,500	N	N	20	20
9DY001M5	N	N	N	100	>10,000	50	2,000	N	<50	100	30
9DY002M5	<2	N	N	150	10,000	70	500	N	200	100	70
9DY002M5	N	N	N	70	10,000	20	300	N	N	30	<20
9DY003M5	2	N	N	50	500	15	150	N	N	50	70
9DY004M5	2	N	N	100	>10,000	70	500	N	N	100	50
9DY004M5	5	N	N	150	200	30	150	N	N	50	20
9DY005M5	2	N	N	100	300	15	200	N	N	100	20
9DY006M5	3	N	N	150	200	20	500	N	N	50	50
9DY007M5	2	N	N	100	500	20	150	N	N	70	20
9DY008M5	N	N	N	30	1,500	10	200	N	N	15	<20
9DY009M5	N	N	N	150	>10,000	50	500	N	<50	150	30
9DY010M5	N	N	N	70	>10,000	20	2,000	N	N	70	50
9DY011M5	<2	N	N	150	5,000	50	1,000	N	300	70	50
9DY012M5	2	N	N	100	>10,000	10	700	N	N	100	30
9DY013M5	N	N	N	70	10,000	20	700	N	N	70	20
9DY014M5	<2	N	N	70	7,000	20	N	N	200	70	20
9DY015M5	2	N	N	100	>10,000	30	N	N	N	100	20
9DY016M5	N	N	N	20	200	10	700	N	N	15	<20
9DY017M5	N	N	N	30	200	10	500	N	N	15	<20
9DY018M5	N	N	N	30	150	10	700	N	<50	20	20
9DY019M5	N	N	N	30	100	10	N	N	50	20	<20
9DY020M5	N	N	N	30	500	15	N	N	70	10	<20
9DY021M5	N	N	N	30	100	10	500	N	50	15	<20
9DY022M5	N	N	N	30	200	20	2,000	N	150	30	50
9DY023M5	N	N	N	30	150	15	1,500	N	<50	15	20
9GD001M5	N	N	N	50	1,500	30	200	N	100	30	30
9GD002M5	<2	N	N	200	3,000	200	2,000	N	300	50	100
9GD003M5	2	N	N	50	3,000	50	N	N	N	70	20
9GD004M5	<2	N	N	100	3,000	150	2,000	N	<50	70	70
9GD005M5	N	N	N	50	300	20	500	N	150	20	20
9GD006M5	N	N	N	50	200	20	N	N	N	30	<20
9GD007M5	N	N	N	50	200	15	150	N	50	70	30
9GD008M5	N	N	N	50	300	30	<50	N	N	30	20
9GD009M5	N	N	N	50	700	50	500	N	200	50	100
9GD012M5	N	N	N	100	2,000	70	50	N	N	100	30
9GD013M5	N	N	N	100	500	70	50	N	N	150	30
9GD014M5	N	N	N	100	300	100	50	N	N	70	30
9GD015M5	N	N	N	100	300	150	>2,000	N	N	100	150
9GD016M5	N	N	N	50	5,000	30	500	N	200	100	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C7--Continued					
9V014M5	N	10	N	N	150	N	5,000	N	700	3,000
9V015M5	N	70	N	N	100	N	5,000	<500	500	700
					C8--Continued					
9DY001M5	N	70	N	N	150	N	700	N	500	500
9DY001M5	N	100	N	<200	200	N	1,500	700	700	1,000
9DY002M5	N	70	N	<200	200	N	2,000	500	1,000	500
9DY002M5	N	100	N	N	150	N	1,000	500	700	200
9DY003M5	N	70	N	700	300	N	200	N	200	N
9DY004M5	N	50	N	200	200	N	1,000	1,000	200	700
9DY004M5	N	70	N	300	300	N	50	N	100	N
9DY005M5	N	100	N	200	500	N	1,000	N	500	N
9DY006M5	N	100	N	1,000	500	N	50	N	1,000	N
9DY007M5	N	100	N	300	500	N	50	N	200	N
9DY008M5	N	150	N	N	150	N	1,500	N	300	<200
9DY009M5	N	150	N	N	200	N	1,000	1,000	300	1,500
9DY010M5	N	150	N	N	200	N	1,500	500	300	1,000
9DY011M5	N	150	N	<200	200	N	1,000	N	70	300
9DY012M5	N	150	N	<200	300	N	700	500	70	500
9DY013M5	N	150	N	<200	200	N	500	N	150	500
9DY014M5	N	100	N	N	300	N	1,000	N	100	N
9DY015M5	N	100	20	<200	300	N	1,500	1,000	300	700
9DY016M5	N	100	N	N	100	N	700	N	150	200
9DY017M5	N	150	N	N	100	N	1,000	N	150	<200
9DY018M5	N	150	N	N	100	N	1,000	N	100	300
9DY019M5	N	100	N	N	100	N	1,000	<500	100	N
9DY020M5	N	100	N	N	150	N	1,000	N	100	N
9DY021M5	N	70	N	N	100	N	500	500	100	N
9DY022M5	N	100	N	N	100	N	2,000	N	700	1,000
9DY023M5	N	100	N	N	100	N	500	N	150	300
9GD001M5	N	50	N	N	200	N	5,000	700	500	N
9GD002M5	N	100	N	N	100	N	>5,000	N	>2,000	500
9GD003M5	N	100	N	N	200	N	>5,000	1,000	500	N
9GD004M5	N	150	N	N	200	N	>5,000	1,000	1,000	700
9GD005M5	N	50	N	N	200	N	1,000	N	>2,000	N
9GD006M5	N	150	N	N	200	N	1,000	1,000	150	N
9GD007M5	N	150	N	N	150	N	2,000	N	300	N
9GD008M5	N	150	N	N	150	N	2,000	N	200	N
9GD009M5	N	100	N	N	200	N	>5,000	N	2,000	200
9GD012M5	N	100	N	<200	200	N	5,000	500	500	N
9GD013M5	N	100	N	<200	300	N	3,000	N	100	N
9GD014M5	N	150	N	<200	300	N	5,000	N	300	N
9GD015M5	N	10	100	N	200	N	>5,000	N	>2,000	1,000
9GD016M5	N	100	N	<200	200	N	5,000	N	300	500

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C8--Continued							
9GD017M5	35 32 25	81 55 12	7.0	3.00	7.00	.50	1,500	N	N	N	20	N
9GD018M5	35 32 32	81 54 39	7.0	5.00	7.00	.20	1,500	N	N	N	20	N
9GD019M5	35 33 32	81 55 11	15.0	3.00	5.00	1.00	5,000	N	N	N	<20	N
9GD020M5	35 34 21	81 55 44	15.0	1.00	1.50	2.00	10,000	N	N	N	<20	N
9GD021M5	35 33 42	81 56 38	20.0	1.50	2.00	1.50	10,000	N	N	N	<20	N
9GD022M5	35 32 45	81 57 19	20.0	2.00	1.50	>2.00	10,000	N	N	N	<20	N
9GD023M5	35 32 49	81 57 18	15.0	2.00	2.00	1.50	10,000	N	N	N	<20	N
9GD024M5	35 30 29	81 57 27	20.0	3.00	5.00	1.00	10,000	N	N	N	<20	N
9GD025M5	35 30 38	81 57 45	20.0	3.00	3.00	1.00	10,000	N	N	N	<20	N
9GD026M5	35 30 22	81 55 2	30.0	2.00	2.00	2.00	10,000	N	N	N	<20	N
9GD027M5	35 30 43	81 54 21	20.0	2.00	3.00	2.00	7,000	N	N	N	<20	70
9GD028M5	35 31 37	81 53 17	20.0	1.50	3.00	>2.00	7,000	N	N	N	<20	100
9GL005M5	35 44 30	81 46 28	10.0	.30	.15	2.00	7,000	N	N	N	<20	<50
9GL006M5	35 43 26	81 48 0	15.0	.50	.20	2.00	10,000	N	N	N	<20	N
9GL007M5	35 44 7	81 49 43	15.0	.50	.30	>2.00	10,000	N	N	N	<20	N
9GL008M5	35 43 1	81 49 42	20.0	.70	.30	2.00	10,000	N	N	N	20	N
9GL009M5	35 42 59	81 46 1	15.0	1.50	1.50	>2.00	10,000	N	N	N	N	N
9GL010M5	35 42 43	81 47 35	15.0	.50	.20	>2.00	7,000	N	N	N	N	N
9GL011M5	35 42 14	81 51 59	20.0	1.00	2.00	2.00	5,000	N	N	N	<20	N
9GL011M5	35 42 14	81 51 59	20.0	.70	.50	>2.00	10,000	N	N	N	20	N
9GL012M5	35 39 8	81 51 36	20.0	1.00	.50	1.50	10,000	N	N	N	20	N
9GL013M5	35 40 0	81 48 8	20.0	2.00	2.00	>2.00	10,000	N	N	N	<20	50
9GL014M5	35 40 58	81 47 6	15.0	.70	3.00	2.00	7,000	N	N	N	<20	50
9GL015M5	35 39 17	81 46 10	20.0	3.00	3.00	1.50	10,000	N	N	N	<20	<50
9GL016M5	35 39 15	81 46 7	20.0	2.00	1.00	2.00	10,000	N	N	N	<20	N
9GL017M5	35 43 7	81 46 11	20.0	1.50	1.00	>2.00	>10,000	N	N	N	<20	N
9GL018M5	35 40 51	81 45 10	15.0	1.50	3.00	2.00	10,000	N	N	N	<20	N
9GL019M5	35 38 17	81 46 16	20.0	3.00	1.50	1.50	>10,000	N	N	N	<20	N
9GL020M5	35 40 14	81 49 46	20.0	2.00	.50	>2.00	>10,000	N	N	N	<20	N
9MR001M5	35 42 51	81 52 38	20.0	1.00	.50	>2.00	7,000	N	N	N	50	N
9MR002M5	35 42 22	81 56 29	20.0	.30	1.50	>2.00	5,000	N	N	N	20	70
9MR003M5	35 42 19	81 56 32	20.0	1.50	2.00	>2.00	7,000	N	N	N	20	100
9MR004M5	35 42 51	81 58 39	15.0	1.50	7.00	1.00	5,000	N	N	N	<20	200
9MR005M5	35 40 16	81 58 57	30.0	1.00	1.00	>2.00	7,000	N	N	N	150	N
9MR006M5	35 40 6	81 59 2	20.0	1.50	2.00	2.00	7,000	N	N	N	100	50
9MR007M5	35 39 49	81 57 40	20.0	1.50	1.00	2.00	10,000	N	N	N	70	N
9MR008M5	35 41 53	81 53 50	20.0	1.00	1.00	>2.00	10,000	N	N	N	200	N
9MR009M5	35 41 4	81 55 49	30.0	1.00	.50	2.00	7,000	N	N	N	150	N
9MR010M5	35 41 3	81 55 51	20.0	2.00	1.50	2.00	10,000	N	N	N	100	N
9MR011M5	35 37 41	81 59 33	20.0	1.00	.50	2.00	10,000	N	N	N	20	50
9MR012M5	35 39 24	81 55 54	20.0	.70	1.00	2.00	7,000	N	N	N	70	50
9MR013M5	35 39 18	81 56 21	30.0	.70	1.00	>2.00	7,000	N	N	N	100	N
9MR014M5	35 39 5	81 55 21	30.0	1.50	1.50	>2.00	>10,000	N	N	N	<20	N
9MR015M5	35 39 29	81 54 52	20.0	2.00	1.50	2.00	>10,000	N	N	N	<20	N
9MR016M5	35 40 10	81 54 8	20.0	1.50	.70	1.00	>10,000	N	N	N	<20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C8--Continued						
9GD017M5	N	N	N	50	700	10	>2,000	N	70	100	100
9GD018M5	N	N	N	50	700	10	>2,000	N	N	150	200
9GD019M5	N	N	N	50	700	15	500	N	N	100	30
9GD020M5	N	N	N	70	1,000	70	700	N	200	20	70
9GD021M5	N	N	N	100	300	150	500	N	N	50	50
9GD022M5	N	N	N	50	500	50	200	N	50	70	30
9GD023M5	N	N	N	70	500	100	500	N	N	50	50
9GD024M5	N	N	N	50	500	20	N	N	N	50	<20
9GD025M5	N	N	N	50	700	50	N	N	N	70	20
9GD026M5	2	N	N	100	150	100	500	N	100	70	50
9GD027M5	2	N	N	100	2,000	50	150	N	150	50	50
9GD028M5	2	N	N	100	200	50	500	N	100	50	50
9GL005M5	N	N	N	50	5,000	100	700	N	100	50	100
9GL006M5	N	N	N	50	1,000	100	500	N	<50	20	100
9GL007M5	N	N	N	20	200	20	100	N	200	15	20
9GL008M5	N	N	N	30	1,000	50	150	N	50	20	30
9GL009M5	N	N	N	50	200	70	2,000	N	N	N	150
9GL010M5	N	N	N	70	2,000	70	1,500	N	N	N	150
9GL011M5	N	N	N	100	200	100	>2,000	N	N	30	70
9GL011M5	N	N	N	50	500	50	700	N	150	15	30
9GL012M5	N	N	N	20	200	15	200	N	50	<10	20
9GL013M5	3	N	N	200	500	70	50	N	500	50	50
9GL014M5	2	N	N	200	3,000	100	>2,000	N	N	50	150
9GL015M5	2	N	N	150	7,000	50	150	N	N	70	20
9GL016M5	N	N	N	100	5,000	30	1,000	N	50	50	30
9GL017M5	N	N	N	100	1,000	100	500	N	N	30	150
9GL018M5	N	N	N	100	500	50	700	N	<50	30	50
9GL019M5	N	N	N	70	1,500	20	1,500	N	N	30	30
9GL020M5	N	N	N	50	2,000	30	2,000	N	70	20	100
9MR001M5	2	N	N	50	150	20	300	N	700	10	30
9MR002M5	N	N	N	150	150	50	500	N	500	20	70
9MR003M5	3	N	N	70	100	30	100	N	500	20	20
9MR004M5	2	N	N	200	200	50	300	N	200	50	70
9MR005M5	2	N	N	100	150	50	700	N	2,000	20	20
9MR006M5	2	N	N	100	100	30	70	N	500	30	30
9MR007M5	5	N	N	70	500	20	700	N	150	50	30
9MR008M5	N	N	N	100	200	50	300	N	200	20	30
9MR009M5	3	N	N	100	200	30	700	N	100	30	30
9MR010M5	3	N	N	70	300	30	150	N	500	20	50
9MR011M5	N	N	N	70	200	20	300	N	150	15	<20
9MR012M5	3	N	N	70	200	50	200	N	200	30	30
9MR013M5	3	N	N	100	700	50	700	N	150	20	50
9MR014M5	N	N	N	150	1,500	100	300	N	50	70	30
9MR015M5	N	N	N	50	3,000	30	500	N	50	50	50
9MR016M5	5	N	N	50	3,000	50	1,000	N	3,000	15	200

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C8--Continued					
9GD017M5	N	10	N	200	200	N	3,000	N	200	3,000
9GD018M5	N	10	N	<200	200	N	5,000	N	1,000	5,000
9GD019M5	N	100	N	<200	200	N	>5,000	N	500	200
9GD020M5	N	200	N	N	100	N	>5,000	500	1,000	700
9GD021M5	N	150	N	N	200	N	>5,000	N	300	N
9GD022M5	N	100	N	N	500	N	5,000	<500	150	N
9GD023M5	N	100	N	N	200	N	>5,000	N	500	300
9GD024M5	N	100	N	N	200	N	1,000	1,000	200	N
9GD025M5	N	150	N	<200	200	N	5,000	N	200	N
9GD026M5	N	100	N	<200	300	N	>5,000	N	700	N
9GD027M5	N	70	N	300	200	N	>5,000	N	500	N
9GD028M5	N	70	N	300	200	N	5,000	N	500	N
9GL005M5	N	70	N	3,000	200	N	>5,000	3,000	>2,000	1,000
9GL006M5	N	70	N	1,000	300	N	>5,000	<500	2,000	200
9GL007M5	N	20	N	<200	150	N	3,000	1,000	700	N
9GL008M5	N	50	N	N	100	N	5,000	N	700	N
9GL009M5	N	10	N	N	300	N	>5,000	<500	2,000	1,500
9GL010M5	N	10	N	N	200	N	>5,000	N	>2,000	700
9GL011M5	N	10	N	N	200	N	5,000	N	>2,000	1,000
9GL011M5	N	50	N	<200	100	N	5,000	N	1,000	300
9GL012M5	N	70	N	<200	100	N	>5,000	N	700	<200
9GL013M5	N	70	N	300	150	N	1,000	N	>2,000	N
9GL014M5	N	10	N	N	150	N	>5,000	N	>2,000	1,000
9GL015M5	N	100	N	<200	200	N	1,000	<500	1,000	N
9GL016M5	N	100	N	N	100	N	2,000	N	200	500
9GL017M5	N	100	N	N	200	N	>5,000	<500	2,000	500
9GL018M5	N	70	N	300	200	N	5,000	N	1,000	200
9GL019M5	N	200	N	N	150	N	2,000	N	300	500
9GL020M5	N	200	N	N	200	N	>5,000	700	1,000	1,000
9MR001M5	N	100	N	N	150	N	5,000	500	500	N
9MR002M5	N	50	N	500	200	N	1,000	N	1,000	N
9MR003M5	N	70	N	300	150	N	1,000	N	700	N
9MR004M5	N	100	N	2,000	200	N	200	N	1,000	N
9MR005M5	N	100	N	N	100	N	1,500	<500	1,000	N
9MR006M5	N	100	N	200	100	N	700	<500	200	N
9MR007M5	N	100	N	<200	150	N	5,000	500	700	200
9MR008M5	N	70	N	N	150	N	1,500	<500	2,000	N
9MR009M5	N	100	N	N	150	N	3,000	<500	1,500	N
9MR010M5	N	100	N	<200	150	N	500	<500	1,000	N
9MR011M5	N	100	N	N	150	N	1,500	N	700	N
9MR012M5	N	100	N	<200	100	N	500	500	1,500	N
9MR013M5	N	70	N	<200	150	N	>5,000	<500	2,000	N
9MR014M5	N	100	N	N	150	N	3,000	500	300	N
9MR015M5	N	150	N	N	150	N	3,000	10,000	500	200
9MR016M5	N	150	N	N	100	N	5,000	10,000	700	1,000

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C8--Continued							
9MR017M5	35 41 17	81 52 36	20.0	1.00	1.00	>2.00	>10,000	N	N	N	30	N
					D1							
8FG001M5	35 48 48	80 2 42	20.0	.70	2.00	>2.00	5,000	N	N	N	<20	N
8FG002M5	35 48 11	80 3 23	15.0	.70	3.00	2.00	5,000	N	N	N	20	N
8FG003M5	35 48 10	80 3 6	20.0	.20	1.50	>2.00	5,000	N	N	N	<20	N
8FG004M5	35 46 53	80 1 16	30.0	.10	.10	>2.00	10,000	N	N	N	<20	N
8FG006M5	35 46 46	80 5 51	20.0	1.00	2.00	2.00	5,000	N	N	N	<20	N
8FG007M5	35 46 54	80 4 58	15.0	.70	2.00	2.00	5,000	N	N	N	<20	N
8FG008M5	35 46 13	80 2 50	20.0	.20	.10	>2.00	10,000	N	N	N	<20	N
8FG009M5	35 45 29	80 1 1	20.0	.20	1.00	>2.00	10,000	N	N	N	<20	N
8FG010M5	35 46 36	80 7 29	20.0	.20	2.00	2.00	7,000	N	N	N	20	N
8FG011M5	35 50 11	80 6 41	20.0	1.00	3.00	2.00	5,000	N	N	N	<20	N
8FG012M5	35 48 9	80 7 17	20.0	1.00	2.00	2.00	5,000	N	N	N	<20	N
8FG013M5	35 47 37	80 7 21	10.0	2.00	5.00	1.00	1,000	N	N	N	<20	N
8FG014M5	35 51 11	80 6 10	15.0	.50	3.00	2.00	5,000	N	N	N	<20	N
8FG015M5	35 51 18	80 6 34	10.0	.50	3.00	2.00	10,000	N	N	N	<20	N
8FG016M5	35 51 51	80 3 59	15.0	.50	3.00	2.00	5,000	N	N	N	<20	N
8FG018M5	35 49 7	80 3 21	15.0	.50	5.00	1.50	3,000	N	N	N	<20	N
8HP001M5	35 58 54	80 7 3	30.0	2.00	1.50	>2.00	5,000	N	N	N	<20	N
8HP002M5	35 58 57	80 6 36	15.0	3.00	3.00	1.50	5,000	N	N	N	<20	N
8HP003M5	35 58 51	80 5 50	50.0	.20	.50	>2.00	7,000	N	N	N	<20	N
8HP004M5	35 59 37	80 3 12	20.0	3.00	2.00	2.00	5,000	N	N	N	<20	<50
8HP005M5	35 58 51	80 2 45	30.0	1.50	2.00	>2.00	7,000	N	N	N	<20	N
8HP006M5	35 57 4	80 3 59	15.0	3.00	5.00	1.00	3,000	N	N	N	<20	N
8HP007M5	35 56 3	80 4 12	15.0	2.00	5.00	1.00	3,000	N	N	N	<20	N
8HP008M5	35 54 41	80 4 50	20.0	1.50	5.00	1.50	5,000	N	N	N	<20	N
8HP009M5	35 54 8	80 5 17	15.0	1.50	5.00	1.50	7,000	N	N	N	<20	N
8HP010M5	35 53 45	80 6 1	20.0	1.00	5.00	1.00	7,000	N	N	N	20	N
8HP011M5	35 55 32	80 7 26	15.0	2.00	5.00	1.00	3,000	N	N	N	<20	N
8HP012M5	35 53 53	80 0 27	20.0	1.00	3.00	2.00	7,000	N	N	N	<20	N
8HP013M5	35 53 55	80 0 59	20.0	1.00	3.00	2.00	7,000	N	N	N	20	<50
8HP014M5	35 53 32	80 1 2	15.0	1.00	5.00	1.50	7,000	N	N	N	<20	<50
8HP015M5	35 53 3	80 3 38	30.0	.50	2.00	>2.00	>10,000	N	N	N	<20	N
8HP016M5	35 52 51	80 0 21	20.0	.50	3.00	2.00	7,000	N	N	N	20	N
8HP017M5	35 52 35	80 0 15	20.0	.70	3.00	2.00	7,000	N	N	N	<20	N
8HP018M5	35 54 16	80 3 14	30.0	.20	1.00	>2.00	>10,000	N	N	N	<20	<50
8LA001M5	35 45 56	80 7 31	20.0	.70	15.00	>2.00	7,000	N	N	N	<20	70
8LA003M5	35 50 0	80 10 52	20.0	1.00	5.00	>2.00	>10,000	N	N	N	<20	50
8LA004M5	35 51 10	80 9 47	15.0	1.00	20.00	>2.00	7,000	N	N	N	20	70
8LA005M5	35 50 36	80 13 42	30.0	2.00	5.00	>2.00	>10,000	N	N	N	<20	70
8LA006M5	35 51 14	80 13 16	20.0	2.00	10.00	>2.00	10,000	N	N	N	20	70
8LA007M5	35 52 1	80 13 35	30.0	1.00	3.00	>2.00	>10,000	N	N	N	<20	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C8--Continued						
9MR017M5	<2	N	N	50	1,000	30	700	N	150	20	30
					D1--Continued						
8FG001M5	N	N	N	100	200	100	N	N	50	20	20
8FG002M5	N	N	N	70	300	100	N	N	50	20	30
8FG003M5	N	N	N	150	150	100	N	N	50	15	20
8FG004M5	N	N	N	70	100	50	N	N	150	15	20
8FG006M5	N	N	N	50	2,000	70	N	N	70	50	30
8FG007M5	N	N	N	100	1,000	100	N	N	50	30	30
8FG008M5	N	N	N	50	20	50	N	N	150	15	<20
8FG009M5	N	N	N	50	50	50	N	N	150	20	<20
8FG010M5	N	N	N	30	500	30	N	N	70	15	50
8FG011M5	N	N	N	100	5,000	50	200	N	50	50	50
8FG012M5	N	N	N	70	700	70	N	N	70	50	30
8FG013M5	N	N	N	20	300	70	N	N	N	50	20
8FG014M5	N	N	N	100	1,000	50	N	N	50	15	300
8FG015M5	N	N	N	20	3,000	20	N	N	70	20	50
8FG016M5	N	N	N	150	500	70	N	N	50	20	200
8FG018M5	N	N	N	150	500	70	N	N	N	20	30
8HP001M5	N	N	N	70	150	20	70	N	70	70	30
8HP002M5	N	N	N	70	200	10	<50	N	N	100	20
8HP003M5	N	N	N	70	150	15	50	N	1,500	30	30
8HP004M5	N	N	N	70	200	50	N	N	50	70	20
8HP005M5	N	N	N	100	200	20	N	N	70	30	30
8HP006M5	N	N	N	70	200	30	N	N	N	70	30
8HP007M5	N	N	N	100	200	30	50	N	N	50	30
8HP008M5	N	N	N	150	200	30	50	N	<50	30	30
8HP009M5	N	N	N	100	200	30	N	N	50	30	30
8HP010M5	N	N	N	50	2,000	20	<50	N	100	20	1,000
8HP011M5	N	N	N	50	200	30	N	N	N	30	20
8HP012M5	N	N	N	150	300	70	N	N	<50	30	30
8HP013M5	N	N	N	30	1,000	70	70	N	<50	20	50
8HP014M5	N	N	N	50	1,000	50	70	N	50	15	50
8HP015M5	N	N	N	70	1,000	70	50	N	200	15	150
8HP016M5	N	N	N	20	1,000	50	50	N	70	15	30
8HP017M5	N	N	N	70	1,500	70	<50	N	50	15	30
8HP018M5	N	N	N	70	1,000	70	N	N	300	15	50
8LA001M5	N	N	N	20	700	50	300	N	50	15	50
8LA003M5	N	N	N	100	1,500	70	300	N	70	10	30
8LA004M5	N	N	N	30	3,000	15	200	N	N	20	30
8LA005M5	N	N	N	70	150	20	N	N	70	20	20
8LA006M5	N	N	N	70	200	20	50	N	70	20	20
8LA007M5	N	N	N	100	150	10	700	N	50	10	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C8--Continued					
9MR017M5	N	150	20	N	150	N	2,000	7,000	1,500	200
					D1--Continued					
8FG001M5	N	30	N	500	300	N	30	<500	200	N
8FG002M5	N	70	N	700	200	N	50	N	100	N
8FG003M5	N	30	N	500	300	N	30	<500	200	N
8FG004M5	N	10	N	N	70	N	20	500	100	N
8FG006M5	N	50	N	500	300	N	30	N	150	N
8FG007M5	N	50	N	500	500	N	30	N	200	N
8FG008M5	N	10	N	N	30	N	20	<500	70	N
8FG009M5	N	15	N	200	100	N	20	<500	100	N
8FG010M5	N	50	N	500	200	N	70	<500	200	N
8FG011M5	N	30	N	700	300	N	50	N	500	N
8FG012M5	N	30	N	500	200	N	50	N	150	N
8FG013M5	N	50	N	700	500	N	20	N	70	N
8FG014M5	N	50	N	700	300	N	30	N	300	N
8FG015M5	N	50	N	700	150	N	100	<500	700	N
8FG016M5	N	30	N	500	200	N	50	N	200	N
8FG018M5	N	50	N	1,000	300	N	30	N	70	N
8HP001M5	N	30	N	200	500	N	50	N	500	N
8HP002M5	N	50	N	300	500	N	70	N	300	N
8HP003M5	N	20	N	<200	500	N	300	700	500	N
8HP004M5	N	30	N	200	300	N	30	<500	700	N
8HP005M5	N	30	N	200	200	N	50	500	700	N
8HP006M5	N	50	N	500	200	N	50	N	300	N
8HP007M5	N	50	N	700	300	N	50	N	300	N
8HP008M5	N	50	N	700	200	N	70	N	1,000	N
8HP009M5	N	30	N	700	500	N	50	N	700	N
8HP010M5	N	50	N	1,000	300	N	100	N	1,000	N
8HP011M5	N	70	N	700	500	N	70	N	500	N
8HP012M5	N	30	N	700	500	N	50	<500	500	N
8HP013M5	N	30	N	700	500	N	30	N	700	N
8HP014M5	N	30	N	1,000	500	N	30	N	500	N
8HP015M5	N	30	N	300	200	N	200	1,000	1,500	N
8HP016M5	N	30	N	700	500	N	50	N	500	N
8HP017M5	N	20	N	700	300	N	20	N	500	N
8HP018M5	N	20	N	<200	200	N	100	1,000	1,500	N
8LA001M5	N	100	70	1,000	1,000	N	100	N	>2,000	N
8LA003M5	N	50	N	500	500	N	100	N	>2,000	N
8LA004M5	N	100	N	1,500	700	N	150	N	>2,000	N
8LA005M5	N	50	N	200	700	N	50	N	300	N
8LA006M5	N	70	N	1,000	700	N	100	N	>2,000	N
8LA007M5	N	50	N	<200	500	N	150	N	700	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D1--Continued							
8LA011M5	35 48 33	80 11 11	15.0	.70	5.00	>2.00	7,000	N	N	N	20	70
8LA012M5	35 48 19	80 11 17	10.0	3.00	5.00	2.00	3,000	N	N	N	20	150
8LA013M5	35 47 23	80 12 9	10.0	.70	5.00	>2.00	5,000	N	N	N	20	70
8LA014M5	35 46 7	80 12 47	15.0	.70	5.00	>2.00	7,000	N	N	N	20	50
8LA015M5	35 45 34	80 13 25	10.0	.50	3.00	>2.00	7,000	N	N	N	<20	50
8LA016M5	35 45 57	80 12 9	15.0	.30	7.00	2.00	3,000	N	N	N	<20	50
8LA017M5	35 46 23	80 11 57	20.0	.50	7.00	1.00	3,000	N	N	N	20	50
8LA018M5	35 45 42	80 7 32	15.0	.30	7.00	1.50	7,000	N	N	N	20	500
8LA019M5	35 46 6	80 10 22	15.0	.30	10.00	1.50	3,000	N	N	N	<20	50
8MY001M5	35 57 51	80 11 48	10.0	2.00	5.00	.70	3,000	N	N	N	<20	N
8MY002M5	35 57 53	80 11 49	10.0	2.00	5.00	.30	2,000	N	N	N	<20	N
8MY003M5	35 58 20	80 11 44	10.0	2.00	5.00	.50	3,000	N	N	N	<20	N
8MY004M5	35 56 41	80 10 7	10.0	3.00	3.00	.70	2,000	N	N	N	<20	N
8MY005M5	35 57 33	80 8 1	15.0	2.00	1.50	2.00	10,000	N	N	N	<20	N
8MY005M5	35 57 33	80 8 1	10.0	3.00	2.00	1.50	5,000	N	N	N	<20	N
8MY007M5	35 53 9	80 14 12	15.0	1.00	1.50	>2.00	5,000	N	N	N	<20	N
8MY008M5	35 54 11	80 13 50	20.0	.50	1.00	>2.00	7,000	N	N	N	<20	N
8MY009M5	35 54 33	80 12 46	15.0	1.50	5.00	2.00	7,000	N	N	N	<20	N
8MY010M5	35 54 55	80 12 55	20.0	1.00	2.00	2.00	7,000	N	N	N	<20	N
8MY011M5	35 56 14	80 11 2	20.0	1.50	1.50	>2.00	10,000	N	N	N	<20	N
8MY012M5	35 54 24	80 11 36	15.0	1.50	1.50	2.00	>10,000	N	N	N	<20	N
8MY013M5	35 53 18	80 13 54	20.0	1.50	1.50	>2.00	10,000	N	N	N	<20	N
8MY014M5	35 59 12	80 14 6	10.0	1.50	5.00	.50	2,000	N	N	N	<20	N
8MY015M5	35 59 39	80 13 47	10.0	2.00	5.00	.30	2,000	N	N	N	<20	N
8MY016M5	35 58 40	80 10 31	30.0	.70	1.00	>2.00	7,000	N	N	N	<20	N
8MY017M5	35 58 59	80 9 41	20.0	2.00	1.00	>2.00	7,000	N	N	N	<20	N
8MY018M5	35 59 16	80 9 15	10.0	3.00	3.00	1.50	5,000	N	N	N	<20	N
8MY019M5	35 59 15	80 9 16	10.0	3.00	3.00	1.00	3,000	N	N	N	<20	N
8MY020M5	35 55 43	80 7 45	10.0	2.00	3.00	1.50	5,000	N	N	N	<20	N
8MY021M5	35 54 31	80 9 44	15.0	3.00	3.00	1.00	2,000	N	N	N	<20	N
					D2							
8AV001M5	35 52 56	80 27 55	10.0	2.00	10.00	>2.00	3,000	N	N	N	N	N
8AV002M5	35 53 3	80 25 44	15.0	1.50	10.00	1.00	3,000	N	N	N	N	N
8AV003M5	35 54 6	80 24 9	15.0	1.50	15.00	.50	2,000	N	N	N	N	N
8AV004M5	35 54 55	80 25 22	10.0	1.50	10.00	2.00	3,000	N	N	N	<20	N
8AV005M5	35 58 20	80 27 35	20.0	1.00	1.00	>2.00	5,000	N	N	N	N	N
8AV006M5	35 59 58	80 26 49	20.0	1.50	3.00	>2.00	7,000	N	N	N	N	<50
8AV007M5	35 59 52	80 29 44	20.0	5.00	3.00	>2.00	3,000	N	N	N	N	N
8AV008M5	35 56 40	80 29 10	30.0	1.50	1.00	>2.00	7,000	N	N	N	N	N
8AV009M5	35 53 50	80 28 19	15.0	3.00	5.00	>2.00	5,000	N	N	N	<20	50
8AV010M5	35 54 15	80 28 43	10.0	7.00	7.00	1.00	2,000	N	N	N	N	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D1--Continued						
8LA011M5	2	N	N	500	5,000	500	50	<10	50	100	100
8LA012M5	N	N	N	200	700	200	<50	N	<50	150	50
8LA013M5	N	N	N	150	2,000	150	<50	N	50	50	30
8LA014M5	<2	N	N	200	5,000	200	N	N	50	70	50
8LA015M5	N	N	N	150	2,000	150	50	N	50	20	30
8LA016M5	N	N	N	150	1,500	100	50	N	70	20	30
8LA017M5	<2	N	N	200	2,000	200	150	N	50	30	50
8LA018M5	N	N	N	30	3,000	70	150	N	<50	30	30
8LA019M5	N	N	N	20	2,000	30	N	N	<50	20	30
8MY001M5	5	N	N	15	200	10	N	N	N	50	70
8MY002M5	5	N	N	15	200	<10	N	N	N	30	70
8MY003M5	<2	N	N	20	100	10	N	N	N	20	50
8MY004M5	3	N	N	30	150	10	N	N	N	70	30
8MY005M5	N	N	N	70	100	30	70	N	300	70	20
8MY005M5	N	N	N	50	200	20	N	N	50	70	<20
8MY007M5	N	N	N	30	50	15	150	N	150	30	100
8MY008M5	N	N	N	30	50	<10	N	N	150	20	70
8MY009M5	2	N	N	30	70	15	70	N	200	50	100
8MY010M5	N	N	N	150	70	50	<50	N	150	30	50
8MY011M5	N	N	N	20	70	15	200	N	300	20	70
8MY012M5	N	N	N	50	100	20	<50	N	150	50	30
8MY013M5	N	N	N	50	50	15	N	N	700	15	30
8MY014M5	5	N	N	15	150	N	N	N	N	20	70
8MY015M5	7	N	N	20	150	<10	N	N	N	30	70
8MY016M5	N	N	N	70	70	20	N	N	300	20	30
8MY017M5	2	N	N	30	70	15	N	N	200	50	50
8MY018M5	<2	N	N	30	150	10	N	N	150	50	30
8MY019M5	N	N	N	50	100	15	N	N	<50	30	30
8MY020M5	N	N	N	50	300	20	N	N	N	50	20
8MY021M5	N	N	N	100	500	50	N	N	N	100	<20
					D2--Continued						
8AV001M5	N	N	N	30	200	10	N	N	N	50	100
8AV002M5	5	N	N	20	200	10	N	N	N	20	150
8AV003M5	2	N	N	15	200	10	N	N	N	30	150
8AV004M5	N	N	N	20	200	10	N	N	N	50	150
8AV005M5	N	N	N	50	200	10	N	N	50	70	50
8AV006M5	N	N	N	50	150	10	N	N	100	50	50
8AV007M5	N	N	N	100	150	20	N	N	<50	100	<20
8AV008M5	N	N	N	70	500	10	N	N	100	100	70
8AV009M5	N	N	N	70	100	50	N	N	N	30	20
8AV010M5	N	N	N	50	200	20	N	N	N	100	<20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D1--Continued					
8LA011M5	N	50	N	500	200	N	50	1,000	500	N
8LA012M5	N	50	N	500	300	N	70	N	500	N
8LA013M5	N	50	N	700	300	N	50	N	300	N
8LA014M5	N	30	N	500	200	N	50	700	300	N
8LA015M5	N	20	N	500	200	N	200	<500	500	N
8LA016M5	N	100	N	700	300	N	70	N	500	N
8LA017M5	N	70	N	700	500	N	200	N	200	N
8LA018M5	N	70	N	1,000	500	N	100	N	100	N
8LA019M5	N	100	N	1,000	500	N	50	N	150	N
8MY001M5	N	100	<20	2,000	200	N	50	N	150	N
8MY002M5	N	100	N	2,000	300	N	150	N	100	N
8MY003M5	N	100	N	1,500	300	N	30	N	150	N
8MY004M5	N	50	N	700	300	N	30	N	150	N
8MY005M5	N	50	N	<200	200	N	500	500	200	N
8MY005M5	N	50	N	200	300	N	100	<500	150	N
8MY007M5	N	50	N	700	200	N	100	<500	500	N
8MY008M5	N	50	N	700	200	N	50	500	500	N
8MY009M5	N	50	N	1,500	200	N	150	N	500	N
8MY010M5	N	50	N	700	200	N	150	N	1,000	N
8MY011M5	N	50	N	300	200	N	1,000	500	500	N
8MY012M5	N	70	N	<200	200	N	1,000	N	70	N
8MY013M5	N	50	N	300	200	N	300	N	200	N
8MY014M5	N	100	N	2,000	200	N	<20	N	150	N
8MY015M5	N	70	N	1,500	300	N	20	N	150	N
8MY016M5	N	50	N	200	300	N	150	N	150	N
8MY017M5	N	50	N	300	200	N	100	N	300	N
8MY018M5	N	50	N	300	200	N	100	N	300	N
8MY019M5	N	50	N	300	300	N	30	N	100	N
8MY020M5	N	70	N	700	200	N	70	N	500	N
8MY021M5	N	50	N	500	300	N	30	N	100	N
					D2--Continued					
8AV001M5	N	100	N	1,500	500	N	100	N	500	N
8AV002M5	N	100	N	3,000	500	N	30	N	700	N
8AV003M5	N	150	N	5,000	500	N	20	N	500	N
8AV004M5	N	150	N	2,000	500	N	50	N	500	N
8AV005M5	N	20	N	N	500	N	50	1,000	150	N
8AV006M5	N	50	N	N	500	N	1,000	1,000	300	N
8AV007M5	N	30	N	N	500	N	150	N	100	N
8AV008M5	N	30	N	N	500	N	30	1,000	150	N
8AV009M5	N	50	N	200	500	N	50	500	>2,000	N
8AV010M5	N	50	N	500	500	N	30	N	200	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D2--Continued							
8AV011M5	35 56 31	80 28 27	15.0	3.00	5.00	>2.00	5,000	N	N	N	70	N
8AV012M5	35 56 33	80 28 30	15.0	5.00	5.00	>2.00	3,000	N	N	N	N	70
8AV013M5	35 58 10	80 26 1	10.0	5.00	7.00	>2.00	3,000	N	N	N	N	50
8AV014M5	35 58 14	80 26 3	20.0	1.00	1.00	>2.00	5,000	N	N	N	N	N
8AV015M5	35 57 27	80 25 18	10.0	.30	10.00	>2.00	3,000	N	N	N	<20	N
8AV016M5	35 57 28	80 25 20	10.0	5.00	7.00	2.00	2,000	N	N	N	N	N
8AV017M5	35 55 27	80 22 51	10.0	2.00	10.00	1.00	2,000	N	N	N	N	N
8AV018M5	35 58 43	80 23 40	20.0	3.00	3.00	>2.00	5,000	N	N	N	<20	N
8CH001M5	35 45 51	80 23 44	30.0	.50	1.00	2.00	3,000	N	N	N	<20	N
8CH002M5	35 45 49	80 23 44	30.0	1.00	.70	>2.00	5,000	N	N	N	<20	N
8CH003M5	35 45 54	80 22 58	30.0	.20	1.00	1.00	2,000	N	N	N	<20	N
8CH004M5	35 46 52	80 23 46	20.0	.30	3.00	2.00	3,000	N	N	N	<20	N
8CH006M5	35 45 54	80 22 59	50.0	.15	.20	.50	1,000	N	N	N	<20	N
8CH007M5	35 47 10	80 26 50	20.0	.70	3.00	1.00	2,000	N	N	N	<20	N
8CH008M5	35 46 50	80 26 27	50.0	.70	1.00	1.50	2,000	N	N	N	<20	N
8CH009M5	35 49 40	80 23 57	30.0	.01	2.00	1.50	2,000	N	N	N	<20	N
8CH010M5	35 49 37	80 23 59	15.0	.70	5.00	.70	2,000	N	N	N	<20	N
8CH011M5	35 49 9	80 25 36	20.0	.20	5.00	1.00	1,500	N	N	N	<20	N
8CH012M5	35 48 35	80 27 43	20.0	2.00	3.00	.70	1,500	N	N	N	<20	N
8CH013M5	35 51 26	80 24 40	20.0	1.50	7.00	1.50	2,000	N	N	N	<20	N
8CH014M5	35 51 18	80 26 21	15.0	2.00	7.00	1.00	1,500	N	N	N	<20	50
8CH015M5	35 51 17	80 27 28	10.0	2.00	5.00	.50	1,500	N	N	N	<20	N
8CH016M5	35 50 27	80 29 58	30.0	.50	.70	>2.00	5,000	N	N	N	20	N
8CH017M5	35 49 58	80 29 59	30.0	1.50	1.50	>2.00	3,000	N	N	N	<20	N
8CH018M5	35 48 47	80 29 28	20.0	1.00	3.00	2.00	3,000	N	N	N	20	N
8CH019M5	35 48 51	80 29 27	20.0	.30	5.00	2.00	3,000	N	N	N	<20	N
8CH020M5	35 52 4	80 28 19	20.0	1.50	2.00	>2.00	5,000	N	N	N	<20	N
8CH022M5	35 50 23	80 22 41	20.0	1.00	3.00	2.00	2,000	N	N	N	<20	N
8CH023M5	35 49 6	80 22 32	50.0	.10	1.50	2.00	3,000	N	N	N	<20	N
8LT001M5	35 45 35	80 21 18	20.0	.20	1.00	>2.00	>10,000	N	N	N	N	50
8LT002M5	35 45 0	80 20 54	30.0	.20	<.10	>2.00	7,000	N	N	N	<20	N
8LT003M5	35 45 1	80 21 35	30.0	.15	.15	>2.00	10,000	N	N	N	N	N
8LT004M5	35 45 9	80 19 17	20.0	.20	.10	>2.00	7,000	N	N	N	N	N
8LT005M5	35 46 15	80 16 36	30.0	.50	<.10	>2.00	7,000	N	N	N	<20	N
8LT006M5	35 46 19	80 18 2	30.0	.30	.10	>2.00	7,000	N	N	N	N	N
8LT007M5	35 47 28	80 17 23	20.0	.50	.70	>2.00	>10,000	N	N	N	N	50
8LT008M5	35 48 30	80 17 2	20.0	.20	.70	>2.00	10,000	N	N	N	N	N
8LT009M5	35 48 2	80 18 15	15.0	1.50	5.00	2.00	5,000	N	N	N	20	70
8LT010M5	35 46 56	80 19 50	20.0	.50	1.50	>2.00	10,000	N	N	N	N	50
8LT011M5	35 50 14	80 22 15	20.0	.15	3.00	2.00	3,000	N	N	N	<20	N
8LT012M5	35 50 2	80 21 16	20.0	.15	.70	>2.00	5,000	N	N	N	<20	N
8LT013M5	35 49 40	80 19 4	20.0	.50	2.00	>2.00	7,000	N	N	N	N	50
8LT014M5	35 49 11	80 18 57	20.0	.30	1.00	>2.00	10,000	N	N	N	<20	<50
8LT015M5	35 48 25	80 20 19	20.0	.30	1.00	>2.00	7,000	N	N	N	N	50
8LT016M5	35 48 4	80 20 37	20.0	.20	1.00	>2.00	5,000	N	N	N	<20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D2--Continued						
8AV011M5	5	N	N	70	200	30	N	N	50	70	30
8AV012M5	<2	N	N	100	200	30	N	N	<50	100	20
8AV013M5	N	N	N	150	200	100	N	N	<50	70	<20
8AV014M5	N	N	N	50	200	10	N	N	50	50	20
8AV015M5	N	N	N	10	150	<10	50	N	N	10	100
8AV016M5	N	N	N	70	200	20	50	N	N	100	<20
8AV017M5	3	N	N	30	150	15	<50	N	N	50	100
8AV018M5	N	N	N	100	150	50	N	N	50	70	30
8CH001M5	2	N	N	30	150	15	N	N	<50	20	30
8CH002M5	2	N	N	30	100	15	N	N	70	30	20
8CH003M5	<2	N	N	50	500	10	N	N	<50	50	50
8CH004M5	<2	N	N	20	150	20	N	N	<50	15	70
8CH006M5	N	N	N	50	700	10	N	N	N	50	30
8CH007M5	3	N	N	30	200	10	100	N	50	20	100
8CH008M5	<2	N	N	30	300	30	N	N	N	30	50
8CH009M5	<2	N	N	20	200	10	N	N	<50	10	100
8CH010M5	2	N	N	10	100	<10	N	N	N	10	100
8CH011M5	N	N	N	<10	100	10	N	N	N	<10	100
8CH012M5	15	N	N	30	200	15	N	N	N	50	50
8CH013M5	N	N	N	15	200	10	<50	N	N	30	150
8CH014M5	10	N	N	20	200	<10	70	N	N	30	100
8CH015M5	10	N	N	20	200	10	50	N	N	70	100
8CH016M5	N	N	N	50	150	30	N	N	70	20	<20
8CH017M5	N	N	N	70	100	30	N	N	50	20	20
8CH018M5	N	N	N	20	500	10	N	N	150	15	200
8CH019M5	N	N	N	15	150	10	50	N	<50	10	100
8CH020M5	N	N	N	30	150	15	N	N	50	30	70
8CH022M5	<2	N	N	20	150	10	70	N	<50	15	100
8CH023M5	N	N	N	30	300	10	N	N	50	30	50
8LT001M5	N	N	N	30	150	10	100	N	200	20	50
8LT002M5	N	N	N	50	150	15	N	N	100	20	<20
8LT003M5	N	N	N	50	150	15	500	N	200	15	30
8LT004M5	N	N	N	50	100	10	N	N	150	20	<20
8LT005M5	N	N	N	70	200	15	N	N	70	30	20
8LT006M5	N	N	N	70	50	15	N	N	100	15	<20
8LT007M5	N	N	N	50	200	20	500	N	200	30	30
8LT008M5	N	N	N	50	70	15	<50	N	150	20	30
8LT009M5	N	N	N	20	200	30	70	N	N	20	100
8LT010M5	N	N	N	50	150	20	50	N	70	20	50
8LT011M5	N	N	N	20	300	10	150	N	50	20	70
8LT012M5	N	N	N	30	300	<10	150	N	50	20	50
8LT013M5	2	N	N	50	150	<10	150	N	N	20	100
8LT014M5	N	N	N	100	100	30	50	N	50	20	30
8LT015M5	N	N	N	100	200	<10	70	N	70	20	70
8LT016M5	N	N	N	50	200	<10	50	N	50	20	70

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D2--Continued					
8AV011M5	N	50	N	300	300	N	70	<500	>2,000	N
8AV012M5	N	50	N	<200	500	N	70	<500	300	N
8AV013M5	N	50	N	<200	500	N	50	N	500	N
8AV014M5	N	20	N	N	300	N	50	700	200	N
8AV015M5	N	150	N	2,000	300	N	150	N	300	N
8AV016M5	N	70	N	500	300	N	50	N	300	N
8AV017M5	N	150	N	2,000	300	N	30	N	500	N
8AV018M5	N	30	N	N	500	N	30	1,000	500	N
8CH001M5	N	30	N	300	700	N	<20	<500	1,000	N
8CH002M5	N	30	N	200	500	N	20	500	1,500	N
8CH003M5	N	30	N	500	700	N	<20	<500	1,000	N
8CH004M5	N	100	N	1,500	500	N	30	<500	1,000	N
8CH006M5	N	10	N	<200	700	N	<20	<500	>2,000	N
8CH007M5	N	100	N	2,000	500	N	30	N	1,500	N
8CH008M5	N	50	N	700	700	N	<20	<500	1,500	N
8CH009M5	N	70	N	1,000	500	N	20	N	1,000	N
8CH010M5	N	100	N	2,000	300	N	20	N	1,500	N
8CH011M5	N	100	N	2,000	500	N	20	N	1,500	N
8CH012M5	N	50	N	1,000	500	N	<20	N	700	N
8CH013M5	N	100	N	2,000	500	N	20	N	500	N
8CH014M5	N	70	N	2,000	500	N	20	N	1,000	N
8CH015M5	N	70	N	2,000	300	N	<20	N	500	N
8CH016M5	N	20	N	<200	700	N	30	<500	700	N
8CH017M5	N	30	N	300	500	N	20	<500	1,000	N
8CH018M5	N	70	N	1,500	500	N	20	N	700	N
8CH019M5	N	70	N	2,000	500	N	20	N	1,000	N
8CH020M5	N	50	N	1,000	500	N	30	N	700	N
8CH022M5	N	70	N	1,500	500	N	20	N	700	N
8CH023M5	N	30	N	700	500	N	20	500	500	N
8LT001M5	N	70	N	300	200	N	200	<500	>2,000	N
8LT002M5	N	30	N	N	300	N	30	N	150	N
8LT003M5	N	30	N	N	200	N	500	<500	>2,000	N
8LT004M5	N	20	N	N	200	N	30	<500	2,000	N
8LT005M5	N	50	N	N	200	N	20	500	300	N
8LT006M5	N	20	N	N	200	N	20	500	300	N
8LT007M5	N	30	N	N	200	N	100	500	2,000	N
8LT008M5	N	20	N	N	200	N	70	500	2,000	N
8LT009M5	N	70	N	1,000	200	N	100	N	>2,000	N
8LT010M5	N	70	N	700	200	N	150	<500	>2,000	N
8LT011M5	N	100	N	1,500	300	N	100	N	>2,000	N
8LT012M5	N	70	N	500	300	N	150	N	>2,000	N
8LT013M5	N	150	N	1,500	200	N	200	N	>2,000	N
8LT014M5	N	70	N	300	200	N	150	<500	>2,000	N
8LT015M5	N	50	N	200	200	N	100	<500	>2,000	N
8LT016M5	N	70	N	700	200	N	100	<500	>2,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D2--Continued							
8LT017M5	35 47 41	80 20 41	20.0	.20	.50	>2.00	5,000	N	N	N	<20	50
8LT018M5	35 50 29	80 18 7	15.0	.30	1.50	>2.00	3,000	N	N	N	<20	50
8LT019M5	35 50 58	80 18 23	15.0	.30	5.00	2.00	3,000	N	N	N	<20	100
8LT020M5	35 50 53	80 17 33	10.0	2.00	5.00	2.00	3,000	N	N	N	<20	70
8LT021M5	35 51 43	80 16 47	10.0	1.50	2.00	2.00	3,000	N	N	N	N	50
8LT022M5	35 52 4	80 15 51	15.0	.70	1.50	>2.00	10,000	N	N	N	N	50
8LT023M5	35 50 16	80 17 20	20.0	.20	2.00	>2.00	>10,000	N	N	N	20	50
8LT024M5	35 51 40	80 21 6	10.0	.20	7.00	2.00	2,000	N	N	N	N	50
8LT025M5	35 51 38	80 20 46	15.0	.15	5.00	>2.00	2,000	N	N	N	<20	50
8LT026M5	35 51 44	80 20 41	20.0	.20	5.00	>2.00	3,000	N	N	N	<20	50
8LT027M5	35 50 17	80 17 25	20.0	.15	.70	>2.00	7,000	N	N	N	<20	50
8WC001M5	35 59 13	80 20 58	7.0	.05	7.00	.10	1,000	N	N	N	<20	N
8WC002M5	35 58 33	80 21 36	10.0	.20	7.00	.15	1,500	N	N	N	<20	N
8WC003M5	35 56 20	80 20 59	10.0	.50	7.00	.50	1,500	N	N	N	<20	N
8WC004M5	35 57 22	80 19 46	30.0	.05	.10	>2.00	7,000	N	N	N	<20	<50
8WC005M5	35 57 31	80 19 41	15.0	1.00	1.50	>2.00	7,000	N	N	N	<20	50
8WC006M5	35 58 31	80 19 20	20.0	1.00	1.50	>2.00	7,000	N	N	N	<20	50
8WC008M5	35 58 59	80 16 28	10.0	1.00	5.00	.70	2,000	N	N	N	<20	100
8WC009M5	35 57 56	80 16 17	10.0	1.00	5.00	.50	2,000	N	N	N	<20	70
8WC010M5	35 57 36	80 16 3	10.0	.50	7.00	.30	2,000	N	N	N	20	70
8WC011M5	35 56 8	80 15 55	10.0	.50	5.00	.30	2,000	N	N	N	<20	100
8WC012M5	35 56 11	80 15 56	10.0	.50	5.00	1.00	2,000	N	N	N	<20	100
8WC013M5	35 54 50	80 15 55	15.0	.30	3.00	>2.00	5,000	N	N	N	<20	100
8WC014M5	35 54 46	80 15 55	20.0	.30	.30	>2.00	7,000	N	N	N	<20	70
8WC015M5	35 53 8	80 15 59	15.0	1.50	2.00	>2.00	7,000	N	N	N	<20	100
8WC016M5	35 52 46	80 15 31	15.0	2.00	2.00	>2.00	7,000	N	N	N	<20	150
8WC017M5	35 52 31	80 16 6	15.0	2.00	3.00	>2.00	5,000	N	N	N	<20	100
8WC018M5	35 56 11	80 18 2	10.0	2.00	5.00	.70	2,000	N	N	N	<20	150
8WC019M5	35 56 13	80 18 4	15.0	.30	3.00	>2.00	7,000	N	N	N	<20	100
8WC020M5	35 54 26	80 19 6	10.0	1.00	7.00	.50	2,000	N	N	N	<20	100
8WC021M5	35 54 15	80 18 22	15.0	1.50	7.00	.70	2,000	N	N	N	<20	100
8WC022M5	35 52 50	80 20 59	10.0	.70	5.00	.70	1,500	N	N	N	<20	100
8WC023M5	35 52 51	80 21 1	10.0	1.00	5.00	1.50	2,000	N	N	N	<20	100
8WC024M5	35 54 44	80 21 21	10.0	1.00	5.00	1.50	2,000	N	N	N	<20	70
8WC025M5	35 54 54	80 21 2	10.0	.10	5.00	1.50	2,000	N	N	N	50	70
8WC026M5	35 55 8	80 20 37	10.0	.20	7.00	.50	1,500	N	N	N	<20	70
8WC027M5	35 54 33	80 19 33	10.0	.10	7.00	.50	2,000	N	N	N	<20	70
8WC028M5	35 59 8	80 16 28	10.0	1.50	7.00	.50	2,000	N	N	N	<20	70
8WC030M5	35 57 32	80 15 13	10.0	1.00	7.00	.30	2,000	N	N	N	20	70
					D3							
8C008M5	35 55 45	80 35 5	30.0	1.50	1.50	>2.00	10,000	N	N	N	<20	70
8CM002M5	35 48 53	80 33 57	10.0	5.00	5.00	1.50	1,500	N	N	N	30	<50
8CM003M5	35 48 11	80 32 16	7.0	5.00	3.00	2.00	3,000	N	N	N	20	N
8CM004M5	35 46 55	80 34 20	10.0	3.00	2.00	>2.00	5,000	N	N	N	20	<50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D2--Continued						
8LT017M5	N	N	N	50	150	10	200	N	<50	20	50
8LT018M5	N	N	N	20	70	10	50	N	N	30	70
8LT019M5	N	N	N	15	200	10	100	N	N	15	100
8LT020M5	2	N	N	20	200	10	150	N	N	50	100
8LT021M5	2	N	N	20	150	15	70	N	N	50	70
8LT022M5	N	N	N	30	100	10	500	N	70	20	50
8LT023M5	N	N	N	30	150	15	100	N	150	15	50
8LT024M5	N	N	N	<10	100	10	70	N	<50	10	70
8LT025M5	N	N	N	15	200	10	100	N	50	20	70
8LT026M5	N	N	N	20	300	100	100	N	<50	30	70
8LT027M5	N	N	N	30	100	30	150	N	50	15	700
8WC001M5	N	N	N	N	150	10	N	N	N	<10	100
8WC002M5	<2	N	N	<10	200	<10	50	N	N	10	100
8WC003M5	N	N	N	10	200	<10	<50	N	N	10	100
8WC004M5	N	N	N	20	70	15	1,000	N	150	10	50
8WC005M5	3	N	N	50	200	15	100	N	150	50	70
8WC006M5	2	N	N	70	100	20	100	N	100	30	70
8WC008M5	2	N	N	10	300	10	N	N	<50	15	20
8WC009M5	2	N	N	<10	200	<10	N	N	N	10	30
8WC010M5	N	N	N	10	200	<10	N	N	N	10	50
8WC011M5	N	N	N	<10	200	<10	100	N	N	<10	50
8WC012M5	N	N	N	<10	200	10	N	N	N	10	30
8WC013M5	N	N	N	10	150	10	100	N	50	15	30
8WC014M5	N	N	N	20	150	15	70	N	70	20	30
8WC015M5	3	N	N	50	200	20	N	N	100	50	50
8WC016M5	N	N	N	50	200	20	50	N	150	50	30
8WC017M5	2	N	N	50	200	20	N	N	100	50	30
8WC018M5	7	N	N	20	300	<10	N	N	N	30	20
8WC019M5	<2	N	N	70	200	30	200	N	150	20	50
8WC020M5	3	N	N	10	200	<10	N	N	N	30	50
8WC021M5	3	N	N	15	200	10	<50	N	N	70	70
8WC022M5	2	N	N	<10	150	10	N	N	N	10	50
8WC023M5	5	N	N	50	150	100	50	15	50	20	50
8WC024M5	N	N	N	20	150	15	<50	N	N	10	50
8WC025M5	N	N	N	<10	150	<10	N	N	<50	10	70
8WC026M5	N	N	N	<10	300	<10	N	N	N	10	70
8WC027M5	N	N	N	<10	200	<10	50	N	N	10	70
8WC028M5	3	N	N	10	200	<10	N	N	N	20	30
8WC030M5	5	N	N	<10	200	<10	<50	N	N	20	30
					D3--Continued						
8C008M5	N	N	N	70	500	50	N	N	70	50	50
8CM002M5	N	N	N	70	200	50	N	N	N	50	20
8CM003M5	N	N	N	50	200	50	N	N	N	30	<20
8CM004M5	N	N	N	70	300	70	N	N	<50	30	30

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D2--Continued					
8LT017M5	N	70	N	300	200	N	150	<500	>2,000	N
8LT018M5	N	100	N	1,000	150	N	200	N	>2,000	N
8LT019M5	N	150	N	2,000	200	N	150	N	>2,000	N
8LT020M5	N	100	<20	1,000	200	N	200	N	>2,000	N
8LT021M5	N	100	N	1,000	200	N	200	N	>2,000	N
8LT022M5	N	70	N	300	200	N	300	N	>2,000	N
8LT023M5	N	70	N	500	200	N	300	<500	>2,000	N
8LT024M5	N	100	N	2,000	300	N	70	N	>2,000	N
8LT025M5	N	100	N	1,500	200	N	100	N	>2,000	N
8LT026M5	N	100	N	2,000	200	N	70	N	>2,000	N
8LT027M5	N	70	50	200	200	N	200	<500	>2,000	N
8WC001M5	N	100	N	2,000	500	N	<20	N	100	N
8WC002M5	N	150	N	3,000	500	N	30	N	150	N
8WC003M5	N	100	N	2,000	500	N	30	N	150	N
8WC004M5	N	20	N	N	300	N	70	700	700	300
8WC005M5	N	50	N	1,000	200	N	70	<500	1,000	N
8WC006M5	N	50	N	700	200	N	70	<500	700	N
8WC008M5	N	200	N	2,000	500	N	30	N	1,500	N
8WC009M5	N	200	N	1,500	500	N	30	N	150	N
8WC010M5	N	150	N	2,000	500	N	50	N	150	N
8WC011M5	N	150	N	2,000	500	N	20	N	150	N
8WC012M5	N	150	N	2,000	500	N	50	N	70	N
8WC013M5	N	100	N	1,500	300	N	70	N	2,000	N
8WC014M5	N	30	N	200	500	N	30	500	>2,000	N
8WC015M5	N	70	N	1,500	300	N	50	N	1,000	N
8WC016M5	N	70	N	300	300	N	200	N	500	N
8WC017M5	N	100	N	700	300	N	50	N	500	N
8WC018M5	N	150	N	2,000	500	N	20	N	300	N
8WC019M5	N	150	N	1,500	300	N	70	N	300	N
8WC020M5	N	150	N	3,000	500	N	20	N	1,000	N
8WC021M5	N	150	N	3,000	500	N	30	N	500	N
8WC022M5	N	150	N	2,000	500	N	20	N	500	N
8WC023M5	N	150	N	2,000	500	N	70	N	1,500	N
8WC024M5	N	100	N	2,000	300	N	70	N	300	N
8WC025M5	N	200	N	3,000	500	N	30	N	1,500	N
8WC026M5	N	150	N	2,000	500	N	30	N	500	N
8WC027M5	N	150	N	2,000	500	N	50	N	1,500	N
8WC028M5	N	150	N	2,000	500	N	50	N	200	N
8WC030M5	N	150	N	2,000	500	N	20	N	150	N
					D3--Continued					
8C008M5	N	20	20	<200	200	N	30	700	300	N
8CM002M5	N	50	N	200	500	N	30	N	150	N
8CM003M5	N	20	N	N	300	N	<20	N	200	N
8CM004M5	N	20	N	N	500	N	30	N	100	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D3--Continued							
8CM006M5	35 45 38	80 33 15	10.0	5.00	5.00	>2.00	3,000	N	N	N	20	50
8CM007M5	35 48 57	80 36 34	15.0	5.00	7.00	>2.00	5,000	N	N	N	20	70
8CM008M5	35 52 2	80 36 0	7.0	3.00	3.00	2.00	2,000	N	N	N	20	<50
8CM010M5	35 45 35	80 30 59	20.0	5.00	2.00	.70	3,000	N	N	N	20	50
8CM011M5	35 50 23	80 34 11	7.0	5.00	5.00	>2.00	5,000	N	N	N	20	70
8CM011M5	35 50 23	80 34 11	20.0	2.00	1.50	>2.00	10,000	N	N	N	<20	50
8CM013M5	35 50 21	80 34 22	30.0	1.00	.70	>2.00	10,000	N	N	N	<20	50
8CM014M5	35 51 17	80 34 29	20.0	7.00	3.00	>2.00	5,000	N	N	N	N	150
8CM015M5	35 50 41	80 35 1	20.0	3.00	2.00	>2.00	10,000	N	N	N	<20	100
8CM016M5	35 50 52	80 34 35	20.0	5.00	2.00	>2.00	>10,000	N	N	N	N	100
8CM017M5	35 50 25	80 34 28	20.0	.70	.20	>2.00	>10,000	N	N	N	<20	N
8CM019M5	35 50 35	80 34 27	30.0	1.00	<.10	>2.00	10,000	N	N	N	<20	N
8CM020M5	35 50 37	80 34 26	30.0	1.00	<.10	>2.00	>10,000	N	N	N	<20	N
8MK001M5	35 53 20	80 32 31	20.0	2.00	3.00	2.00	5,000	N	N	N	20	50
8MK002M5	35 54 11	80 35 30	30.0	2.00	2.00	>2.00	7,000	N	N	N	20	<50
8MK003M5	35 54 10	80 35 27	20.0	5.00	3.00	2.00	5,000	N	N	N	20	<50
8MK004M5	35 52 56	80 34 38	10.0	.20	5.00	2.00	5,000	N	N	N	<20	N
8MK005M5	35 54 44	80 33 32	10.0	2.00	5.00	1.50	3,000	N	N	N	20	N
8MK006M5	35 55 23	80 33 21	10.0	3.00	3.00	1.50	3,000	N	N	N	20	N
8MK007M5	35 56 18	80 34 23	10.0	5.00	3.00	1.50	2,000	N	N	N	20	N
8MK008M5	35 56 31	80 36 48	15.0	.20	3.00	2.00	3,000	N	N	N	20	N
8MK009M5	35 56 30	80 37 14	15.0	.30	5.00	1.50	2,000	N	N	N	20	N
8MK010M5	35 57 49	80 35 1	10.0	1.50	5.00	1.00	2,000	N	N	N	20	N
8MK011M5	35 56 55	80 33 7	15.0	5.00	3.00	1.50	2,000	N	N	N	20	N
8MK012M5	35 59 22	80 33 16	15.0	5.00	3.00	2.00	3,000	N	N	N	20	N
8MK013M5	35 58 39	80 34 58	15.0	2.00	5.00	1.50	3,000	N	N	N	20	N
8MK014M5	35 59 10	80 35 37	10.0	1.50	5.00	1.00	2,000	N	N	N	20	N
8MK015M5	35 53 12	80 30 48	10.0	5.00	3.00	2.00	2,000	N	N	N	20	50
8MK016M5	35 57 13	80 30 18	15.0	3.00	2.00	2.00	10,000	N	N	N	<20	N
8MK017M5	35 59 5	80 31 32	15.0	3.00	1.50	2.00	3,000	N	N	N	20	N
8MK018M5	35 57 49	80 31 29	15.0	10.00	1.00	.50	2,000	N	N	N	<20	N
8MK019M5	35 59 41	80 37 15	20.0	.50	3.00	2.00	3,000	N	N	N	20	N
9CL001M5	35 52 55	80 41 38	30.0	1.00	.15	>2.00	5,000	N	N	N	<20	N
9CL002M5	35 52 58	80 41 0	20.0	.50	.70	>2.00	7,000	N	N	N	<20	N
9CL003M5	35 54 21	80 38 2	20.0	3.00	5.00	1.00	3,000	N	N	N	20	<50
9CL004M5	35 54 23	80 37 56	15.0	.50	5.00	2.00	3,000	N	N	N	<20	<50
9CL005M5	35 54 48	80 39 17	20.0	1.00	5.00	1.50	3,000	N	N	N	20	N
9CL007M5	35 53 32	80 44 29	20.0	2.00	5.00	1.00	3,000	N	N	N	<20	N
9CL008M5	35 53 31	80 44 27	30.0	2.00	3.00	1.00	5,000	N	N	N	<20	N
9CL009M5	35 54 11	80 44 12	20.0	2.00	3.00	1.00	3,000	N	N	N	<20	<50
9CL010M5	35 55 6	80 44 48	20.0	2.00	3.00	1.50	7,000	N	N	N	<20	N
9CL011M5	35 55 9	80 44 54	20.0	1.50	1.00	2.00	500	N	N	N	<20	N
9CL012M5	35 55 11	80 41 36	20.0	2.00	3.00	1.50	500	N	N	N	20	N
9CL013M5	35 55 55	80 41 50	20.0	1.00	1.50	>2.00	5,000	N	N	N	<20	N
9CL014M5	35 56 39	80 42 57	20.0	1.50	1.00	2.00	7,000	N	N	N	<20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D3--Continued						
8CM006M5	N	N	N	100	300	50	70	N	70	70	30
8CM007M5	N	N	N	100	300	70	50	N	50	50	<20
8CM008M5	N	N	N	50	150	20	N	N	N	20	30
8CM010M5	15	N	N	30	500	10	N	N	N	150	100
8CM011M5	N	N	N	50	150	15	<50	N	<50	50	<20
8CM011M5	2	N	N	100	150	15	N	N	50	30	20
8CM013M5	N	N	N	100	200	20	N	N	500	30	20
8CM014M5	2	N	N	50	20	20	N	N	<50	15	<20
8CM015M5	<2	N	N	100	200	20	N	N	70	70	30
8CM016M5	N	N	N	100	200	30	50	N	50	70	<20
8CM017M5	N	N	N	30	150	50	N	N	5,000	10	50
8CM019M5	N	N	N	70	150	30	200	N	200	20	20
8CM020M5	N	N	N	70	200	20	<50	N	200	20	30
8MK001M5	N	N	N	150	70	70	100	N	700	30	50
8MK002M5	2	N	N	200	100	100	N	N	50	30	30
8MK003M5	2	N	N	100	200	70	N	N	100	70	30
8MK004M5	N	N	N	15	70	10	N	N	150	<10	70
8MK005M5	N	N	N	50	100	30	N	N	<50	20	30
8MK006M5	<2	N	N	50	200	30	<50	N	N	70	20
8MK007M5	N	N	N	50	300	20	N	N	N	100	20
8MK008M5	N	N	N	200	200	100	<50	N	50	15	30
8MK009M5	N	N	N	100	200	50	150	N	50	10	50
8MK010M5	N	N	N	150	150	50	N	N	N	20	30
8MK011M5	N	N	N	100	200	50	N	N	N	100	<20
8MK012M5	2	N	N	100	100	20	<50	N	<50	70	20
8MK013M5	N	N	N	70	70	20	50	N	<50	30	30
8MK014M5	N	N	N	20	70	15	N	N	N	20	30
8MK015M5	<2	N	N	50	70	20	<50	N	70	50	20
8MK016M5	N	N	N	70	100	30	N	N	1,000	70	<20
8MK017M5	N	N	N	100	150	30	N	N	N	100	20
8MK018M5	N	N	N	100	70	50	N	N	N	150	<20
8MK019M5	<2	N	N	500	1,000	150	<50	N	50	50	200
9CL001M5	N	N	N	70	>10,000	20	300	N	200	70	30
9CL002M5	N	N	N	100	10,000	100	150	N	1,000	20	100
9CL003M5	<2	N	N	200	300	200	<50	N	<50	70	30
9CL004M5	N	N	N	70	500	50	50	N	50	10	30
9CL005M5	200	N	N	300	700	200	50	N	<50	50	50
9CL007M5	200	N	N	150	2,000	50	70	N	<50	70	30
9CL008M5	300	N	N	300	1,500	150	N	N	N	100	30
9CL009M5	500	N	N	200	2,000	100	N	N	N	100	30
9CL010M5	200	N	N	200	5,000	50	200	N	<50	70	30
9CL011M5	<2	N	N	200	>10,000	70	200	N	150	100	20
9CL012M5	<2	N	N	150	10,000	30	100	N	50	70	30
9CL013M5	N	N	N	100	300	30	300	N	150	30	30
9CL014M5	N	N	N	100	>10,000	30	300	N	100	70	20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D3--Continued					
8CM006M5	N	50	N	<200	500	N	50	N	300	N
8CM007M5	N	50	N	200	300	N	70	500	300	N
8CM008M5	N	20	N	N	200	N	20	N	70	N
8CM010M5	N	70	N	3,000	700	N	20	N	1,000	N
8CM011M5	N	50	N	200	300	N	100	N	200	N
8CM011M5	N	30	N	N	300	N	200	500	200	N
8CM013M5	N	20	N	N	300	N	200	1,000	150	N
8CM014M5	N	70	N	200	200	N	100	N	150	N
8CM015M5	N	50	N	200	200	N	70	<500	300	N
8CM016M5	N	50	N	<200	200	N	100	N	150	N
8CM017M5	N	70	N	N	150	N	1,000	<500	500	N
8CM019M5	N	20	N	N	200	N	200	1,000	200	N
8CM020M5	N	20	N	N	200	N	100	500	200	N
8MK001M5	N	70	N	500	300	N	200	N	1,000	N
8MK002M5	N	30	N	500	500	N	50	N	300	N
8MK003M5	N	50	N	300	300	N	50	N	700	N
8MK004M5	N	150	N	700	200	N	150	N	700	N
8MK005M5	N	70	N	700	500	N	70	N	150	N
8MK006M5	N	50	N	500	300	N	50	N	150	N
8MK007M5	N	30	N	500	300	N	30	N	200	N
8MK008M5	N	30	N	1,000	500	N	50	N	150	N
8MK009M5	N	30	N	1,000	500	N	30	N	500	N
8MK010M5	N	30	N	1,500	500	N	70	N	500	N
8MK011M5	N	50	N	300	300	N	30	N	100	N
8MK012M5	N	50	N	500	300	N	50	N	100	N
8MK013M5	N	50	N	1,000	300	N	50	N	1,000	N
8MK014M5	N	50	N	1,500	500	N	30	N	150	N
8MK015M5	N	50	N	300	500	N	50	N	500	N
8MK016M5	N	20	N	N	500	N	200	N	70	N
8MK017M5	N	20	N	<200	500	N	30	N	50	N
8MK018M5	N	20	N	N	150	N	20	N	20	N
8MK019M5	N	20	N	1,000	300	N	300	N	300	N
9CL001M5	N	50	N	N	150	N	2,000	500	300	500
9CL002M5	N	70	N	N	200	N	5,000	<500	1,500	200
9CL003M5	N	30	N	1,000	500	N	500	N	500	N
9CL004M5	N	30	N	1,500	500	N	100	N	700	N
9CL005M5	N	30	N	700	500	N	500	N	1,500	N
9CL007M5	N	70	N	1,000	500	N	700	N	1,500	N
9CL008M5	N	50	N	300	500	N	1,000	N	2,000	N
9CL009M5	N	70	N	700	500	N	150	N	1,000	N
9CL010M5	N	50	N	300	300	N	700	N	1,500	N
9CL011M5	N	50	N	N	200	N	2,000	700	1,000	500
9CL012M5	N	70	N	300	300	N	1,000	500	700	200
9CL013M5	N	70	N	N	200	N	1,000	N	2,000	N
9CL014M5	N	70	N	N	200	N	1,500	1,000	300	200

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D3--Continued							
9CL015M5	35 56 48	80 43 38	20.0	1.00	1.00	2.00	5,000	N	N	N	<20	N
9CL016M5	35 58 13	80 42 17	15.0	3.00	5.00	1.00	3,000	N	N	N	50	N
9CL017M5	35 58 10	80 42 18	30.0	1.50	1.00	>2.00	7,000	N	N	N	<20	N
9CL018M5	35 58 37	80 42 45	20.0	2.00	3.00	1.50	5,000	N	N	N	20	N
9CL019M5	35 58 43	80 43 38	15.0	2.00	5.00	1.00	5,000	N	N	N	<20	N
9CL020M5	35 59 26	80 43 40	20.0	2.00	3.00	1.50	7,000	N	N	N	30	N
9CL021M5	35 55 14	80 39 21	30.0	1.00	2.00	2.00	5,000	N	N	N	30	N
9CL022M5	35 56 1	80 39 46	30.0	.70	1.50	>2.00	5,000	N	N	N	20	70
9CL023M5	35 59 39	80 44 9	20.0	1.50	2.00	2.00	7,000	N	N	N	20	N
9CL024M5	35 58 36	80 39 31	20.0	5.00	1.50	1.00	5,000	N	N	N	50	N
9CL025M5	35 58 33	80 39 41	30.0	.50	.70	>2.00	7,000	N	N	N	20	<50
9CL026M5	35 58 0	80 39 51	20.0	1.50	2.00	>2.00	7,000	N	N	N	<20	<50
9CL027M5	35 57 19	80 38 41	30.0	.50	.70	>2.00	10,000	N	N	N	<20	N
9CL028M5	35 57 27	80 38 28	20.0	1.50	3.00	2.00	5,000	N	N	N	20	N
9CL029M5	35 59 56	80 38 40	50.0	1.00	.10	2.00	5,000	N	N	N	<20	100
9CL030M5	35 57 28	80 37 36	20.0	.20	5.00	1.50	2,000	N	N	N	<20	N
9CL031M5	35 56 16	80 37 52	30.0	1.00	3.00	1.50	5,000	N	N	N	<20	N
9CX001M5	35 45 38	80 37 40	15.0	2.00	7.00	.30	1,500	N	N	N	<20	N
9CX002M5	35 45 12	80 38 31	20.0	1.50	2.00	2.00	10,000	N	N	N	<20	N
9CX003M5	35 51 41	80 38 53	10.0	1.00	3.00	1.00	1,500	N	N	N	30	N
9CX004M5	35 50 45	80 39 28	10.0	1.50	5.00	.50	1,000	N	N	N	20	N
9CX005M5	35 50 14	80 37 44	10.0	2.00	5.00	.50	1,500	N	N	N	<20	N
9CX006M5	35 48 55	80 37 46	10.0	1.50	5.00	1.00	1,500	N	N	N	<20	<50
9CX007M5	35 47 56	80 38 30	15.0	2.00	5.00	.70	1,500	N	N	N	20	N
9CX008M5	35 47 6	80 40 37	10.0	2.00	5.00	.70	1,500	N	N	N	<20	N
9CX009M5	35 46 18	80 40 55	10.0	1.50	5.00	.70	2,000	N	N	N	<20	N
9CX010M5	35 46 37	80 39 30	10.0	5.00	3.00	.50	1,500	N	N	N	<20	N
9CX011M5	35 47 7	80 42 23	10.0	1.50	5.00	2.00	2,000	N	N	N	50	N
9CX012M5	35 46 59	80 43 8	10.0	3.00	5.00	1.50	2,000	N	N	N	<20	<50
9CX013M5	35 47 3	80 43 14	10.0	2.00	5.00	1.50	2,000	N	N	N	20	N
9CX014M5	35 46 20	80 43 34	15.0	2.00	3.00	>2.00	2,000	N	N	N	20	N
9CX015M5	35 50 38	80 40 59	10.0	1.00	5.00	.70	1,500	N	N	N	20	N
9CX016M5	35 52 6	80 43 13	10.0	3.00	2.00	1.00	3,000	N	N	N	20	N
9CX017M5	35 50 26	80 43 1	10.0	1.00	10.00	.70	2,000	N	N	N	30	N
9CX018M5	35 47 57	80 39 30	10.0	2.00	5.00	.70	1,500	N	N	N	<20	N
9CX019M5	35 48 26	80 39 25	10.0	2.00	3.00	.70	1,500	N	N	N	20	N
9CX020M5	35 49 26	80 39 23	10.0	1.50	5.00	1.00	1,500	N	N	N	20	N
9CX021M5	35 50 24	80 39 31	10.0	2.00	5.00	1.00	1,500	N	N	N	20	N
9CX022M5	35 49 31	80 40 13	10.0	2.00	5.00	1.50	2,000	N	N	N	<20	N
9CX023M5	35 47 58	80 41 16	10.0	2.00	5.00	.50	1,500	N	N	N	20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D3--Continued						
9CL015M5	N	N	N	150	>10,000	30	700	N	100	100	30
9CL016M5	2	N	N	70	1,000	20	N	N	100	70	30
9CL017M5	N	N	N	70	1,000	50	100	N	150	20	50
9CL018M5	2	N	N	100	500	30	N	N	70	70	50
9CL019M5	3	N	N	100	500	20	N	N	50	50	50
9CL020M5	2	N	N	100	300	50	N	N	150	30	30
9CL021M5	3	N	N	1,000	1,500	200	N	N	<50	100	50
9CL022M5	2	N	N	500	5,000	200	200	15	200	100	100
9CL023M5	3	N	N	70	2,000	20	N	N	200	20	30
9CL024M5	N	N	N	200	500	150	150	N	<50	150	50
9CL025M5	5	N	N	300	2,000	100	100	N	500	70	300
9CL026M5	3	N	N	200	1,500	100	100	N	700	70	100
9CL027M5	3	N	N	200	2,000	100	300	N	200	50	150
9CL028M5	<2	N	N	200	1,000	100	<50	N	100	50	50
9CL029M5	7	N	N	50	100	70	150	N	500	50	200
9CL030M5	N	N	N	200	300	100	150	N	<50	10	50
9CL031M5	2	N	N	1,000	3,000	20	300	N	<50	70	70
9CX001M5	N	N	N	20	200	10	100	N	N	20	50
9CX002M5	N	N	N	70	100	30	70	N	N	15	20
9CX003M5	N	N	N	50	2,000	30	>2,000	N	50	20	150
9CX004M5	N	N	N	50	150	30	1,000	N	N	20	20
9CX005M5	N	N	N	50	200	20	100	N	N	50	<20
9CX006M5	N	N	N	100	150	30	70	N	N	20	<20
9CX007M5	N	N	N	100	200	50	50	N	N	50	<20
9CX008M5	N	N	N	100	150	20	150	N	N	50	<20
9CX009M5	N	N	N	20	200	10	100	N	N	20	<20
9CX010M5	N	N	N	70	200	15	<50	N	N	100	<20
9CX011M5	N	N	N	100	200	20	100	N	N	20	<20
9CX012M5	N	N	N	150	200	50	100	N	N	70	<20
9CX013M5	N	N	N	150	200	50	100	N	N	30	<20
9CX014M5	N	N	N	100	200	70	100	N	N	30	<20
9CX015M5	N	N	N	150	100	50	200	N	N	20	<20
9CX016M5	N	N	N	70	700	30	>2,000	N	N	50	200
9CX017M5	N	N	N	70	200	20	1,500	N	N	20	50
9CX018M5	N	N	N	100	200	20	150	N	50	30	<20
9CX019M5	N	N	N	50	150	20	100	N	N	50	<20
9CX020M5	N	N	N	100	150	30	150	N	50	30	<20
9CX021M5	N	N	N	100	100	30	200	N	N	30	<20
9CX022M5	N	N	N	50	100	20	<50	N	N	30	<20
9CX023M5	N	N	N	100	150	20	500	N	50	50	<20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D3--Continued					
9CL015M5	N	50	N	<200	200	N	1,500	1,500	700	1,500
9CL016M5	N	100	N	500	300	N	700	N	200	N
9CL017M5	N	70	N	<200	150	N	3,000	<500	300	N
9CL018M5	N	70	N	300	200	N	2,000	N	1,000	N
9CL019M5	N	100	N	500	300	N	1,500	N	300	N
9CL020M5	N	70	N	300	200	N	2,000	N	500	N
9CL021M5	N	20	N	500	500	N	200	N	2,000	N
9CL022M5	N	30	N	300	300	N	1,000	N	>2,000	N
9CL023M5	N	70	N	200	300	N	1,500	N	700	200
9CL024M5	N	50	N	<200	200	N	500	N	200	N
9CL025M5	N	30	N	200	300	N	2,000	700	1,000	N
9CL026M5	N	50	N	200	300	N	1,000	N	500	N
9CL027M5	N	20	N	N	300	N	1,000	<500	1,500	N
9CL028M5	N	30	N	1,000	300	N	200	N	700	N
9CL029M5	N	20	N	N	500	N	2,000	N	700	N
9CL030M5	N	30	N	2,000	500	N	50	N	300	N
9CL031M5	N	20	N	1,000	500	N	70	N	500	N
9CX001M5	N	70	N	2,000	500	N	30	N	100	N
9CX002M5	N	50	N	500	300	N	100	N	>2,000	N
9CX003M5	N	10	<20	700	200	N	1,000	N	1,000	3,000
9CX004M5	N	50	N	1,000	300	N	150	N	500	500
9CX005M5	N	50	N	1,000	300	N	30	N	150	N
9CX006M5	N	50	N	1,000	500	N	50	N	300	N
9CX007M5	N	30	N	1,000	500	N	30	N	300	N
9CX008M5	N	50	N	700	500	N	50	N	300	N
9CX009M5	N	70	N	1,000	500	N	70	N	500	N
9CX010M5	N	30	N	300	300	N	20	N	50	N
9CX011M5	N	30	N	1,000	500	N	50	N	1,000	N
9CX012M5	N	50	N	700	500	N	70	N	500	N
9CX013M5	N	30	N	1,000	500	N	30	N	200	N
9CX014M5	N	30	N	700	700	N	100	N	150	N
9CX015M5	N	30	N	1,000	500	N	70	N	150	N
9CX016M5	N	10	N	N	200	N	3,000	N	700	5,000
9CX017M5	N	70	N	1,000	500	N	1,500	N	300	700
9CX018M5	N	50	N	700	500	N	70	N	1,000	N
9CX019M5	N	70	N	700	300	N	50	N	700	N
9CX020M5	N	70	N	700	300	N	30	N	700	N
9CX021M5	N	50	N	1,000	500	N	70	N	700	N
9CX022M5	N	30	N	1,000	300	N	20	N	200	N
9CX023M5	N	50	N	700	300	N	70	N	1,000	<200

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D3--Continued							
9CX024M5	35 49 10	80 41 29	10.0	1.50	5.00	1.00	2,000	N	N	N	20	N
9CX025M5	35 47 48	80 41 46	10.0	3.00	5.00	.50	2,000	N	N	N	<20	N
9CX026M5	35 49 55	80 43 11	10.0	.70	5.00	.70	2,000	N	N	N	20	N
					D5							
9HD001M5	35 53 43	81 5 44	20.0	.30	<.10	>2.00	5,000	N	N	N	<20	N
9HD002M5	35 53 15	81 5 52	20.0	.20	<.10	>2.00	5,000	N	N	N	<20	N
9HD003M5	35 53 8	81 6 43	30.0	.20	<.10	>2.00	3,000	N	N	N	<20	N
9HD004M5	35 54 50	81 5 25	20.0	.70	.20	>2.00	10,000	N	N	N	30	N
9HD005M5	35 54 56	81 5 26	20.0	.70	.20	>2.00	7,000	N	N	N	20	N
9HD006M5	35 55 15	81 6 29	20.0	.50	.10	>2.00	7,000	N	N	N	<20	N
9HD007M5	35 53 56	81 2 43	20.0	.50	<.10	>2.00	5,000	N	N	N	20	N
9HD009M5	35 55 54	81 3 27	20.0	.50	.10	>2.00	10,000	N	N	N	<20	N
9HD010M5	35 56 18	81 3 13	20.0	.30	.10	>2.00	7,000	N	N	N	N	N
9HD011M5	35 56 14	81 3 14	20.0	.30	.10	>2.00	10,000	N	N	N	30	N
9HD012M5	35 57 1	81 3 16	20.0	.20	.10	>2.00	5,000	N	N	N	<20	N
9ME001M5	35 45 0	81 15 0	30.0	.30	N	>2.00	7,000	N	N	N	<20	N
9ME001M5	35 45 0	81 15 0	20.0	1.50	.50	>2.00	7,000	N	N	N	<20	N
9ME002M5	35 45 12	81 12 59	30.0	.30	<.10	>2.00	7,000	N	N	N	N	N
9ME002M5	35 45 12	81 12 59	20.0	1.50	.50	>2.00	7,000	N	N	N	<20	N
9ME003M5	35 46 37	81 12 35	30.0	.30	<.10	>2.00	7,000	N	N	N	N	N
9ME003M5	35 46 37	81 12 35	20.0	1.00	.20	>2.00	7,000	N	N	N	<20	N
9ME004M5	35 46 18	81 11 13	20.0	.20	<.10	>2.00	5,000	N	N	N	N	N
9ME004M5	35 46 18	81 11 13	20.0	1.50	1.00	>2.00	7,000	N	N	N	<20	N
9ME005M5	35 46 22	81 11 22	30.0	.20	.10	>2.00	5,000	N	N	N	<20	N
9ME006M5	35 48 6	81 10 13	20.0	1.00	.50	>2.00	7,000	N	N	N	<20	<50
9ME007M5	35 48 3	81 10 11	30.0	.70	.20	>2.00	7,000	N	N	N	<20	N
9ME008M5	35 45 27	81 9 53	20.0	.70	.50	>2.00	7,000	N	N	N	<20	N
9ME009M5	35 48 5	81 9 11	20.0	.50	.15	>2.00	5,000	N	N	N	<20	N
9ME010M5	35 46 57	81 9 59	30.0	1.00	.70	>2.00	7,000	N	N	N	<20	<50
9SP001M5	35 51 46	81 7 5	20.0	.20	N	>2.00	2,000	N	N	N	N	N
9SP002M5	35 51 52	81 7 20	20.0	.30	<.10	>2.00	2,000	N	N	N	N	N
9TV001M5	35 53 43	81 11 4	20.0	.50	.10	>2.00	7,000	N	N	N	20	N
9TV002M5	35 53 55	81 11 37	20.0	.50	.10	>2.00	10,000	N	N	N	20	N
9TV003M5	35 52 49	81 13 41	30.0	.70	.10	>2.00	10,000	N	N	N	20	N
9TV004M5	35 52 46	81 13 39	30.0	.70	.10	>2.00	10,000	N	N	N	N	N
9TV005M5	35 54 15	81 14 46	30.0	.70	.30	>2.00	>10,000	N	N	N	<20	N
9TV006M5	35 54 11	81 14 42	30.0	.70	.20	>2.00	10,000	N	N	N	N	N
9TV007M5	35 55 23	81 14 6	30.0	.30	<.10	>2.00	7,000	N	N	N	N	N
9TV008M5	35 56 10	81 14 45	30.0	.15	<.10	>2.00	10,000	N	N	N	N	N
9TV009M5	35 57 37	81 14 48	30.0	.70	.10	>2.00	10,000	N	N	N	20	N
9TV010M5	35 58 16	81 13 54	20.0	.30	.10	>2.00	10,000	N	N	N	N	N
9TV011M5	35 58 57	81 13 56	30.0	1.00	.15	>2.00	10,000	N	N	N	<20	N
9TV012M5	35 58 59	81 13 58	30.0	.30	<.10	>2.00	10,000	N	N	N	N	N
9TV013M5	35 59 3	81 12 33	20.0	.70	.10	>2.00	7,000	N	N	N	<20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D3--Continued						
9CX024M5	N	N	N	20	500	15	300	N	N	20	20
9CX025M5	N	N	N	150	150	30	50	N	N	70	<20
9CX026M5	N	N	N	100	300	20	300	N	N	15	20
					D5--Continued						
9HD001M5	N	N	N	30	100	<10	200	N	50	<10	<20
9HD002M5	N	N	N	50	50	10	300	N	70	<10	<20
9HD003M5	N	N	N	50	200	<10	1,000	N	50	<10	30
9HD004M5	N	N	N	15	50	<10	1,500	N	100	<10	20
9HD005M5	N	N	N	20	50	15	200	N	70	<10	20
9HD006M5	N	N	N	20	150	<10	700	N	100	<10	20
9HD007M5	N	N	N	30	30	<10	150	N	70	<10	<20
9HD009M5	N	N	N	30	150	10	500	N	200	10	20
9HD010M5	N	N	N	50	150	10	700	N	200	10	20
9HD011M5	N	N	N	50	200	10	500	N	200	10	30
9HD012M5	N	N	N	50	500	15	700	N	150	15	30
9ME001M5	N	N	N	70	100	15	300	N	100	15	20
9ME001M5	N	N	N	50	500	15	50	N	150	10	20
9ME002M5	N	N	N	70	100	10	100	N	150	15	20
9ME002M5	N	N	N	50	150	15	150	N	200	10	20
9ME003M5	N	N	N	70	200	20	100	N	200	20	20
9ME003M5	N	N	N	50	100	15	1,000	N	200	15	20
9ME004M5	N	N	N	70	2,000	20	200	N	500	15	50
9ME004M5	N	N	N	100	100	15	700	N	150	20	30
9ME005M5	N	N	N	100	100	15	200	N	300	20	<20
9ME006M5	N	N	N	100	200	10	500	N	150	20	20
9ME007M5	N	N	N	70	150	20	300	N	200	20	20
9ME008M5	N	N	N	100	10,000	20	300	N	300	70	20
9ME009M5	N	N	N	100	150	10	300	N	150	20	30
9ME010M5	N	N	N	100	500	30	150	N	200	50	30
9SP001M5	N	N	N	70	150	20	500	N	150	30	30
9SP002M5	N	N	N	70	150	30	700	N	100	30	20
9TV001M5	N	N	N	50	500	20	300	N	200	15	50
9TV002M5	N	N	N	50	150	15	1,500	N	200	15	200
9TV003M5	N	N	N	50	70	15	50	N	200	<10	20
9TV004M5	N	N	N	50	70	15	150	N	200	10	<20
9TV005M5	N	N	N	30	50	20	500	N	150	<10	20
9TV006M5	N	N	N	50	50	20	700	N	150	<10	20
9TV007M5	N	N	N	50	70	15	700	N	200	10	30
9TV008M5	N	N	N	50	50	20	200	N	150	10	<20
9TV009M5	N	N	N	70	100	15	500	N	200	15	30
9TV010M5	N	N	N	50	70	10	300	N	300	<10	20
9TV011M5	N	N	N	50	200	10	300	N	200	20	20
9TV012M5	N	N	N	50	300	10	300	N	200	20	20
9TV013M5	N	N	N	70	150	15	700	N	200	10	20

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D3--Continued					
9CX024M5	N	50	N	1,000	200	N	100	N	200	N
9CX025M5	N	50	N	700	300	N	30	N	300	N
9CX026M5	N	70	N	1,000	300	N	70	N	300	N
					D5--Continued					
9HD001M5	N	20	N	N	150	N	500	500	20	N
9HD002M5	N	20	N	N	100	N	700	500	50	N
9HD003M5	N	30	N	N	150	N	300	1,000	50	N
9HD004M5	N	50	N	N	70	N	1,000	<500	30	300
9HD005M5	N	50	N	N	100	N	1,500	500	50	N
9HD006M5	N	30	N	N	100	N	1,500	1,000	30	N
9HD007M5	N	20	N	N	100	N	1,000	1,000	30	N
9HD009M5	N	100	N	N	100	N	2,000	500	200	N
9HD010M5	N	70	N	N	150	N	1,500	700	500	N
9HD011M5	N	70	N	N	100	N	1,000	700	70	N
9HD012M5	N	50	N	N	200	N	3,000	700	500	300
9ME001M5	N	20	N	N	150	N	1,000	700	150	N
9ME001M5	N	100	N	N	100	N	1,000	500	150	N
9ME002M5	N	20	N	N	200	N	150	700	200	N
9ME002M5	N	150	N	N	100	N	500	<500	200	N
9ME003M5	N	20	N	N	150	N	200	1,000	70	N
9ME003M5	N	100	N	N	100	N	500	500	150	N
9ME004M5	N	20	N	N	150	N	200	1,500	200	N
9ME004M5	N	70	N	N	150	N	300	<500	200	N
9ME005M5	N	30	N	N	150	N	150	700	500	N
9ME006M5	N	50	N	N	150	N	200	700	50	N
9ME007M5	N	100	N	N	100	N	700	1,000	150	N
9ME008M5	N	70	N	N	100	N	500	1,000	200	N
9ME009M5	N	30	N	N	100	N	700	1,000	300	N
9ME010M5	N	50	N	N	100	N	700	1,000	200	N
9SP001M5	N	30	N	N	200	N	300	1,000	150	N
9SP002M5	N	30	N	N	200	N	500	1,500	150	N
9TV001M5	N	50	N	N	100	N	2,000	500	150	N
9TV002M5	N	70	N	N	100	N	2,000	<500	300	500
9TV003M5	N	70	100	N	150	N	1,500	700	150	N
9TV004M5	N	70	N	N	100	N	1,500	1,000	150	N
9TV005M5	N	70	N	N	100	N	700	500	300	N
9TV006M5	N	100	N	N	70	N	1,000	700	150	N
9TV007M5	N	50	N	N	100	N	1,500	1,000	100	300
9TV008M5	N	20	N	N	70	N	700	1,000	100	N
9TV009M5	N	50	N	N	100	N	1,000	700	200	N
9TV010M5	N	30	N	N	70	N	1,000	700	700	N
9TV011M5	N	50	N	N	100	N	1,000	700	200	N
9TV012M5	N	30	N	N	150	N	700	1,000	200	N
9TV013M5	N	70	N	N	100	N	700	700	100	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D5--Continued							
9TV014M5	35 53 42	81 9 51	30.0	.50	.10	>2.00	10,000	N	N	N	N	N
9TV015M5	35 54 7	81 9 53	30.0	.50	.15	>2.00	10,000	N	N	N	N	N
9TV016M5	35 52 43	81 8 14	20.0	2.00	.20	>2.00	10,000	N	N	N	N	N
					D6							
9BH001M5	35 45 24	81 19 1	20.0	.30	<.10	>2.00	3,000	N	N	N	<20	N
9BH002M5	35 45 40	81 17 36	20.0	.50	.10	>2.00	3,000	N	N	N	<20	N
9BH003M5	35 45 23	81 15 26	20.0	1.50	.20	2.00	5,000	N	N	N	20	N
9BH004M5	35 46 52	81 16 46	20.0	1.00	.15	>2.00	5,000	N	N	N	<20	N
9BH005M5	35 46 18	81 19 11	20.0	.70	.10	>2.00	5,000	N	N	N	<20	N
9BH006M5	35 46 13	81 17 12	20.0	1.00	.15	>2.00	7,000	N	N	N	<20	N
9ME001M5	35 45 0	81 15 0	30.0	.30	N	>2.00	7,000	N	N	N	<20	N
9ME001M5	35 45 0	81 15 0	20.0	1.50	.50	>2.00	7,000	N	N	N	<20	N
					D7							
9BM013M5	35 56 33	81 42 50	20.0	.05	.30	>2.00	7,000	N	N	N	N	N
9BM014M5	35 56 19	81 42 36	50.0	.05	.20	>2.00	5,000	N	N	N	N	N
9BM015M5	35 56 40	81 42 22	30.0	.05	<.10	2.00	7,000	N	N	N	N	N
9BM016M5	35 56 37	81 42 22	30.0	.07	.50	>2.00	>10,000	N	N	N	N	<50
9BM023M5	35 57 39	81 40 44	20.0	.05	1.50	>2.00	>10,000	N	N	N	<20	N
9BM024M5	35 57 50	81 40 38	20.0	.05	1.50	>2.00	>10,000	N	N	N	<20	<50
9BM025M5	35 57 59	81 40 28	20.0	.05	1.50	>2.00	>10,000	N	N	N	20	N
9BM026M5	35 58 16	81 41 9	10.0	<.05	1.50	>2.00	10,000	N	N	N	N	N
9DX001M5	35 45 38	81 37 17	30.0	.15	<.05	>2.00	5,000	N	N	N	<10	N
9DX001M5	35 45 38	81 37 17	20.0	.50	<.10	>2.00	5,000	N	N	N	<20	N
9DX002M5	35 46 2	81 36 35	30.0	.70	.10	>2.00	7,000	N	N	N	<20	N
9DX002M5	35 46 2	81 36 35	20.0	.70	.30	>2.00	7,000	N	N	N	<20	N
9DX003M5	35 45 38	81 35 23	30.0	.15	<.05	<.10	7,000	N	N	N	<10	<20
9DX003M5	35 45 38	81 35 23	20.0	.50	<.10	>2.00	7,000	N	N	N	<20	N
9DX004M5	35 45 41	81 34 4	30.0	.70	.20	>2.00	7,000	N	N	N	<20	N
9DX004M5	35 45 41	81 34 4	20.0	1.50	3.00	1.00	5,000	N	N	N	<20	50
9DX005M5	35 45 2	81 32 40	20.0	1.00	.20	>2.00	7,000	N	N	N	<20	N
9DX006M5	35 45 56	81 30 1	20.0	.50	.10	>2.00	7,000	N	N	N	20	N
9LR001M5	35 57 4	81 35 40	20.0	1.00	1.50	2.00	5,000	N	N	N	20	N
9LR002M5	35 58 17	81 34 36	20.0	1.00	1.00	2.00	10,000	N	N	N	30	N
9LR003M5	35 59 25	81 31 40	15.0	.50	1.50	>2.00	7,000	N	N	N	200	N
9LR004M5	35 57 17	81 32 39	15.0	1.50	2.00	1.50	7,000	N	N	N	20	N
9LR005M5	35 57 11	81 32 51	15.0	1.50	1.00	2.00	7,000	N	N	N	50	N
9LR006M5	35 52 48	81 35 21	15.0	2.00	5.00	1.00	7,000	N	N	N	20	N
9MN001M5	35 47 57	81 40 36	20.0	5.00	3.00	.70	5,000	N	N	N	<20	N
9MN002M5	35 48 23	81 39 50	20.0	3.00	5.00	.70	5,000	N	N	N	<20	N
9MN003M5	35 48 57	81 39 28	20.0	5.00	5.00	.70	3,000	N	N	N	20	N
9MN004M5	35 49 37	81 39 13	20.0	3.00	3.00	1.50	7,000	N	N	N	<20	N
9MN005M5	35 50 38	81 39 21	20.0	1.50	2.00	1.50	>10,000	N	N	N	20	N
9MN006M5	35 50 54	81 42 32	20.0	2.00	3.00	1.00	10,000	N	N	N	20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D5--Continued						
9TV014M5	N	N	N	50	50	20	300	N	200	10	30
9TV015M5	N	N	N	30	100	10	300	N	500	<10	30
9TV016M5	N	N	N	50	200	10	500	N	100	10	50
					D6--Continued						
9BH001M5	N	N	N	30	100	20	2,000	N	100	<10	70
9BH002M5	N	N	N	30	100	15	1,500	N	100	10	100
9BH003M5	N	N	N	30	500	20	>2,000	N	150	N	200
9BH004M5	N	N	N	20	70	10	1,500	N	150	<10	70
9BH005M5	N	N	N	30	500	10	1,500	N	150	10	70
9BH006M5	N	N	N	20	500	15	1,500	N	150	<10	150
9ME001M5	N	N	N	70	100	15	300	N	100	15	20
9ME001M5	N	N	N	50	500	15	50	N	150	10	20
					D7--Continued						
9BM013M5	3	N	N	10	30	<10	700	N	>5,000	70	300
9BM014M5	5	N	N	<10	50	10	500	N	>5,000	100	200
9BM015M5	3	N	N	N	50	N	100	N	>5,000	100	200
9BM016M5	2	N	N	30	50	N	50	N	150	<10	20
9BM023M5	3	N	N	30	<20	N	100	10	500	<10	30
9BM024M5	5	N	N	20	30	N	50	10	300	<10	30
9BM025M5	5	N	N	15	<20	N	200	10	500	<10	30
9BM026M5	10	N	N	15	<20	N	500	10	500	<10	20
9DX001M5	N	N	N	50	70	10	1,000	N	150	10	20
9DX001M5	N	N	N	50	150	20	500	N	200	10	50
9DX002M5	N	N	N	50	50	10	300	N	150	10	20
9DX002M5	N	N	N	50	150	20	300	N	300	20	50
9DX003M5	N	N	N	50	100	10	500	N	150	15	20
9DX003M5	N	N	N	50	150	20	500	N	500	20	50
9DX004M5	N	N	N	30	100	10	150	N	150	10	<20
9DX004M5	5	N	N	150	300	200	300	N	200	100	70
9DX005M5	N	N	N	30	70	15	500	N	200	15	20
9DX006M5	N	N	N	50	50	15	1,000	N	300	15	20
9LR001M5	N	N	N	200	150	50	100	N	100	30	20
9LR002M5	N	N	N	200	100	50	N	N	200	20	30
9LR003M5	3	N	N	50	70	30	50	N	300	10	50
9LR004M5	3	N	N	70	100	20	150	N	100	30	30
9LR005M5	2	N	N	50	100	20	150	N	150	20	20
9LR006M5	N	N	N	70	150	30	150	N	N	50	50
9MN001M5	2	N	N	70	200	15	N	N	N	70	20
9MN002M5	2	N	N	100	200	100	N	N	N	70	50
9MN003M5	2	N	N	150	300	100	N	N	N	100	30
9MN004M5	2	N	N	100	300	70	N	N	50	70	30
9MN005M5	<2	N	N	100	100	100	150	N	200	30	50
9MN006M5	N	N	N	70	200	100	100	N	150	50	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D5--Continued					
9TV014M5	N	50	N	N	100	N	2,000	1,000	700	N
9TV015M5	N	50	N	N	70	N	3,000	500	1,000	N
9TV016M5	N	100	N	N	150	N	1,000	<500	500	200
					D6--Continued					
9BH001M5	N	10	N	N	70	N	2,000	<500	300	1,500
9BH002M5	N	10	N	N	70	N	2,000	N	500	1,000
9BH003M5	N	10	N	N	70	N	3,000	N	700	10,000
9BH004M5	N	10	N	N	70	N	3,000	<500	500	1,000
9BH005M5	N	10	N	N	70	N	1,000	<500	100	1,000
9BH006M5	N	10	N	N	70	N	3,000	<500	300	1,500
9ME001M5	N	20	N	N	150	N	1,000	700	150	N
9ME001M5	N	100	N	N	100	N	1,000	500	150	N
					D7--Continued					
9BM013M5	N	15	>2,000	N	70	N	>5,000	N	2,000	N
9BM014M5	N	15	300	N	70	N	>5,000	N	>2,000	N
9BM015M5	N	10	1,000	N	50	N	>5,000	N	2,000	N
9BM016M5	N	20	N	N	100	N	100	N	1,000	N
9BM023M5	N	20	<20	N	70	N	700	N	>2,000	N
9BM024M5	N	30	<20	N	150	N	300	N	>2,000	N
9BM025M5	N	30	<20	N	70	N	300	N	>2,000	N
9BM026M5	N	20	<20	N	50	N	500	N	>2,000	1,000
9DX001M5	N	15	N	N	100	N	300	500	100	N
9DX001M5	N	70	N	<200	150	N	>5,000	N	700	200
9DX002M5	N	50	N	N	100	1,000	500	2,000	150	N
9DX002M5	N	100	N	<200	150	N	>5,000	N	1,000	200
9DX003M5	N	30	N	N	100	N	1,000	N	100	N
9DX003M5	N	70	N	<200	100	N	>5,000	N	2,000	300
9DX004M5	N	70	N	N	100	N	2,000	N	300	N
9DX004M5	N	70	N	<200	200	N	>5,000	1,000	1,000	200
9DX005M5	N	70	N	N	100	N	5,000	N	700	300
9DX006M5	N	50	N	N	100	N	2,000	N	300	500
9LR001M5	N	70	N	200	200	N	1,000	N	700	N
9LR002M5	N	50	N	N	200	N	1,000	N	700	N
9LR003M5	N	70	N	200	200	N	2,000	N	>2,000	N
9LR004M5	N	50	N	<200	200	N	2,000	N	1,000	N
9LR005M5	N	70	N	<200	150	N	3,000	N	1,000	N
9LR006M5	N	70	N	300	300	N	2,000	1,000	300	N
9MN001M5	N	70	N	200	500	N	50	N	500	N
9MN002M5	N	50	N	700	500	N	50	N	200	N
9MN003M5	N	70	N	200	500	N	30	N	700	N
9MN004M5	N	50	N	<200	300	N	1,500	N	500	N
9MN005M5	N	70	N	200	300	N	5,000	5,000	1,000	<200
9MN006M5	N	50	N	200	200	N	5,000	N	1,000	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D7--Continued							
9MN007M5	35 50 55	81 42 34	15.0	1.00	1.50	2.00	10,000	N	N	N	20	N
9MN008M5	35 50 42	81 43 36	30.0	.70	1.00	2.00	7,000	N	N	N	30	N
9MN009M5	35 51 8	81 44 0	30.0	.30	.70	>2.00	7,000	N	N	N	20	N
9MN010M5	35 50 48	81 41 21	7.0	.30	.20	.50	5,000	N	N	N	20	N
9MN011M5	35 50 51	81 41 19	20.0	2.00	2.00	.70	5,000	N	N	N	20	N
9MN012M5	35 50 43	81 41 10	30.0	.50	.70	>2.00	7,000	N	N	N	20	N
					D8							
9AS001M5	35 48 21	81 53 46	20.0	.50	1.50	>2.00	10,000	N	N	N	20	50
9AS002M5	35 46 35	81 56 5	20.0	.30	1.50	>2.00	10,000	N	N	N	<20	N
9AS002M5	35 46 35	81 56 5	30.0	.07	N	>2.00	5,000	N	N	N	50	N
9AS003M5	35 46 35	81 56 7	30.0	.30	1.50	>2.00	10,000	N	N	N	20	N
9AS003M5	35 46 35	81 56 7	20.0	.10	<.10	>2.00	7,000	N	N	N	20	50
9AS004M5	35 46 34	81 57 5	20.0	.20	1.50	>2.00	>10,000	N	N	N	<20	N
9AS004M5	35 46 34	81 57 5	20.0	.50	1.50	>2.00	5,000	N	N	N	200	300
9AS005M5	35 46 29	81 57 9	20.0	.10	.10	>2.00	7,000	N	N	N	<20	50
9AS006M5	35 46 28	81 57 14	20.0	.10	<.10	>2.00	2,000	N	N	N	500	50
9AS007M5	35 45 46	81 56 25	30.0	.05	.70	>2.00	5,000	N	N	N	200	100
9AS008M5	35 46 18	81 57 35	20.0	.07	<.10	>2.00	7,000	N	N	N	150	70
9AS009M5	35 46 46	81 57 41	20.0	.15	N	>2.00	3,000	N	N	N	500	200
9AS010M5	35 45 23	81 58 6	30.0	.10	.15	>2.00	7,000	N	N	N	300	200
9AS011M5	35 45 10	81 58 24	20.0	.30	.50	>2.00	7,000	N	N	N	<20	N
9AS013M5	35 49 9	81 56 29	20.0	.20	<.10	>2.00	1,000	N	N	N	1,000	100
9AS014M5	35 48 57	81 54 51	20.0	.30	<.10	>2.00	3,000	N	N	N	100	150
9AS015M5	35 48 51	81 55 21	20.0	.30	N	>2.00	1,000	N	N	N	50	150
9AS016M5	35 48 31	81 55 47	30.0	.15	<.10	>2.00	1,000	N	N	N	20	200
9CT001M5	35 56 43	81 51 26	20.0	.50	1.00	>2.00	10,000	N	N	N	20	N
9CT001M5	35 56 43	81 51 26	20.0	.20	.10	>2.00	>10,000	N	N	N	20	N
9CT002M5	35 56 29	81 51 44	20.0	.07	.20	>2.00	10,000	N	N	N	70	N
9CT002M5	35 56 29	81 51 44	20.0	.10	.15	>2.00	10,000	N	N	N	20	N
9CT003M5	35 55 58	81 51 47	20.0	.20	.15	>2.00	7,000	N	N	N	<20	N
9CT003M5	35 55 58	81 51 47	20.0	.05	<.10	>2.00	>10,000	N	N	N	20	<50
9CT004M5	35 55 27	81 52 22	20.0	.10	.20	>2.00	7,000	N	N	N	30	100
9CT005M5	35 54 43	81 52 11	30.0	.15	.10	1.00	500	N	N	N	<20	300
9CT006M5	35 54 19	81 52 23	30.0	.20	.10	1.50	500	N	N	N	20	300
9CT008M5	35 57 35	81 52 11	20.0	.10	.20	>2.00	7,000	N	N	N	20	50
9CT009M5	35 56 20	81 48 56	20.0	.20	.70	>2.00	>10,000	N	N	N	20	<50
9CT010M5	35 55 56	81 48 19	20.0	.20	.20	>2.00	>10,000	N	N	N	20	<50
9CT011M5	35 55 5	81 48 4	20.0	1.00	.70	>2.00	10,000	N	N	N	20	<50
9CT013M5	35 58 22	81 48 1	15.0	.50	.20	>2.00	10,000	N	N	N	<20	N
9CT019M5	35 57 21	81 49 8	20.0	.30	.20	>2.00	>10,000	N	N	N	<20	N
9CT020M5	35 57 24	81 48 52	20.0	1.00	.20	2.00	>10,000	N	N	N	<20	N
9CT025M5	35 58 10	81 47 13	20.0	.20	.15	>2.00	10,000	N	N	N	20	100

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D7--Continued						
9MN007M5	N	N	N	50	100	30	1,000	N	500	20	150
9MN008M5	<2	N	N	70	150	50	700	N	200	20	70
9MN009M5	N	N	N	70	70	30	N	N	500	20	20
9MN010M5	N	N	N	50	70	50	>2,000	N	70	20	300
9MN011M5	<2	N	N	70	500	100	500	N	200	70	150
9MN012M5	N	N	N	70	200	100	200	N	200	20	100
					D8--Continued						
9AS001M5	N	N	N	70	200	30	50	N	150	20	20
9AS002M5	N	N	N	100	70	15	150	N	100	15	20
9AS002M5	N	N	N	100	50	15	N	N	100	20	100
9AS003M5	N	N	N	70	200	20	200	N	200	15	30
9AS003M5	N	N	N	70	50	15	N	N	150	20	20
9AS004M5	N	N	N	70	100	20	N	N	100	15	<20
9AS004M5	<2	N	N	70	70	50	50	N	150	30	70
9AS005M5	N	N	N	70	70	<10	<50	N	100	<10	20
9AS006M5	N	N	N	50	100	50	150	N	200	15	30
9AS007M5	<2	N	N	200	300	50	1,000	N	100	30	100
9AS008M5	N	N	N	100	150	30	700	N	200	20	30
9AS009M5	2	N	N	100	100	50	150	N	200	30	30
9AS010M5	<2	N	N	150	300	50	150	N	200	15	100
9AS011M5	N	N	N	100	70	10	150	N	150	10	50
9AS013M5	N	N	N	100	200	100	100	N	300	20	100
9AS014M5	2	N	N	20	100	20	1,000	N	150	15	70
9AS015M5	N	N	N	20	150	20	500	N	100	30	70
9AS016M5	N	N	N	20	200	15	150	N	100	20	150
9CT001M5	5	N	N	30	50	N	1,000	N	200	<10	100
9CT001M5	2	N	N	30	50	<10	2,000	N	200	<10	100
9CT002M5	2	N	N	50	30	N	200	N	200	<10	50
9CT002M5	3	N	N	50	<20	N	2,000	N	200	10	70
9CT003M5	1	N	N	70	70	N	<50	N	50	<10	20
9CT003M5	2	N	N	50	30	N	700	N	300	<10	100
9CT004M5	2	N	N	20	50	N	700	N	150	10	70
9CT005M5	2	N	N	<10	100	10	200	15	150	<10	100
9CT006M5	2	N	N	N	70	15	200	N	150	<10	50
9CT008M5	2	N	N	70	20	10	50	N	100	10	30
9CT009M5	2	N	N	30	30	20	2,000	N	200	<10	100
9CT010M5	2	N	N	30	700	15	>2,000	10	200	N	150
9CT011M5	2	N	N	30	70	10	>2,000	N	200	30	150
9CT013M5	2	N	N	20	20	50	>2,000	N	100	<10	150
9CT019M5	<2	N	N	30	N	20	2,000	N	150	<10	100
9CT020M5	2	N	N	20	20	20	>2,000	N	200	N	200
9CT025M5	2	N	N	20	N	10	>2,000	15	100	N	150

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D7--Continued					
9MN007M5	N	50	N	<200	100	N	>5,000	N	>2,000	700
9MN008M5	N	50	N	200	200	N	>5,000	N	>2,000	500
9MN009M5	N	30	N	<200	150	N	3,000	N	1,500	N
9MN010M5	N	10	N	<200	20	N	>5,000	N	>2,000	5,000
9MN011M5	N	70	N	<200	200	N	>5,000	500	>2,000	300
9MN012M5	N	50	N	<200	200	N	>5,000	<500	>2,000	200
					D8--Continued					
9AS001M5	N	30	N	<200	200	N	300	500	700	N
9AS002M5	N	30	N	<200	100	N	700	700	300	N
9AS002M5	N	15	N	N	50	N	200	500	500	N
9AS003M5	N	30	N	200	200	N	200	700	500	N
9AS003M5	N	20	N	N	70	N	30	700	150	N
9AS004M5	N	30	N	<200	100	N	100	700	300	N
9AS004M5	N	20	N	N	70	N	500	500	700	N
9AS005M5	N	15	N	N	100	N	20	500	200	N
9AS006M5	N	10	N	N	70	N	1,000	700	700	N
9AS007M5	N	50	N	500	150	N	700	500	500	N
9AS008M5	N	15	N	N	150	N	200	1,000	500	N
9AS009M5	N	15	N	N	50	N	700	700	1,000	N
9AS010M5	N	20	N	300	150	N	200	700	500	N
9AS011M5	N	30	N	N	100	N	2,000	500	300	N
9AS013M5	N	10	20	N	100	N	700	500	500	N
9AS014M5	N	20	N	N	100	N	3,000	<500	500	500
9AS015M5	N	10	N	N	150	N	2,000	500	500	N
9AS016M5	N	10	30	200	200	N	300	500	500	N
9CT001M5	N	50	N	<200	300	N	3,000	N	1,000	N
9CT001M5	N	10	N	N	70	N	2,000	N	1,500	500
9CT002M5	N	20	N	N	300	N	1,500	N	700	N
9CT002M5	N	10	N	N	70	N	2,000	N	700	300
9CT003M5	N	10	N	N	500	N	30	N	700	N
9CT003M5	N	N	N	N	100	N	1,500	N	700	200
9CT004M5	N	N	N	<200	150	N	100	N	1,000	N
9CT005M5	N	N	N	200	70	N	150	N	>2,000	N
9CT006M5	N	20	N	200	70	N	70	N	2,000	N
9CT008M5	N	10	N	200	200	N	70	N	1,000	200
9CT009M5	N	10	N	<200	150	N	5,000	N	1,000	500
9CT010M5	N	10	N	N	70	N	5,000	N	1,000	1,000
9CT011M5	N	10	N	<200	100	N	>5,000	N	1,000	1,000
9CT013M5	N	>200	N	N	50	N	5,000	N	1,500	1,000
9CT019M5	N	>200	N	N	70	N	3,000	N	500	500
9CT020M5	N	>200	N	N	30	N	5,000	N	700	2,000
9CT025M5	N	10	N	N	50	N	5,000	N	2,000	2,000

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D8--Continued							
9CT029M5	35 57 43	81 47 42	15.0	.15	.10	>2.00	10,000	N	N	N	<20	100
9CT031M5	35 57 21	81 47 47	15.0	1.00	1.00	>2.00	>10,000	N	N	N	<20	100
9CT032M5	35 57 16	81 48 0	15.0	.30	.10	>2.00	10,000	N	N	N	<20	100
9CT035M5	35 57 50	81 46 20	20.0	.10	.10	>2.00	10,000	N	N	N	N	50
9CT037M5	35 57 49	81 46 52	20.0	.05	<.10	>2.00	7,000	N	N	N	N	N
9CT042M5	35 56 59	81 47 7	15.0	.15	.10	>2.00	10,000	N	N	N	<20	70
9CT043M5	35 57 3	81 46 59	15.0	.30	.20	>2.00	10,000	N	N	N	1,000	70
9CT048M5	35 57 33	81 45 43	15.0	.30	1.00	>2.00	>10,000	N	N	N	<20	100
9CT054M5	35 59 1	81 45 39	20.0	.05	.15	>2.00	10,000	N	N	N	N	50
9CT055M5	35 59 25	81 45 56	20.0	.15	1.00	>2.00	>10,000	N	N	N	N	50
9CT058M5	35 58 40	81 49 5	20.0	.05	.10	>2.00	7,000	N	N	N	<20	N
9CT063M5	35 58 44	81 48 37	20.0	.10	<.10	>2.00	5,000	N	N	N	N	N
9CT064M5	35 58 35	81 49 8	20.0	.10	.10	>2.00	10,000	N	N	N	50	<50
9CT068M5	35 59 0	81 49 33	20.0	<.05	.10	>2.00	7,000	N	N	N	N	N
9CT069M5	35 58 59	81 49 12	10.0	.15	.15	>2.00	7,000	N	N	N	50	N
9CT072M5	35 59 38	81 50 23	15.0	.20	.20	>2.00	7,000	N	N	N	2,000	N
9CT073M5	35 59 7	81 51 53	30.0	.10	.10	>2.00	5,000	N	N	N	70	N
9LF001M5	35 57 22	81 55 38	20.0	.15	.50	>2.00	10,000	N	N	N	20	N
9LF001M5	35 57 22	81 55 38	20.0	.50	.10	>2.00	5,000	N	N	N	1,000	100
9LF002M5	35 53 32	81 59 4	20.0	.20	.50	>2.00	10,000	N	N	N	<20	<50
9LF002M5	35 53 32	81 59 4	30.0	1.50	1.00	>2.00	7,000	N	N	N	50	N
9LF003M5	35 53 13	81 59 10	20.0	.50	2.00	>2.00	10,000	N	N	N	<20	N
9LF003M5	35 53 13	81 59 10	30.0	.30	.70	>2.00	10,000	N	N	N	20	N
9LF004M5	35 55 34	81 59 40	20.0	1.00	2.00	>2.00	10,000	N	N	N	<20	70
9LF004M5	35 55 34	81 59 40	20.0	2.00	2.00	1.00	>10,000	N	N	N	30	70
9LF005M5	35 56 12	81 59 31	20.0	.70	1.50	>2.00	10,000	N	N	N	20	100
9LF005M5	35 56 12	81 59 31	20.0	2.00	3.00	1.00	>10,000	N	N	N	20	50
9LF006M5	35 57 21	81 58 22	20.0	.70	1.50	>2.00	10,000	N	N	N	50	50
9LF006M5	35 57 21	81 58 22	20.0	1.50	3.00	>2.00	>10,000	N	N	N	<20	50
9LF007M5	35 57 11	81 59 8	20.0	.70	.70	>2.00	>10,000	N	N	N	50	<50
9LF007M5	35 57 11	81 59 8	20.0	2.00	3.00	1.50	>10,000	N	N	N	<20	50
9LF008M5	35 57 32	81 59 59	20.0	.50	1.00	>2.00	>10,000	N	N	N	50	<50
9LF008M5	35 57 32	81 59 59	20.0	3.00	3.00	1.00	>10,000	N	N	N	<20	N
9LF009M5	35 59 4	81 58 55	20.0	3.00	2.00	.50	>10,000	N	N	N	<20	N
9LF010M5	35 59 7	81 58 32	20.0	2.00	3.00	>2.00	>10,000	N	N	N	<20	50
9LF011M5	35 59 4	81 58 31	20.0	1.50	3.00	>2.00	>10,000	N	N	N	<20	<50
9LF012M5	35 59 49	81 55 57	30.0	.20	<.10	>2.00	1,500	N	N	N	1,000	150
9LF013M5	35 59 25	81 56 3	30.0	.30	.15	>2.00	5,000	N	N	N	700	70
9LF014M5	35 57 57	81 55 42	20.0	.20	.10	>2.00	3,000	N	N	N	200	100
9LF015M5	35 58 31	81 55 0	30.0	1.00	.70	>2.00	3,000	N	N	N	300	100
9LF016M5	35 59 12	81 53 38	20.0	.30	.70	>2.00	7,000	N	N	N	20	100
9LF017M5	35 59 2	81 53 50	30.0	.50	.50	>2.00	5,000	N	N	N	20	150
9LF018M5	35 56 51	81 53 3	20.0	1.00	1.00	>2.00	10,000	N	N	N	70	70
9LF019M5	35 57 11	81 52 46	30.0	.70	.30	>2.00	7,000	N	N	N	20	100
9LF020M5	35 58 31	81 52 48	30.0	.05	N	>2.00	7,000	N	N	N	<20	50

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D8--Continued						
9CT029M5	3	N	N	20	N	10	2,000	20	150	N	100
9CT031M5	2	N	N	20	100	20	2,000	50	100	15	150
9CT032M5	2	N	N	20	2,000	20	2,000	20	150	N	150
9CT035M5	N	N	N	30	50	20	200	10	70	10	30
9CT037M5	N	N	N	30	20	N	N	N	100	<10	<20
9CT042M5	2	N	N	20	1,000	30	2,000	20	100	N	100
9CT043M5	2	N	N	30	70	50	2,000	10	200	10	150
9CT048M5	2	N	N	20	N	10	500	N	100	10	50
9CT054M5	3	N	N	20	50	30	500	N	200	10	50
9CT055M5	10	N	N	50	50	70	700	N	150	20	100
9CT058M5	<2	N	N	30	20	N	500	N	200	<10	20
9CT063M5	N	N	N	30	20	N	1,000	N	200	N	30
9CT064M5	3	N	N	50	N	10	150	N	100	10	30
9CT068M5	2	N	N	20	20	<10	200	N	300	<10	20
9CT069M5	2	N	N	20	300	10	>2,000	N	200	<10	200
9CT072M5	2	N	N	20	20	<10	1,000	N	300	<10	70
9CT073M5	3	N	N	50	20	20	N	10	100	10	30
9LF001M5	N	N	N	50	50	15	700	N	100	15	30
9LF001M5	2	N	N	70	500	50	<50	N	300	20	100
9LF002M5	N	N	N	70	150	15	500	N	150	20	100
9LF002M5	N	N	N	50	150	30	N	N	150	30	<20
9LF003M5	N	N	N	100	150	20	150	N	150	15	<20
9LF003M5	N	N	N	30	70	20	N	N	150	10	<20
9LF004M5	N	N	N	150	100	50	100	N	70	30	20
9LF004M5	2	N	N	70	200	50	150	N	50	30	20
9LF005M5	N	N	N	300	100	100	150	N	100	70	20
9LF005M5	<2	N	N	50	200	30	70	N	1,000	30	20
9LF006M5	N	N	N	100	200	20	100	N	100	20	<20
9LF006M5	N	N	N	100	150	20	100	N	100	30	20
9LF007M5	N	N	N	50	200	15	100	N	100	10	20
9LF007M5	<2	N	N	150	200	50	200	N	500	50	50
9LF008M5	N	N	N	30	200	20	N	N	150	20	20
9LF008M5	2	N	N	100	500	50	500	N	50	70	30
9LF009M5	N	N	N	100	200	30	<50	N	700	30	<20
9LF010M5	N	N	N	70	300	20	300	N	200	30	20
9LF011M5	N	N	N	50	200	15	150	N	200	20	20
9LF012M5	N	N	N	30	700	50	50	N	150	20	50
9LF013M5	N	N	N	70	500	50	<50	N	200	20	50
9LF014M5	N	N	N	70	200	70	N	N	200	20	50
9LF015M5	<2	N	N	50	300	50	50	N	200	20	150
9LF016M5	2	N	N	70	200	30	50	15	150	20	100
9LF017M5	2	N	N	70	2,000	30	150	10	200	30	100
9LF018M5	2	N	N	50	100	20	2,000	15	200	30	100
9LF019M5	2	N	N	70	100	20	70	10	150	20	70
9LF020M5	2	N	N	70	50	20	N	10	70	15	100

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D8--Continued					
9CT029M5	N	10	N	N	50	N	2,000	N	1,000	1,000
9CT031M5	N	10	N	N	100	N	2,000	N	1,000	1,000
9CT032M5	N	10	N	N	50	N	3,000	N	1,000	1,000
9CT035M5	N	20	N	N	100	N	1,000	N	200	N
9CT037M5	N	20	N	N	70	N	150	500	200	N
9CT042M5	N	10	N	N	50	N	5,000	N	1,000	1,000
9CT043M5	N	10	N	N	70	N	5,000	N	1,000	1,000
9CT048M5	N	20	N	N	100	N	2,000	N	1,500	N
9CT054M5	N	20	30	N	50	N	2,000	N	1,500	N
9CT055M5	N	20	30	N	50	N	1,000	N	2,000	700
9CT058M5	N	15	N	N	100	N	150	700	300	300
9CT063M5	N	15	N	N	50	N	1,000	<500	200	1,000
9CT064M5	N	15	N	N	100	N	1,000	N	500	200
9CT068M5	N	10	N	N	70	N	150	700	200	N
9CT069M5	N	10	N	N	100	N	>5,000	N	1,500	3,000
9CT072M5	N	50	N	N	100	N	2,000	<500	500	700
9CT073M5	N	15	N	N	100	N	100	<500	500	N
9LF001M5	N	15	N	N	100	N	70	700	200	N
9LF001M5	N	20	N	N	200	N	150	500	300	N
9LF002M5	N	20	N	N	100	N	100	700	200	N
9LF002M5	N	30	N	N	100	N	150	<500	150	N
9LF003M5	N	50	N	300	150	N	200	N	500	N
9LF003M5	N	30	N	N	70	N	200	<500	150	N
9LF004M5	N	30	N	200	100	N	200	N	200	N
9LF004M5	N	50	N	N	100	N	2,000	N	300	N
9LF005M5	N	30	N	<200	100	N	200	N	300	N
9LF005M5	N	70	N	N	150	N	1,000	N	300	N
9LF006M5	N	50	N	200	200	N	300	500	700	N
9LF006M5	N	70	N	500	100	N	500	N	200	N
9LF007M5	N	30	N	N	200	N	700	N	700	N
9LF007M5	N	70	N	N	100	N	1,500	N	300	N
9LF008M5	N	20	N	N	150	N	500	N	500	N
9LF008M5	N	70	N	N	150	N	1,500	N	150	500
9LF009M5	N	100	N	N	150	N	1,000	N	100	N
9LF010M5	N	70	N	300	150	N	500	N	100	N
9LF011M5	N	70	N	300	100	N	300	N	1,500	N
9LF012M5	N	10	N	N	200	N	200	700	2,000	N
9LF013M5	N	20	N	N	150	N	200	1,000	2,000	N
9LF014M5	N	20	20	N	100	N	100	700	1,000	N
9LF015M5	N	20	N	200	300	N	300	500	1,000	N
9LF016M5	N	20	N	500	200	N	500	1,000	1,000	N
9LF017M5	N	20	N	200	200	N	700	<500	1,500	N
9LF018M5	N	20	N	<200	100	N	200	<500	700	500
9LF019M5	N	15	N	N	150	N	100	700	1,000	N
9LF020M5	N	20	N	<200	150	N	150	1,000	500	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
						D8--Continued						
90H036M5	35 51 48	81 50 45	10.0	.50	.20	2.00	3,000	N	N	N	<20	300
90H037M5	35 51 53	81 50 25	10.0	3.00	1.50	2.00	5,000	N	N	N	<20	100
90H037M5	35 51 53	81 50 25	15.0	.10	.10	>2.00	5,000	N	N	N	<20	N
90H037M5	35 51 53	81 50 25	15.0	.30	.10	>2.00	10,000	N	N	N	<20	N

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D8--Continued						
90H036M5	7	N	N	50	50	70	>2,000	N	100	15	300
90H037M5	3	N	N	50	200	70	2,000	N	100	50	200
90H037M5	N	N	N	30	700	30	300	10	200	<10	100
90H037M5	3	N	N	20	100	50	1,000	10	150	<10	100

Table 3.--Analytical results of the magnetic at 0.5 amperes fraction of heavy-mineral-concentrate samples from the Charlotte 1 X 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D8--Continued					
90H036M5	N	10	N	N	70	N	>5,000	N	2,000	3,000
90H037M5	N	10	N	N	100	N	>5,000	N	1,500	1,500
90H037M5	N	20	N	N	50	N	>5,000	500	2,000	300
90H037M5	N	30	N	N	50	N	5,000	<500	>2,000	500

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.

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

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
						A-1						
8AN001M	35 6 43	80 0 39	5.00	.30	.15	>2.000	3,000	N	N	N	2,000	50
8AN002M	35 6 15	80 0 43	10.00	.70	.20	>2.000	3,000	N	N	N	2,000	100
8AN003M	35 1 47	80 0 31	10.00	.20	.20	>2.000	7,000	N	N	N	500	150
8AN004M	35 0 0	80 0 27	2.00	.20	1.00	>2.000	1,500	3.0	N	N	300	70
8AN005M	35 0 40	80 7 27	2.00	.20	.70	>2.000	1,000	1.0	N	20	200	50
8AN006M	35 6 53	80 0 20	5.00	.30	.10	>2.000	7,000	1.0	N	N	2,000	150
8AN007M	35 3 48	80 1 25	1.00	.70	.20	>2.000	2,000	1.0	N	20	500	100
8AN008M	35 3 44	80 1 28	5.00	1.00	3.00	>2.000	3,000	1.0	N	20	2,000	300
8AN009M	35 2 2	80 3 19	10.00	2.00	2.00	>2.000	2,000	1.0	N	20	700	300
8AN010M	35 3 4	80 4 2	10.00	.70	.30	>2.000	2,000	1.0	N	20	5,000	300
8AN011M	35 2 47	80 4 56	10.00	.70	.30	>2.000	2,000	1.0	N	20	>5,000	500
8AN012M	35 4 56	80 5 54	5.00	.70	2.00	>2.000	2,000	1.0	N	20	1,000	100
8AN013M	35 4 45	80 5 3	3.00	.50	.10	>2.000	1,500	1.0	N	20	>5,000	150
8AN014M	35 6 4	80 4 58	5.00	.50	.20	>2.000	1,000	1.0	N	20	300	150
8AN015M	35 6 17	80 5 6	10.00	.50	.50	>2.000	1,500	1.0	N	20	1,500	500
8AN016M	35 7 21	80 5 17	7.00	5.00	10.00	>2.000	2,000	1.0	N	20	300	100
8AN017M	35 5 6	80 6 25	5.00	1.00	2.00	>2.000	1,500	1.0	N	20	700	200
8AN018M	35 4 52	80 7 16	5.00	.70	3.00	>2.000	2,000	1.0	N	20	500	300
8AN019M	35 1 29	80 6 56	3.00	.30	.20	>2.000	2,000	1.0	N	20	700	300
8AQ001M	35 14 37	80 7 31	7.00	1.00	10.00	>2.000	1,500	N	N	N	50	50
8AQ002M	35 11 44	80 7 35	10.00	.20	2.00	1.000	2,000	N	N	N	30	200
8AQ003M	35 10 31	80 8 35	10.00	.30	.50	.700	2,000	N	N	N	50	500
8AQ004M	35 10 49	80 10 5	7.00	.70	5.00	2.000	1,500	N	N	N	70	70
8AQ005M	35 9 44	80 8 33	10.00	.50	2.00	1.500	3,000	N	N	N	200	200
8AQ006M	35 8 2	80 9 18	N	N	N	.010	N	2.0	N	N	N	N
8AQ007M	35 13 51	80 8 11	7.00	2.00	10.00	>2.000	2,000	N	N	N	30	N
8AQ008M	35 13 7	80 8 9	3.00	7.00	10.00	1.000	1,500	N	N	N	N	N
8AQ009M	35 12 52	80 10 16	7.00	.70	7.00	2.000	2,000	N	N	N	<20	<50
8AQ010M	35 12 54	80 10 19	5.00	10.00	10.00	.500	1,500	N	N	N	<20	N
8AQ011M	35 12 31	80 11 4	7.00	.20	.20	>2.000	2,000	N	N	N	<20	200
8AQ012M	35 10 15	80 11 47	10.00	.30	.10	>2.000	3,000	N	N	N	<20	200
8AQ013M	35 9 41	80 11 9	15.00	.20	1.50	1.500	1,500	N	N	N	200	200
8AQ014M	35 9 57	80 12 40	10.00	.20	.20	>2.000	2,000	N	N	N	50	300
8AQ015M	35 7 35	80 12 29	5.00	.50	2.00	>2.000	1,500	N	N	N	N	100
8AQ016M	35 7 33	80 12 16	7.00	7.00	7.00	1.000	2,000	N	N	N	100	50
8AQ017M	35 12 57	80 14 20	15.00	.50	.20	1.000	3,000	N	N	N	200	500
8AQ018M	35 13 52	80 13 56	10.00	.30	.15	2.000	2,000	N	N	N	200	500
8AQ019M	35 14 1	80 11 11	5.00	10.00	10.00	.700	2,000	N	N	N	20	N
8AQ020M	35 8 29	80 13 31	5.00	7.00	7.00	>2.000	1,500	N	N	N	30	<50
8AQ021M	35 9 8	80 14 44	5.00	.70	1.50	>2.000	5,000	N	N	N	<20	150

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-1--Continued						
8AN001M	10	N	N	30	1,500	20	>2,000	N	100	20	300
8AN002M	15	N	N	70	2,000	50	>2,000	N	200	50	500
8AN003M	10	N	N	50	1,000	20	>2,000	N	200	20	150
8AN004M	10	N	N	20	700	10	>2,000	N	1,000	50	500
8AN005M	2	N	N	30	500	<10	>2,000	N	500	15	300
8AN006M	10	N	N	50	2,000	15	2,000	N	150	50	150
8AN007M	5	N	N	30	2,000	10	>2,000	N	2,000	100	200
8AN008M	5	N	N	30	7,000	20	>2,000	N	300	70	200
8AN009M	<2	N	N	30	2,000	15	>2,000	N	300	70	150
8AN010M	7	N	N	30	3,000	20	>2,000	N	1,000	20	200
8AN011M	7	N	N	20	1,500	20	>2,000	N	700	50	200
8AN012M	10	N	N	20	10,000	10	>2,000	N	1,500	50	150
8AN013M	15	N	N	30	1,500	10	>2,000	N	500	30	150
8AN014M	10	N	N	20	2,000	<10	1,000	N	1,000	50	70
8AN015M	7	N	N	30	1,500	20	2,000	N	700	50	150
8AN016M	<2	N	N	30	7,000	15	1,000	N	100	200	50
8AN017M	5	N	N	20	1,500	20	>2,000	N	700	50	300
8AN018M	5	N	N	20	1,000	20	2,000	N	500	50	150
8AN019M	5	N	N	20	1,000	30	>2,000	N	1,000	30	200
8AQ001M	2	N	N	50	1,000	70	500	N	<50	30	200
8AQ002M	7	N	N	50	700	100	500	N	<50	50	70
8AQ003M	10	N	N	70	500	150	1,000	N	<50	70	100
8AQ004M	2	N	N	30	500	100	200	N	<50	70	50
8AQ005M	7	N	N	70	2,000	150	1,500	N	<50	70	100
8AQ006M	N	N	N	N	<20	N	70	N	N	<10	<20
8AQ007M	2	N	N	30	1,000	100	200	N	<50	100	30
8AQ008M	N	N	N	70	3,000	20	150	N	N	300	20
8AQ009M	2	N	N	30	300	100	100	N	<50	30	30
8AQ010M	N	N	N	70	2,000	20	200	N	N	150	<20
8AQ011M	7	N	N	70	200	100	1,000	N	50	50	70
8AQ012M	7	N	N	70	300	150	300	10	70	50	70
8AQ013M	10	N	N	50	500	150	1,500	N	70	50	100
8AQ014M	7	N	N	70	300	100	500	N	100	30	100
8AQ015M	5	N	N	50	300	70	500	N	100	20	100
8AQ016M	N	N	N	70	2,000	50	700	N	<50	200	30
8AQ017M	10	N	N	70	300	100	700	N	<50	70	150
8AQ018M	7	N	N	50	200	70	1,000	N	<50	30	70
8AQ019M	N	N	N	70	2,000	20	50	N	70	200	N
8AQ020M	N	N	N	70	3,000	30	500	N	50	200	20
8AQ021M	5	N	N	150	200	200	1,000	N	100	30	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-1--Continued					
8AN001M	N	50	50	N	150	N	2,000	N	N	2,000
8AN002M	N	100	50	N	200	N	3,000	N	2,000	3,000
8AN003M	N	70	N	N	200	N	700	N	1,000	2,000
8AN004M	N	150	1,000	N	200	N	2,000	N	>2,000	3,000
8AN005M	N	>200	1,500	<200	200	N	3,000	500	2,000	2,000
8AN006M	N	50	50	N	200	N	500	1,000	>2,000	1,000
8AN007M	N	>200	2,000	N	200	N	5,000	1,500	>2,000	2,000
8AN008M	N	100	20	500	500	N	2,000	1,000	>2,000	2,000
8AN009M	N	100	50	<200	500	N	2,000	N	>2,000	1,500
8AN010M	N	150	500	N	500	N	3,000	2,000	>2,000	2,000
8AN011M	N	200	700	<200	300	N	2,000	N	>2,000	1,500
8AN012M	N	100	300	500	200	N	3,000	2,000	>2,000	1,000
8AN013M	N	70	500	N	300	N	1,500	2,000	>2,000	1,500
8AN014M	N	100	700	N	300	N	1,500	2,000	>2,000	200
8AN015M	N	70	700	N	500	N	1,000	1,500	>2,000	1,000
8AN016M	N	200	300	N	300	N	1,000	N	1,000	300
8AN017M	N	150	500	500	150	N	2,000	1,000	>2,000	700
8AN018M	N	70	N	700	200	N	1,500	N	2,000	1,000
8AN019M	N	150	500	500	200	N	3,000	N	>2,000	1,000
8AQ001M	N	50	100	700	500	N	100	N	500	N
8AQ002M	N	50	N	700	500	N	70	N	500	N
8AQ003M	N	50	N	500	200	N	150	N	500	N
8AQ004M	N	50	N	700	500	N	200	N	500	N
8AQ005M	N	50	N	700	300	N	300	N	2,000	200
8AQ006M	N	N	N	N	<20	N	N	N	N	N
8AQ007M	N	50	N	700	500	N	70	N	150	N
8AQ008M	N	100	N	300	500	N	30	N	70	N
8AQ009M	N	70	N	1,000	500	N	70	N	100	N
8AQ010M	N	150	N	N	300	N	50	N	50	N
8AQ011M	N	20	N	300	200	N	150	N	150	N
8AQ012M	N	20	N	N	200	N	100	N	150	N
8AQ013M	N	20	N	700	200	N	200	N	300	200
8AQ014M	N	30	N	200	200	N	300	N	2,000	N
8AQ015M	N	50	50	1,000	200	N	200	N	150	N
8AQ016M	N	100	N	200	500	N	100	N	150	N
8AQ017M	N	20	N	200	300	N	150	N	200	<200
8AQ018M	N	15	N	200	200	N	200	N	500	<200
8AQ019M	N	150	N	N	500	N	20	N	30	N
8AQ020M	N	100	N	200	300	N	100	N	70	N
8AQ021M	N	50	N	300	300	N	100	N	100	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-1--Continued							
8AQ022M	35 14 4	80 10 33	10.00	.30	1.00	2.000	1,500	N	N	N	100	200
8MG001M	35 13 56	80 1 0	10.00	2.00	2.00	1.000	1,500	N	N	N	500	500
8MG002M	35 9 50	80 0 20	15.00	.30	1.00	>2.000	3,000	N	N	N	700	1,000
8MG002M	35 9 50	80 0 20	20.00	.30	.30	2.000	2,000	N	N	N	500	700
8MG003M	35 8 58	80 0 44	20.00	.20	.20	>2.000	1,500	N	N	N	500	300
8MG004M	35 12 39	80 1 18	15.00	3.00	3.00	>2.000	3,000	N	N	N	150	300
8MG005M	35 12 32	80 2 24	10.00	3.00	3.00	1.500	1,500	N	N	N	100	200
8MG006M	35 12 44	80 3 9	20.00	3.00	3.00	1.500	1,500	N	N	N	200	300
8MG008M	35 13 59	80 1 31	30.00	.70	2.00	1.000	2,000	N	N	N	200	700
8MG009M	35 8 10	80 1 36	7.00	2.00	3.00	>2.000	1,500	N	N	N	200	100
8MG010M	35 7 33	80 0 59	7.00	.70	.20	>2.000	1,000	N	N	N	500	N
8MG011M	35 14 9	80 6 29	10.00	.30	10.00	.700	1,000	N	N	N	20	N
8MG012M	35 12 2	80 6 45	10.00	3.00	5.00	.700	1,500	N	N	N	70	300
8MG013M	35 11 40	80 7 23	10.00	3.00	7.00	.700	5,000	N	N	N	30	100
8MG014M	35 12 4	80 4 25	20.00	5.00	3.00	2.000	3,000	N	N	N	200	50
8MG015M	35 11 10	80 4 6	20.00	7.00	2.00	.700	2,000	N	N	N	200	200
8MG016M	35 9 11	80 7 10	30.00	.30	.15	.500	2,000	N	N	N	150	1,000
8MG017M	35 7 36	80 5 19	10.00	7.00	10.00	1.000	1,500	N	N	N	<20	N
8MG018M	35 7 30	80 6 24	20.00	.15	.10	1.000	1,500	N	N	N	300	300
8MG019M	35 7 33	80 6 25	10.00	5.00	5.00	1.500	700	N	N	N	100	N
8PL001M	35 7 3	80 7 55	10.00	1.50	1.00	>2.000	3,000	N	N	N	2,000	500
8PL002M	35 3 35	80 8 46	15.00	1.00	2.00	2.000	5,000	N	N	N	1,500	700
8PL003M	35 3 34	80 8 46	7.00	7.00	10.00	2.000	3,000	N	N	N	70	70
8PL004M	35 2 0	80 7 56	5.00	.50	1.00	>2.000	3,000	N	N	N	500	50
8PL005M	35 1 43	80 9 19	20.00	1.00	1.50	>2.000	2,000	N	N	N	2,000	300
8PL006M	35 0 19	80 12 35	10.00	10.00	10.00	>2.000	3,000	N	N	N	700	150
8PL007M	35 0 9	80 13 12	10.00	.20	7.00	>2.000	3,000	N	<500	N	200	200
8PL008M	35 2 20	80 12 22	15.00	.30	.20	>2.000	5,000	N	N	N	500	1,500
8PL009M	35 2 9	80 9 15	20.00	2.00	2.00	>2.000	1,500	N	N	N	500	300
8PL010M	35 2 53	80 10 7	20.00	.50	.20	>2.000	2,000	N	N	N	3,000	500
8PL011M	35 6 50	80 10 53	15.00	.70	5.00	2.000	5,000	N	N	N	2,000	700
8PL012M	35 6 39	80 10 50	20.00	.50	2.00	2.000	3,000	N	500	N	2,000	700
8PL013M	35 4 14	80 11 53	20.00	.50	.20	2.000	3,000	N	<500	N	2,000	1,000
8PL014M	35 2 46	80 13 6	7.00	10.00	20.00	1.000	3,000	N	N	N	20	50
8PL015M	35 2 18	80 13 23	10.00	7.00	15.00	>2.000	3,000	N	N	N	1,000	150
8PL016M	35 2 42	80 14 46	20.00	.50	.30	>2.000	1,500	N	N	N	1,500	500
8PL017M	35 2 54	80 14 32	10.00	10.00	20.00	2.000	3,000	N	N	N	700	50
8PL018M	35 5 12	80 13 3	10.00	10.00	15.00	2.000	3,000	N	N	N	150	70
8PL019M	35 5 3	80 11 28	20.00	.70	5.00	>2.000	3,000	N	500	N	1,000	700
8PL020M	35 5 39	80 13 50	2.00	1.00	1.00	>2.000	2,000	N	N	N	300	200

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-1--Continued						
8AQ022M	7	N	N	70	300	100	1,000	N	<50	50	70
8MG001M	7	N	N	50	5,000	150	1,000	N	N	200	100
8MG002M	7	N	N	50	1,500	100	>2,000	N	150	70	300
8MG002M	10	N	N	30	1,500	50	>2,000	N	200	100	200
8MG003M	7	N	N	30	3,000	10	>2,000	N	200	100	150
8MG004M	5	N	N	50	1,500	100	500	N	70	100	100
8MG005M	5	N	N	30	2,000	100	2,000	N	200	150	100
8MG006M	5	N	N	50	3,000	100	>2,000	N	150	150	100
8MG008M	7	N	N	50	1,500	150	2,000	N	N	70	100
8MG009M	5	N	N	30	3,000	N	>2,000	N	200	100	150
8MG010M	15	N	N	50	3,000	N	>2,000	N	200	100	100
8MG011M	2	N	N	15	200	50	50	N	<50	20	20
8MG012M	5	N	N	50	2,000	70	1,000	N	<50	200	50
8MG013M	2	N	N	30	2,000	50	150	N	<50	200	20
8MG014M	5	N	N	70	3,000	20	1,000	N	100	300	30
8MG015M	5	N	N	70	3,000	70	1,000	N	70	300	50
8MG016M	7	N	N	50	500	70	1,000	N	N	50	70
8MG017M	N	N	N	50	1,500	10	700	N	<50	200	<20
8MG018M	5	N	N	30	700	100	700	N	50	70	70
8MG019M	N	N	N	50	3,000	15	1,000	N	50	200	<20
8PL001M	10	N	N	50	1,000	200	2,000	N	70	100	200
8PL002M	15	N	N	50	1,500	50	2,000	N	70	50	150
8PL003M	N	N	N	30	2,000	10	500	N	200	100	20
8PL004M	5	N	N	20	1,000	15	>2,000	N	1,500	150	500
8PL005M	10	N	N	30	1,500	50	>2,000	10	300	100	300
8PL006M	2	N	N	50	5,000	15	1,000	N	150	300	50
8PL007M	5	N	N	15	300	20	1,000	15	150	20	100
8PL008M	10	N	N	30	300	70	2,000	N	200	100	150
8PL009M	7	N	N	30	3,000	100	>2,000	N	700	300	50
8PL010M	10	N	N	30	1,500	100	>2,000	N	700	200	150
8PL011M	10	N	N	30	1,000	100	2,000	N	70	70	150
8PL012M	10	N	N	30	1,500	150	2,000	N	50	100	100
8PL013M	10	N	N	20	700	200	700	20	<50	100	100
8PL014M	<2	N	N	30	7,000	10	200	N	N	500	20
8PL015M	5	N	N	30	3,000	20	2,000	N	100	300	70
8PL016M	10	N	N	30	1,000	100	2,000	N	50	150	100
8PL017M	<2	N	N	30	5,000	10	700	N	50	300	20
8PL018M	<2	N	N	50	7,000	10	700	N	50	500	20
8PL019M	15	N	N	30	700	100	1,000	N	50	70	100
8PL020M	7	N	N	50	1,000	30	150	10	70	50	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-1--Continued					
8AQ022M	N	20	N	300	300	N	150	N	500	N
8MG001M	N	100	N	300	500	N	300	N	1,000	200
8MG002M	N	50	N	700	300	N	1,000	2,000	1,000	1,000
8MG002M	N	50	N	<200	300	N	3,000	700	>2,000	1,000
8MG003M	N	70	300	<200	700	N	1,500	1,000	>2,000	1,500
8MG004M	N	100	100	200	500	N	150	N	300	N
8MG005M	N	100	N	150	300	N	500	700	1,000	1,000
8MG006M	N	100	30	100	500	N	500	N	1,000	1,000
8MG008M	N	50	N	200	500	N	300	N	300	300
8MG009M	N	50	30	300	300	N	700	N	>2,000	1,500
8MG010M	N	30	50	<200	300	N	1,000	2,000	>2,000	1,000
8MG011M	N	20	200	300	1,000	N	30	N	200	N
8MG012M	N	100	N	200	300	N	150	N	1,000	200
8MG013M	N	50	N	300	500	N	50	N	700	N
8MG014M	N	70	N	<200	200	N	200	N	2,000	300
8MG015M	N	70	N	<200	500	N	200	N	700	200
8MG016M	N	10	150	<200	500	N	150	N	1,000	<200
8MG017M	N	150	N	N	500	N	150	N	700	200
8MG018M	N	10	300	N	200	N	150	N	1,000	N
8MG019M	N	100	N	N	300	N	200	N	200	200
8PL001M	N	70	N	200	200	N	300	N	1,500	300
8PL002M	N	50	N	500	200	N	200	N	1,500	500
8PL003M	N	>200	N	N	700	N	1,500	1,000	2,000	N
8PL004M	N	>200	500	N	300	N	5,000	1,000	2,000	5,000
8PL005M	N	>200	500	N	200	N	2,000	N	>2,000	2,000
8PL006M	N	>200	N	200	500	N	300	N	1,500	300
8PL007M	N	50	N	1,500	300	N	1,000	N	1,500	300
8PL008M	N	30	N	<200	200	N	1,500	N	700	500
8PL009M	N	100	500	<200	300	N	2,000	N	>2,000	1,000
8PL010M	N	70	200	<200	200	N	3,000	1,500	2,000	1,500
8PL011M	N	50	150	1,500	300	N	300	N	1,500	300
8PL012M	N	50	N	1,000	300	N	200	1,000	1,000	200
8PL013M	N	50	N	<200	300	N	100	N	300	N
8PL014M	N	>200	N	N	500	N	70	N	70	N
8PL015M	N	>200	N	N	300	N	700	500	1,000	700
8PL016M	N	50	N	<200	200	N	500	N	1,000	500
8PL017M	N	200	N	N	500	N	200	N	300	<200
8PL018M	N	200	N	N	200	N	150	N	700	<200
8PL019M	N	70	N	1,000	200	N	200	N	500	<200
8PL020M	N	100	N	N	200	N	200	N	500	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-1--Continued							
8PL021M	35 5 44	80 14 26	2.00	1.00	1.00	>2.000	2,000	N	N	N	200	200
8PL022M	35 6 35	80 13 10	5.00	3.00	2.00	>2.000	1,500	N	N	N	200	100
8PL023M	35 6 38	80 13 13	7.00	.50	1.50	>2.000	1,000	N	N	N	2,000	200
					A-2							
8OB001M	35 6 27	80 20 12	1.00	.50	.10	>2.000	5,000	N	N	N	70	200
8OB002M	35 7 1	80 17 32	1.00	.50	.20	>2.000	5,000	N	N	N	50	300
8OB003M	35 6 59	80 17 29	2.00	2.00	3.00	>2.000	3,000	N	N	N	200	200
8OB004M	35 6 52	80 15 58	.70	.70	7.00	2.000	1,500	N	N	N	50	150
8OB005M	35 6 15	80 15 47	1.50	1.50	.70	>2.000	3,000	N	N	N	30	200
8OB006M	35 6 12	80 16 26	2.00	.70	.50	>2.000	2,000	N	N	N	500	200
8OB007M	35 5 12	80 15 13	2.00	5.00	5.00	>2.000	2,000	N	N	N	30	70
8OB008M	35 4 50	80 15 8	1.50	.20	.10	>2.000	1,500	N	N	N	70	150
8OB009M	35 6 10	80 17 30	2.00	.50	1.00	>2.000	3,000	N	N	N	200	200
8OB010M	35 5 21	80 17 45	5.00	.50	1.00	>2.000	3,000	N	N	N	150	300
8OB011M	35 4 6	80 15 45	1.50	.70	.30	>2.000	3,000	N	N	N	70	150
8OB012M	35 3 53	80 16 54	2.00	.30	.10	>2.000	5,000	N	N	N	50	150
8OB013M	35 2 42	80 17 13	2.00	.50	.70	>2.000	1,500	N	N	N	200	200
8OB014M	35 1 59	80 15 21	20.00	2.00	2.00	>2.000	2,000	N	N	N	300	300
8OB015M	35 1 12	80 16 11	2.00	.70	.15	>2.000	5,000	N	N	N	200	150
8OB016M	35 0 17	80 16 44	5.00	.70	.15	>2.000	5,000	N	N	N	200	200
8OB017M	35 0 29	80 18 19	2.00	.70	.20	>2.000	5,000	N	N	N	700	100
8OB018M	35 1 34	80 17 17	5.00	.50	.20	>2.000	2,000	N	N	N	500	150
8OB019M	35 1 24	80 16 41	20.00	1.00	.20	>2.000	3,000	N	N	N	500	200
8OB020M	35 1 28	80 17 26	2.00	.30	.10	>2.000	7,000	N	N	N	70	100
8OB021M	35 3 42	80 19 14	2.00	.70	1.00	>2.000	7,000	N	N	N	100	200
8OB022M	35 1 54	80 18 9	2.00	.70	1.50	>2.000	7,000	N	N	N	500	100
8OB023M	35 1 15	80 21 59	30.00	.70	.10	>2.000	2,000	N	N	N	50	500
8OB024M	35 0 41	80 22 22	30.00	.70	.15	>2.000	5,000	N	N	N	150	200
8OB025M	35 1 41	80 21 26	20.00	.70	.20	>2.000	3,000	N	N	N	500	200
8OB026M	35 3 38	80 19 47	20.00	.70	.15	>2.000	7,000	N	N	N	300	150
8OB027M	35 2 40	80 21 48	20.00	1.00	.15	>2.000	5,000	N	N	N	1,000	100
8OB028M	35 3 27	80 21 48	30.00	.70	1.00	>2.000	7,000	N	N	N	300	300
8OB029M	35 4 21	80 20 20	30.00	.70	.50	>2.000	5,000	N	N	N	300	300
8OB030M	35 4 31	80 19 11	30.00	.70	.15	>2.000	3,000	N	N	N	200	300
8OB031M	35 5 20	80 20 2	2.00	.70	.10	>2.000	7,000	N	N	N	100	150
8OB032M	35 4 28	80 22 5	3.00	.70	.20	>2.000	7,000	N	N	N	150	150
8OK001M	35 8 31	80 15 37	20.00	.70	.30	.700	5,000	N	N	N	30	700
8OK002M	35 9 2	80 16 46	30.00	1.50	1.00	1.000	7,000	N	N	N	<20	1,000
8OK003M	35 10 55	80 15 25	50.00	1.00	1.00	.700	3,000	N	N	N	20	700
8OK004M	35 10 29	80 17 3	30.00	1.50	1.00	.700	5,000	N	N	N	20	1,000
8OK005M	35 10 14	80 18 44	15.00	5.00	5.00	1.500	3,000	N	N	N	<20	700
8OK006M	35 8 31	80 17 48	15.00	5.00	5.00	1.000	10,000	N	N	N	N	1,500
8OK007M	35 11 34	80 18 6	10.00	5.00	3.00	.700	3,000	N	N	N	N	200
8OK008M	35 11 43	80 17 6	15.00	3.00	3.00	1.000	10,000	N	N	N	N	1,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-1--Continued						
8PL021M	7	N	N	50	1,000	30	100	20	50	20	100
8PL022M	2	N	N	50	1,500	50	100	N	100	150	30
8PL023M	5	N	N	20	200	70	1,000	N	100	20	70
					A-2--Continued						
8OB001M	5	N	N	100	100	70	300	N	100	15	70
8OB002M	5	N	N	100	100	70	200	10	100	20	50
8OB003M	7	N	N	50	3,000	50	1,000	N	50	70	70
8OB004M	2	N	N	30	1,500	70	500	N	<50	30	50
8OB005M	5	N	N	70	3,000	50	200	20	100	70	70
8OB006M	7	N	N	50	700	70	1,000	N	100	30	150
8OB007M	2	N	N	70	2,000	50	500	N	70	200	50
8OB008M	7	N	N	30	300	30	500	N	100	10	50
8OB009M	7	N	N	50	2,000	70	700	N	100	50	70
8OB010M	7	N	N	50	300	70	700	N	70	10	70
8OB011M	5	N	N	70	300	70	1,000	N	100	20	70
8OB012M	7	N	N	70	150	100	1,000	N	100	<10	100
8OB013M	5	N	N	30	200	50	1,000	N	150	10	100
8OB014M	5	N	N	50	300	70	2,000	N	70	70	150
8OB015M	7	N	N	70	200	70	2,000	N	100	10	100
8OB016M	5	N	N	50	300	100	2,000	N	150	15	150
8OB017M	5	N	N	70	500	70	>2,000	N	200	15	150
8OB018M	5	N	N	30	300	70	2,000	N	150	<10	70
8OB019M	7	N	N	50	2,000	100	>2,000	N	200	<10	150
8OB020M	7	N	N	100	150	100	1,000	10	200	<10	50
8OB021M	5	N	N	100	300	100	>2,000	10	150	10	100
8OB022M	5	N	N	70	150	70	2,000	N	200	<10	70
8OB023M	10	N	N	50	500	150	1,000	N	50	50	700
8OB024M	5	N	N	30	300	100	700	N	100	<10	70
8OB025M	7	N	N	70	300	100	2,000	N	70	20	100
8OB026M	3	N	N	100	150	70	1,500	N	100	<10	70
8OB027M	5	N	N	100	300	100	>2,000	30	150	200	1,500
8OB028M	10	N	N	70	300	150	>2,000	N	100	30	150
8OB029M	10	N	N	100	300	100	1,000	N	100	10	70
8OB030M	7	N	N	30	300	70	1,000	N	70	<10	70
8OB031M	5	N	N	150	100	100	1,500	N	100	<10	70
8OB032M	5	N	N	100	200	100	1,000	N	100	<10	100
8OK001M	5	N	N	100	1,000	70	150	N	N	150	50
8OK002M	7	N	N	50	700	100	150	N	N	200	70
8OK003M	10	N	N	30	700	70	150	N	N	200	70
8OK004M	5	N	N	50	700	70	500	N	N	200	50
8OK005M	<2	N	N	70	1,000	50	500	N	<50	300	20
8OK006M	2	N	N	70	1,000	50	200	N	<50	200	70
8OK007M	<2	N	N	50	1,000	20	50	N	<50	200	<20
8OK008M	2	N	N	100	700	70	200	N	<50	150	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-1--Continued					
8PL021M	N	100	N	N	200	N	200	N	500	N
8PL022M	N	70	N	<200	150	N	50	N	200	N
8PL023M	N	30	N	300	200	N	150	N	200	500
					A-2--Continued					
8OB001M	N	30	N	N	100	N	100	N	100	N
8OB002M	N	50	N	200	100	100	70	N	150	N
8OB003M	N	100	N	1,000	100	N	200	N	150	500
8OB004M	N	100	N	1,000	700	N	150	N	150	N
8OB005M	N	70	N	<200	150	N	100	N	100	N
8OB006M	N	150	N	<200	100	N	300	1,500	200	1,000
8OB007M	N	150	N	N	150	N	100	N	150	N
8OB008M	N	50	N	<200	150	N	100	N	150	N
8OB009M	N	50	N	500	150	N	150	N	500	N
8OB010M	N	50	N	700	100	N	150	N	100	<200
8OB011M	N	70	N	N	150	N	150	N	100	<200
8OB012M	N	50	N	<200	70	N	200	N	150	200
8OB013M	N	150	N	500	100	N	200	N	200	700
8OB014M	N	150	1,000	300	100	N	300	N	700	2,000
8OB015M	N	50	N	<200	150	N	500	N	200	700
8OB016M	N	30	100	<200	150	N	500	N	200	500
8OB017M	N	>200	N	<200	100	N	700	N	300	2,000
8OB018M	N	30	N	200	150	N	300	N	200	500
8OB019M	N	200	N	<200	150	N	700	N	1,000	2,000
8OB020M	N	50	N	<200	100	N	200	N	100	N
8OB021M	N	200	N	300	100	N	500	N	500	1,000
8OB022M	N	50	<20	700	100	N	500	N	500	500
8OB023M	N	50	500	<200	300	N	100	N	200	N
8OB024M	N	50	N	<200	200	N	100	N	150	N
8OB025M	N	30	N	<200	200	N	500	N	500	700
8OB026M	N	70	100	<200	150	N	700	N	500	200
8OB027M	N	200	N	<200	100	N	700	N	500	2,000
8OB028M	N	150	N	300	200	N	500	N	500	1,500
8OB029M	N	30	N	500	200	N	100	N	150	N
8OB030M	N	30	N	<200	200	N	150	N	200	N
8OB031M	N	50	N	<200	200	N	150	N	200	<200
8OB032M	N	50	N	<200	150	N	150	N	150	200
8OK001M	N	N	N	200	1,000	N	70	N	300	N
8OK002M	N	20	N	500	1,000	N	50	N	200	N
8OK003M	N	15	N	200	1,500	N	30	N	200	N
8OK004M	N	10	N	300	1,000	N	50	N	200	N
8OK005M	N	50	N	<200	200	N	200	N	200	N
8OK006M	N	20	N	<200	300	N	150	N	300	N
8OK007M	N	10	N	N	150	N	150	N	200	N
8OK008M	N	20	N	N	300	N	200	N	300	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-2--Continued							
80K009M	35 12 55	80 15 24	30.00	.70	.20	.700	1,500	N	N	N	30	300
80K010M	35 13 49	80 15 22	30.00	.50	.20	.500	2,000	N	N	N	50	500
80K011M	35 12 49	80 15 10	30.00	.30	.20	.500	1,000	N	N	N	30	300
80K012M	35 13 52	80 16 17	30.00	1.50	2.00	.700	7,000	N	N	N	20	700
80K013M	35 14 23	80 18 42	50.00	.70	.20	.700	1,500	N	N	N	20	200
80K014M	35 14 53	80 21 42	50.00	1.00	1.00	>2.000	5,000	N	N	N	N	200
80K014M	35 14 53	80 21 42	50.00	.70	.70	>2.000	5,000	N	N	N	N	70
80K016M	35 12 31	80 21 54	50.00	.70	1.00	>2.000	7,000	N	N	N	N	150
80K017M	35 12 8	80 19 51	50.00	.50	.70	>2.000	7,000	N	N	N	N	<50
80K018M	35 11 48	80 19 44	10.00	.30	.30	2.000	1,500	N	N	N	100	200
80K019M	35 10 52	80 19 27	20.00	1.00	.50	2.000	1,500	N	N	N	150	200
80K020M	35 10 56	80 21 24	30.00	.50	.30	>2.000	2,000	N	N	N	150	300
80K021M	35 9 54	80 20 42	20.00	.30	.30	1.500	1,000	N	N	N	150	500
80K022M	35 14 52	80 19 15	15.00	1.00	.50	>2.000	2,000	N	N	N	200	150
80K023M	35 13 50	80 18 8	20.00	5.00	7.00	2.000	1,500	N	N	N	20	50
80K024M	35 13 28	80 22 21	15.00	1.00	.50	>2.000	5,000	N	N	N	200	200
80K025M	35 9 31	80 19 45	30.00	.70	.50	>2.000	2,000	N	N	N	700	300
80K026M	35 8 36	80 20 50	20.00	.20	.15	2.000	2,000	N	N	N	100	300
80K027M	35 8 49	80 22 18	20.00	.20	.20	>2.000	3,000	N	N	N	150	200
80K028M	35 8 10	80 16 37	15.00	5.00	20.00	>2.000	2,000	N	N	N	<20	<50
80K029M	35 14 55	80 15 12	20.00	.50	.20	2.000	2,000	N	N	N	200	200
8ST002M	35 13 45	80 23 5	20.00	.30	2.00	2.000	1,500	50.0	N	N	500	200
8ST003M	35 13 32	80 23 32	5.00	.50	2.00	>2.000	1,000	N	N	N	1,000	100
8ST004M	35 13 4	80 22 31	15.00	1.00	.30	>.005	2,000	N	N	N	150	300
8ST005M	35 12 19	80 22 56	7.00	.30	.50	>.005	3,000	N	N	N	200	150
8ST006M	35 11 38	80 22 37	20.00	.50	.15	2.000	3,000	N	N	N	200	500
8ST007M	35 10 32	80 26 10	20.00	.50	.30	1.500	3,000	N	N	N	200	500
8ST008M	35 10 35	80 27 34	20.00	.50	.20	>2.000	3,000	N	N	N	50	200
8ST009M	35 11 3	80 28 41	30.00	1.50	5.00	>2.000	3,000	N	N	N	500	200
8ST010M	35 11 19	80 25 6	20.00	.50	.20	>2.000	2,000	N	N	N	100	200
8ST011M	35 11 44	80 25 19	20.00	.50	.50	>2.000	2,000	N	N	N	300	300
8ST012M	35 12 24	80 25 57	30.00	.20	1.00	>2.000	1,000	N	N	N	100	50
8ST013M	35 12 57	80 26 26	10.00	.70	3.00	>2.000	1,500	N	N	N	200	200
8ST014M	35 12 59	80 26 38	15.00	1.00	3.00	>2.000	1,500	N	N	N	200	150
8ST015M	35 14 0	80 25 58	15.00	.50	3.00	>2.000	1,000	N	N	N	200	200
8ST016M	35 14 6	80 28 6	10.00	.70	7.00	2.000	1,500	N	N	N	150	70
8ST017M	35 10 0	80 28 31	20.00	.30	.20	>2.000	2,000	N	N	N	70	300
8ST018M	35 10 4	80 28 54	30.00	.20	.20	>2.000	1,500	N	N	N	30	300
8ST019M	35 7 41	80 29 38	20.00	.30	.20	>2.000	3,000	N	N	N	50	300
8ST020M	35 7 52	80 28 15	20.00	.15	.15	>2.000	3,000	N	N	N	20	500
8ST021M	35 8 38	80 27 22	30.00	.30	.10	>2.000	3,000	N	N	N	30	300
8ST022M	35 7 50	80 26 31	15.00	.50	.20	>2.000	5,000	N	N	N	100	150
8ST023M	35 9 33	80 23 43	20.00	.50	.30	2.000	2,000	N	N	N	100	500
8ST024M	35 7 52	80 23 23	20.00	.20	.20	>2.000	10,000	N	N	N	70	1,000
8WD01M	35 6 59	80 27 48	1.00	.50	.15	>2.000	2,000	N	N	N	200	300

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-2--Continued						
80K009M	7	N	N	30	1,000	50	100	N	N	150	30
80K010M	7	N	N	30	1,500	50	100	N	N	150	30
80K011M	7	N	N	20	700	70	150	N	N	70	20
80K012M	7	N	N	30	1,500	70	100	N	N	200	20
80K013M	7	N	N	20	300	70	150	N	N	100	20
80K014M	3	N	N	70	70	30	500	N	50	100	20
80K014M	3	N	N	50	100	30	300	N	50	100	20
80K016M	2	N	N	70	70	50	700	N	50	100	20
80K017M	2	N	N	50	150	30	500	N	50	100	20
80K018M	5	N	N	20	100	70	1,500	10	50	50	50
80K019M	7	N	N	30	500	150	2,000	N	500	100	200
80K020M	7	N	N	30	300	150	1,000	N	100	50	200
80K021M	7	N	N	20	300	100	2,000	N	<50	50	70
80K022M	7	N	N	30	200	200	2,000	N	500	70	200
80K023M	2	N	N	30	2,000	20	300	N	150	200	20
80K024M	7	N	N	100	100	300	1,500	N	100	30	200
80K025M	5	N	N	30	200	150	>2,000	N	50	50	150
80K026M	7	N	N	30	300	100	2,000	15	<50	30	70
80K027M	7	N	N	20	100	100	1,000	N	70	20	100
80K028M	2	N	N	50	5,000	<10	150	N	70	200	20
80K029M	7	N	N	20	200	70	500	N	<50	50	70
8ST002M	5	N	N	30	500	70	2,000	N	500	50	700
8ST003M	3	N	N	20	500	30	1,000	N	100	20	70
8ST004M	5	N	N	50	300	100	50	N	70	70	70
8ST005M	5	N	N	70	300	100	1,000	N	100	50	70
8ST006M	7	N	N	30	300	100	1,000	N	50	70	100
8ST007M	5	N	N	30	300	100	300	N	<50	50	70
8ST008M	3	N	N	30	1,000	70	1,000	N	70	70	70
8ST009M	3	N	N	50	1,500	100	1,500	N	200	70	200
8ST010M	5	N	N	20	200	150	1,500	N	70	50	100
8ST011M	3	N	N	70	200	200	500	N	50	30	70
8ST012M	5	N	N	50	1,500	100	1,000	N	70	50	100
8ST013M	3	N	N	15	2,000	20	500	N	50	70	70
8ST014M	2	N	N	20	3,000	700	500	N	50	70	1,500
8ST015M	3	N	N	15	200	10	500	N	100	20	100
8ST016M	3	N	N	30	5,000	30	1,000	N	150	100	200
8ST017M	5	N	N	30	200	70	200	N	50	30	70
8ST018M	5	N	N	20	200	100	100	N	<50	70	50
8ST019M	5	N	N	20	300	100	500	N	200	50	70
8ST020M	3	N	N	20	200	50	200	N	100	30	30
8ST021M	3	N	N	30	300	50	200	N	100	50	50
8ST022M	3	N	N	20	1,500	50	1,000	N	200	50	50
8ST023M	5	N	N	20	200	70	500	N	70	50	50
8ST024M	3	N	N	50	100	50	300	10	100	30	50
8W001M	3	N	N	30	1,500	20	500	N	50	20	150

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-2--Continued					
80K009M	N	N	N	<200	1,000	N	<20	N	70	N
80K010M	N	N	N	200	1,500	N	<20	N	70	N
80K011M	N	N	N	<200	1,000	N	20	N	100	N
80K012M	N	<10	N	700	1,000	N	20	N	100	N
80K013M	N	10	N	<200	1,500	N	20	N	150	N
80K014M	N	20	N	N	500	N	700	N	>2,000	N
80K014M	N	15	N	N	500	N	700	N	>2,000	N
80K016M	N	15	N	N	500	N	700	N	>2,000	N
80K017M	N	10	N	N	500	N	500	N	>2,000	N
80K018M	N	20	N	<200	200	N	150	N	200	N
80K019M	N	20	N	200	200	N	500	N	500	N
80K020M	N	30	N	200	200	N	500	N	300	N
80K021M	N	15	N	200	150	N	150	N	300	300
80K022M	N	30	300	<200	200	N	700	N	700	300
80K023M	N	100	N	N	500	N	200	N	70	N
80K024M	N	70	N	200	200	N	200	N	500	N
80K025M	N	50	N	200	200	N	1,000	N	700	1,000
80K026M	N	30	N	<200	200	N	200	N	300	200
80K027M	N	30	N	<200	150	N	200	N	500	<200
80K028M	N	100	N	700	500	N	70	N	70	N
80K029M	N	20	200	<200	200	N	150	N	100	N
8ST002M	N	70	1,500	500	300	N	200	N	1,500	200
8ST003M	N	100	N	500	300	N	300	N	2,000	200
8ST004M	N	50	N	<200	200	N	100	N	1,500	N
8ST005M	N	70	N	200	200	N	500	N	1,000	200
8ST006M	N	30	50	<200	200	N	500	N	500	N
8ST007M	N	30	N	<200	300	N	100	N	200	N
8ST008M	N	70	N	<200	300	N	200	N	300	N
8ST009M	N	100	N	1,000	300	N	300	N	2,000	<200
8ST010M	N	50	N	<200	300	N	300	N	700	N
8ST011M	N	30	N	200	200	N	100	N	700	N
8ST012M	N	50	50	300	300	N	150	N	1,500	<200
8ST013M	N	50	N	700	200	N	200	N	1,500	<200
8ST014M	N	70	N	500	300	N	150	N	>2,000	<200
8ST015M	N	50	N	700	200	N	150	N	1,500	N
8ST016M	N	50	N	1,000	150	N	200	N	1,500	<200
8ST017M	N	50	N	<200	200	N	300	N	700	N
8ST018M	N	30	N	<200	200	N	200	N	300	N
8ST019M	N	50	N	<200	200	N	500	N	200	N
8ST020M	N	50	N	<200	200	N	300	N	200	N
8ST021M	N	50	N	<200	200	N	500	N	500	N
8ST022M	N	100	N	<200	150	N	1,000	N	700	N
8ST023M	N	30	N	200	200	N	100	N	100	N
8ST024M	N	50	N	<200	150	N	200	N	150	N
8W001M	N	30	N	200	50	N	300	N	200	<200

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-2--Continued							
8W002M	35 6 41	80 28 8	1.00	.50	.20	>2.000	2,000	N	N	N	150	200
8W003M	35 7 15	80 29 46	1.50	.50	.20	>2.000	1,000	N	N	N	200	500
8W004M	35 4 26	80 28 45	7.00	1.50	1.50	1.000	1,000	N	N	N	30	300
8W005M	35 4 53	80 28 13	3.00	.50	.10	>2.000	1,000	N	N	N	200	500
8W006M	35 0 29	80 29 0	2.00	.15	.10	>2.000	1,500	N	N	N	70	150
8W007M	35 1 25	80 26 51	3.00	.50	.10	>2.000	1,000	N	N	N	200	500
8W008M	35 0 8	80 26 41	1.50	.10	<.10	>2.000	2,000	1.0	N	N	50	100
8W009M	35 0 18	80 24 41	2.00	.50	.15	>2.000	2,000	N	N	N	70	200
8W010M	35 2 40	80 23 39	2.00	.20	.10	>2.000	1,500	N	N	N	200	150
8W012M	35 3 21	80 26 39	10.00	.70	.30	1.500	700	N	N	N	50	300
8W013M	35 3 22	80 27 53	5.00	7.00	5.00	1.500	1,000	N	N	N	50	100
8W014M	35 5 27	80 26 48	7.00	.20	2.00	1.500	1,500	N	N	N	30	200
8W015M	35 4 35	80 25 46	7.00	2.00	2.00	1.000	1,000	N	N	N	50	300
8W016M	35 4 49	80 24 35	7.00	.30	3.00	2.000	1,000	1.0	N	N	150	100
8W017M	35 4 2	80 24 21	5.00	1.00	.50	>2.000	1,000	N	N	N	30	200
8W018M	35 6 9	80 24 19	10.00	.70	.70	>2.000	1,000	N	N	N	150	300
8W020M	35 3 20	80 26 38	20.00	.50	1.50	1.000	1,500	N	N	N	100	300
8W022M	35 6 37	80 22 51	10.00	.30	3.00	1.500	1,500	N	N	N	50	100
8W024M	35 2 10	80 23 58	15.00	.50	.20	>2.000	1,000	N	N	N	200	200
8W027M	35 2 52	80 26 25	10.00	.20	.15	>2.000	3,000	N	N	N	200	100
8W028M	35 4 31	80 25 52	20.00	.50	1.00	1.500	1,000	N	N	N	500	200
					A-3							
8BK001M	35 3 12	80 37 28	7.00	.20	3.00	>2.000	3,000	N	N	N	300	150
8BK002M	35 7 29	80 36 11	10.00	.30	5.00	2.000	1,500	N	N	N	70	100
8BK003M	35 6 7	80 35 1	7.00	.50	10.00	2.000	1,000	N	N	N	1,000	N
8BK004M	35 4 26	80 35 10	5.00	.10	5.00	>2.000	1,000	N	N	N	500	N
8BK005M	35 3 51	80 36 13	7.00	.20	10.00	>2.000	1,500	N	N	N	300	N
8BK006M	35 2 38	80 35 29	7.00	.30	.50	>2.000	2,000	N	N	N	300	150
8BK007M	35 1 59	80 35 45	7.00	.20	1.50	>2.000	1,500	N	N	N	500	70
8BK008M	35 1 27	80 36 18	10.00	2.00	.20	>2.000	1,500	N	N	N	>5,000	100
8BK009M	35 0 11	80 36 36	10.00	.15	1.50	>2.000	>10,000	N	N	N	500	100
8BK010M	35 0 48	80 32 38	20.00	.70	1.50	>2.000	1,500	N	N	N	2,000	500
8BK011M	35 0 49	80 32 41	20.00	.50	1.00	>2.000	1,500	N	N	N	1,000	500
8BK012M	35 2 3	80 33 32	20.00	.50	.70	>2.000	1,500	N	N	N	1,500	300
8BK013M	35 1 16	80 33 35	7.00	.20	.70	>2.000	2,000	N	N	N	700	100
8BK014M	35 2 10	80 34 47	20.00	.20	.50	>2.000	1,000	N	N	N	1,000	200
8BK015M	35 1 47	80 33 46	10.00	.30	1.00	>2.000	3,000	N	N	N	1,500	500
8BK016M	35 2 53	80 34 8	10.00	.50	1.50	>2.000	1,000	N	N	N	500	100
8BK017M	35 5 19	80 34 2	.70	.05	5.00	>2.000	700	N	N	N	70	N
8BK018M	35 5 20	80 32 46	20.00	.30	.50	>2.000	700	N	N	N	1,000	200
8BK019M	35 5 17	80 33 30	15.00	.20	1.50	>2.000	500	N	N	N	1,000	200
8BK020M	35 3 38	80 32 29	15.00	1.50	10.00	2.000	1,500	N	N	N	500	500

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-2--Continued						
8W002M	3	N	N	30	1,000	20	500	15	70	15	70
8W003M	5	N	N	30	300	15	500	N	50	20	150
8W004M	5	N	N	30	700	20	150	10	<50	100	70
8W005M	3	N	N	50	1,500	15	150	30	<50	150	50
8W006M	3	N	N	30	300	15	300	N	70	10	100
8W007M	5	N	N	50	300	70	150	10	50	50	70
8W008M	3	N	N	70	200	70	<50	N	70	<10	100
8W009M	3	N	N	70	200	70	150	N	70	15	100
8W010M	5	N	N	50	300	50	500	15	70	20	100
8W012M	7	N	N	50	200	70	200	N	<50	70	100
8W013M	<2	N	N	50	2,000	15	150	N	<50	200	30
8W014M	5	N	N	15	150	15	150	<10	<50	10	70
8W015M	3	N	N	50	1,000	50	150	10	<50	150	50
8W016M	2	N	N	20	200	70	200	N	<50	20	10,000
8W017M	5	N	N	70	700	30	50	N	70	20	50
8W018M	5	N	N	30	1,000	70	500	N	50	50	100
8W020M	5	N	N	50	150	70	200	N	<50	20	50
8W022M	N	N	N	50	150	50	150	N	50	10	30
8W024M	5	N	N	50	100	50	300	N	100	30	50
8W027M	5	N	N	100	300	100	500	N	150	30	100
8W028M	5	N	N	30	200	70	300	N	<50	50	100
					A-3--Continued						
8BK001M	5	N	N	100	500	500	2,000	N	100	20	150
8BK002M	N	N	N	70	500	70	700	N	50	10	100
8BK003M	N	N	N	N	1,000	20	2,000	N	50	10	70
8BK004M	N	N	N	20	1,000	30	>2,000	N	70	N	100
8BK005M	N	N	N	20	1,000	50	700	N	50	N	300
8BK006M	5	N	N	30	300	50	500	10	100	N	70
8BK007M	3	N	N	30	500	50	>2,000	10	70	N	100
8BK008M	7	N	N	30	500	50	2,000	15	50	30	150
8BK009M	N	N	N	70	300	100	700	N	100	N	500
8BK010M	<2	N	N	50	500	300	>2,000	N	50	100	700
8BK011M	7	N	N	50	700	200	700	N	<50	70	150
8BK012M	5	N	N	30	1,000	500	1,000	N	50	70	150
8BK013M	5	N	N	30	500	100	1,500	N	70	30	100
8BK014M	5	N	N	50	500	100	700	N	50	30	200
8BK015M	7	N	N	50	500	100	2,000	N	150	N	150
8BK016M	3	N	N	20	500	50	2,000	N	100	20	100
8BK017M	N	N	N	10	700	15	1,000	N	N	N	50
8BK018M	3	N	N	50	300	70	1,500	N	70	20	100
8BK019M	10	N	N	50	300	200	500	N	50	150	300
8BK020M	3	N	N	20	700	50	1,000	N	70	100	70

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-2--Continued					
8W002M	N	50	N	1,000	70	N	300	N	150	N
8W003M	N	20	N	<200	50	N	500	N	1,500	<200
8W004M	N	50	N	200	50	N	70	N	100	N
8W005M	N	70	N	200	200	N	70	N	300	N
8W006M	N	20	N	<200	200	N	70	N	100	N
8W007M	N	20	N	<200	100	<100	50	N	150	N
8W008M	N	20	N	<200	150	N	100	N	100	N
8W009M	N	20	N	<200	100	N	70	N	100	N
8W010M	N	20	N	200	100	N	200	N	100	<200
8W012M	N	20	N	500	100	N	70	N	150	N
8W013M	N	150	N	300	300	N	70	N	30	N
8W014M	N	20	N	2,000	200	N	50	N	150	N
8W015M	N	70	N	300	200	N	50	N	100	N
8W016M	300	30	N	1,000	200	N	70	N	70	N
8W017M	N	30	N	200	300	N	70	N	150	N
8W018M	N	20	N	500	100	N	150	N	150	<200
8W020M	N	10	N	1,000	200	N	30	N	150	N
8W022M	N	50	N	500	300	N	50	N	150	N
8W024M	N	20	N	<200	150	N	100	N	150	N
8W027M	N	20	100	200	100	N	100	N	150	500
8W028M	N	15	N	700	150	N	50	N	200	N
					A-3--Continued					
8BK001M	N	30	100	200	200	N	150	N	200	200
8BK002M	N	20	N	1,000	500	N	70	N	70	N
8BK003M	N	70	N	700	700	N	500	N	500	300
8BK004M	N	50	30	200	500	N	500	N	500	300
8BK005M	N	100	<20	700	700	N	300	N	500	<200
8BK006M	N	20	N	500	200	N	200	N	150	N
8BK007M	N	50	500	2,000	200	N	500	N	1,000	700
8BK008M	N	30	20	N	200	N	300	N	200	200
8BK009M	N	30	30	N	100	N	200	N	150	200
8BK010M	N	30	500	1,000	200	N	300	700	1,500	300
8BK011M	N	20	70	500	200	N	70	N	150	<200
8BK012M	N	20	N	300	200	N	100	N	300	<200
8BK013M	N	20	100	700	200	N	200	N	200	<200
8BK014M	N	20	100	300	200	N	70	N	700	200
8BK015M	N	30	N	1,500	200	N	300	N	1,000	500
8BK016M	N	N	N	2,000	200	N	150	N	500	200
8BK017M	N	N	N	<200	200	N	100	N	100	N
8BK018M	N	10	N	<200	200	N	150	N	200	200
8BK019M	N	10	N	200	200	N	100	N	150	N
8BK020M	N	10	N	>10,000	500	N	70	N	150	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-3--Continued							
8BK021M	35 3 11	80 32 11	15.00	.70	3.00	>2.000	2,000	N	N	N	1,500	500
8BK022M	35 3 15	80 33 48	15.00	.70	1.50	>2.000	1,500	N	N	N	2,000	300
8BK023M	35 1 52	80 31 45	20.00	1.00	10.00	>2.000	1,500	N	N	N	2,000	500
8BK024M	35 1 29	80 30 44	20.00	1.50	3.00	>2.000	1,500	N	N	N	2,000	500
8BK025M	35 4 48	80 30 12	15.00	10.00	15.00	1.500	2,000	N	N	N	1,000	50
8BK026M	35 4 37	80 30 23	15.00	15.00	.70	>2.000	1,500	N	N	N	2,000	700
8BK027M	35 6 57	80 35 14	15.00	.70	15.00	2.000	2,000	N	N	N	150	100
8BK028M	35 6 46	80 31 50	15.00	.30	.15	>2.000	1,500	N	N	N	500	300
8BK029M	35 6 41	80 30 24	15.00	.20	.10	>2.000	3,000	1.0	N	N	1,500	700
8BK030M	35 6 32	80 30 21	10.00	.50	1.50	>2.000	2,000	1.0	N	N	3,000	300
8BK031M	35 5 47	80 30 25	20.00	.50	1.00	2.000	1,000	N	N	N	1,000	700
8CC004M	35 15 0	80 35 37	5.00	1.50	7.00	.700	2,000	N	N	N	<20	N
8MA001M	35 6 9	80 43 59	10.00	1.00	5.00	2.000	2,000	N	N	N	<20	100
8MA002M	35 6 20	80 43 48	20.00	.50	3.00	2.000	3,000	N	N	N	<20	100
8MA003M	35 6 26	80 44 12	10.00	2.00	5.00	.700	2,000	N	N	N	20	200
8MA004M	35 4 14	80 42 38	15.00	.15	5.00	1.000	3,000	N	N	N	20	100
8MA005M	35 2 42	80 42 31	10.00	.30	5.00	1.000	2,000	N	N	N	20	150
8MA006M	35 1 53	80 43 5	5.00	.20	1.50	2.000	3,000	N	N	N	70	100
8MA007M	35 0 32	80 43 53	7.00	.70	3.00	1.000	2,000	N	N	N	20	150
8MA008M	35 1 3	80 44 56	1.00	.20	.30	2.000	2,000	N	N	N	100	100
8MA009M	35 0 13	80 43 24	7.00	.30	3.00	1.500	5,000	N	N	N	20	100
8MA010M	35 0 16	80 43 2	10.00	.20	2.00	>2.000	7,000	N	N	N	20	150
8MA011M	35 0 31	80 41 11	7.00	.30	3.00	>2.000	1,500	N	N	N	100	100
8MA012M	35 0 34	80 39 42	7.00	1.00	3.00	>2.000	2,000	N	N	N	70	100
8MA013M	35 0 16	80 38 39	15.00	.20	.10	>2.000	5,000	N	N	N	100	150
8MA014M	35 1 22	80 38 27	10.00	.70	3.00	>2.000	1,500	N	N	N	20	70
8MA015M	35 1 12	80 39 22	7.00	.30	3.00	2.000	1,500	10.0	N	N	200	100
8MA016M	35 2 20	80 41 12	7.00	.20	2.00	>2.000	3,000	N	N	N	200	100
8MA017M	35 6 32	80 42 42	10.00	.50	5.00	1.000	3,000	N	N	N	<20	100
8MA018M	35 6 10	80 42 23	7.00	.15	5.00	1.500	2,000	N	N	N	50	100
8MA019M	35 4 22	80 41 21	10.00	.15	5.00	1.500	2,000	N	N	N	<20	70
8MA020M	35 3 34	80 41 27	7.00	1.00	3.00	>2.000	2,000	N	N	N	100	100
8MA021M	35 3 6	80 40 30	10.00	.70	5.00	1.000	1,500	N	N	N	30	150
8MA022M	35 1 31	80 42 24	7.00	.15	5.00	2.000	3,000	N	N	N	20	70
8MA023M	35 1 59	80 40 39	7.00	.70	5.00	1.000	1,000	N	N	N	100	100
8MA024M	35 1 56	80 38 22	15.00	.30	.50	>2.000	1,500	N	N	N	200	150
8MA025M	35 4 9	80 37 49	5.00	.20	5.00	1.500	1,500	N	N	N	100	70
8MA026M	35 4 44	80 38 32	5.00	.15	3.00	>2.000	1,500	N	N	N	150	70
8MA027M	35 4 46	80 39 13	5.00	.10	3.00	>2.000	2,000	N	N	N	150	70
8MA028M	35 4 27	80 40 33	7.00	.15	3.00	>2.000	3,000	N	N	N	<20	150
8MA029M	35 6 23	80 37 57	7.00	.20	3.00	2.000	2,000	N	N	N	100	70
8MA031M	35 6 37	80 40 23	7.00	.50	5.00	.700	1,500	N	N	N	<20	100
8MA032M	35 7 35	80 39 48	10.00	.70	3.00	1.000	1,500	N	N	N	20	100
8MD001M	35 13 16	80 34 33	10.00	.50	7.00	2.000	3,000	N	N	N	<20	N
8MD002M	35 13 40	80 34 10	7.00	.30	10.00	1.500	2,000	N	N	N	<20	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-3--Continued						
8BK021M	7	N	N	30	500	70	2,000	N	100	30	200
8BK022M	5	N	N	50	500	100	>2,000	N	150	50	200
8BK023M	3	N	N	50	500	70	2,000	N	70	50	150
8BK024M	10	N	N	50	1,000	100	70	N	100	200	100
8BK025M	N	N	N	100	7,000	10	N	N	N	700	N
8BK026M	10	N	N	30	300	150	1,500	N	70	50	200
8BK027M	2	20	N	20	300	200	1,000	N	50	20	100
8BK028M	7	N	N	50	200	70	700	N	150	N	100
8BK029M	10	N	N	50	500	70	>2,000	N	150	N	100
8BK030M	10	N	N	50	500	100	>2,000	N	150	30	200
8BK031M	7	N	N	50	500	200	700	N	50	100	150
8CC004M	N	N	N	30	150	10	50	N	<50	20	20
8MA001M	N	N	N	15	300	20	200	N	70	30	70
8MA002M	N	N	N	100	300	70	500	N	50	30	30
8MA003M	N	N	N	20	300	50	700	N	N	70	20
8MA004M	N	N	N	15	300	30	2,000	N	100	10	50
8MA005M	N	N	N	15	300	20	1,500	N	150	10	100
8MA006M	3	N	N	20	200	<10	>2,000	N	200	N	200
8MA007M	N	N	N	20	150	30	>2,000	N	100	10	100
8MA008M	<2	N	N	20	150	10	>2,000	N	150	N	200
8MA009M	N	N	N	30	150	30	2,000	N	300	30	50
8MA010M	<2	N	N	20	1,500	30	>2,000	N	500	15	150
8MA011M	N	N	N	20	700	30	100	N	70	20	20
8MA012M	N	N	N	50	700	50	300	N	70	50	50
8MA013M	7	N	N	100	500	100	200	10	150	50	70
8MA014M	<2	N	N	20	500	50	N	N	50	30	30
8MA015M	N	N	N	15	700	300	2,000	N	50	30	70
8MA016M	N	N	N	20	1,000	50	2,000	10	100	20	150
8MA017M	N	N	N	20	150	30	300	N	<50	15	30
8MA018M	N	N	N	10	70	30	500	N	50	10	50
8MA019M	N	N	N	10	300	50	1,500	N	100	10	70
8MA020M	<2	N	N	20	700	30	1,500	N	100	70	100
8MA021M	N	N	N	20	700	50	200	N	<50	30	30
8MA022M	<2	N	N	10	700	20	2,000	N	200	10	100
8MA023M	N	N	N	15	500	30	100	N	N	20	20
8MA024M	3	N	N	70	700	70	200	N	100	50	50
8MA025M	N	N	N	10	700	30	700	N	200	10	200
8MA026M	N	N	N	15	700	20	200	N	50	10	50
8MA027M	2	N	N	10	300	15	1,000	N	50	10	100
8MA028M	2	N	N	10	150	50	700	<10	70	10	100
8MA029M	N	N	N	15	300	50	700	N	50	10	70
8MA031M	N	N	N	10	100	20	200	N	N	10	50
8MA032M	N	N	N	70	500	50	500	N	N	30	30
8MD001M	<2	N	N	200	1,000	150	70	N	<50	70	50
8MD002M	N	N	N	20	500	50	<50	N	<50	<10	30

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-3--Continued					
8BK021M	N	20	N	10,000	300	N	150	N	200	200
8BK022M	N	30	N	700	300	N	500	500	1,000	500
8BK023M	N	20	N	>10,000	300	N	150	<500	500	N
8BK024M	N	30	N	1,000	200	N	50	500	200	N
8BK025M	N	200	N	200	500	N	50	N	30	N
8BK026M	N	20	150	300	200	N	100	N	150	N
8BK027M	N	70	N	2,000	1,000	N	100	N	300	200
8BK028M	N	20	N	<200	200	N	500	N	200	200
8BK029M	N	50	N	N	200	N	2,000	1,000	500	200
8BK030M	N	50	N	200	200	N	1,000	500	500	700
8BK031M	N	20	N	200	500	N	70	<500	1,500	<200
8CC004M	N	50	N	1,000	500	N	50	N	300	N
8MA001M	N	50	100	700	300	N	70	N	>2,000	N
8MA002M	N	50	N	700	500	N	200	N	>2,000	N
8MA003M	N	50	N	1,000	300	N	150	N	>2,000	N
8MA004M	N	50	50	500	300	N	700	N	>2,000	500
8MA005M	N	50	50	700	300	N	200	N	>2,000	200
8MA006M	N	10	30	<200	200	N	5,000	N	2,000	>5,000
8MA007M	N	10	N	500	300	N	1,500	N	2,000	2,000
8MA008M	N	10	30	N	100	N	5,000	700	>2,000	>5,000
8MA009M	N	30	N	300	300	N	1,000	N	2,000	500
8MA010M	N	N	20	500	200	N	1,000	<500	>2,000	1,000
8MA011M	N	70	N	500	500	N	100	N	500	N
8MA012M	N	70	N	1,000	700	N	100	N	500	N
8MA013M	N	30	N	<200	200	N	100	700	500	N
8MA014M	N	30	N	500	500	N	20	N	500	N
8MA015M	N	50	N	700	300	N	200	N	1,000	500
8MA016M	N	70	N	700	200	N	500	N	>2,000	700
8MA017M	N	50	N	700	300	N	70	N	2,000	N
8MA018M	N	70	N	700	300	N	100	N	2,000	N
8MA019M	N	70	<20	1,000	300	N	200	N	>2,000	200
8MA020M	N	50	N	700	200	N	200	N	>2,000	500
8MA021M	N	100	<20	700	700	N	100	N	1,500	N
8MA022M	N	50	N	1,000	200	N	500	N	2,000	300
8MA023M	N	70	N	700	700	N	70	N	500	N
8MA024M	N	30	N	<200	200	N	50	N	150	N
8MA025M	N	100	<20	700	700	N	150	N	1,500	<200
8MA026M	N	150	N	1,000	700	N	100	N	1,000	N
8MA027M	N	30	N	700	200	N	300	N	2,000	200
8MA028M	N	70	N	1,000	200	N	200	N	2,000	N
8MA029M	N	50	N	700	300	N	200	N	2,000	200
8MA031M	N	50	N	700	500	N	50	N	1,000	N
8MA032M	N	70	N	1,000	500	N	100	N	1,000	N
8MD001M	N	50	N	1,000	500	<100	70	N	1,000	N
8MD002M	N	30	N	1,000	500	N	50	N	70	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-3--Continued							
8MD003M	35 12 32	80 34 47	7.00	.30	10.00	1.500	1,500	N	N	N	<20	50
8MD004M	35 12 27	80 34 49	10.00	.50	10.00	>2.000	7,000	N	N	N	<20	N
8MD005M	35 12 58	80 32 41	10.00	.30	10.00	1.500	2,000	N	N	N	<20	50
8MD006M	35 12 18	80 33 19	7.00	.20	7.00	>2.000	1,500	N	N	N	50	N
8MD007M	35 11 40	80 36 29	10.00	.50	10.00	>2.000	3,000	N	N	N	<20	N
8MD008M	35 10 8	80 36 3	15.00	.20	7.00	>2.000	3,000	N	N	N	20	<50
8MD009M	35 9 0	80 36 2	7.00	.15	10.00	>2.000	2,000	N	N	N	30	<50
8MD010M	35 7 54	80 35 38	7.00	.50	10.00	1.500	1,500	N	N	N	30	N
8MD011M	35 7 38	80 34 54	7.00	.30	5.00	>2.000	1,500	N	N	N	30	<50
8MD012M	35 10 10	80 34 45	7.00	.15	3.00	>2.000	3,000	N	N	N	20	50
8MD013M	35 10 14	80 34 46	10.00	.20	5.00	>2.000	3,000	N	N	N	30	50
8MD014M	35 9 43	80 34 27	10.00	.20	7.00	>2.000	1,000	N	N	N	50	<50
8MT001M	35 8 27	80 39 31	5.00	1.00	7.00	.300	1,000	N	N	N	20	100
8MT002M	35 8 48	80 39 5	7.00	.30	10.00	.500	1,000	N	N	N	30	50
8MT003M	35 7 51	80 37 54	5.00	.15	7.00	.500	1,000	N	N	N	20	50
8MT004M	35 8 3	80 43 2	7.00	.50	10.00	.700	1,500	N	N	N	20	50
8MT005M	35 9 30	80 42 45	7.00	.30	7.00	.700	1,000	N	N	N	20	50
8MT006M	35 9 46	80 43 54	10.00	1.00	7.00	.700	1,500	N	N	N	20	50
8MT007M	35 9 51	80 44 16	5.00	.70	5.00	.700	1,000	N	N	N	50	100
8MT008M	35 9 24	80 44 25	7.00	.70	7.00	.700	1,000	N	N	N	20	50
8MT009M	35 11 13	80 44 13	7.00	.70	7.00	1.000	1,000	N	N	N	100	70
8MT010M	35 12 12	80 44 28	7.00	.50	7.00	1.000	1,000	N	N	N	150	50
8MT011M	35 10 34	80 43 8	5.00	.30	7.00	.700	1,000	N	N	N	20	50
8MT012M	35 9 39	80 41 56	7.00	.30	5.00	1.000	1,000	N	N	N	30	50
8MT013M	35 9 37	80 41 53	7.00	.50	5.00	.700	1,000	N	N	N	20	50
8MT014M	35 7 45	80 42 28	7.00	.70	5.00	.500	1,000	N	N	N	20	50
8MT015M	35 9 59	80 41 22	7.00	.30	5.00	.700	1,000	N	N	N	20	50
8MT016M	35 11 39	80 42 15	7.00	.50	5.00	.500	1,000	N	N	N	20	50
8MT017M	35 11 37	80 42 12	5.00	.50	7.00	.700	1,000	N	N	N	20	70
8MT018M	35 10 46	80 40 36	7.00	.20	5.00	.500	1,000	N	N	N	20	50
8MT019M	35 10 38	80 39 42	5.00	.30	5.00	15.000	1,000	N	N	N	20	50
8MT020M	35 9 2	80 38 34	5.00	.20	7.00	15.000	1,000	N	N	N	<20	50
8MT021M	35 8 58	80 38 6	10.00	.30	5.00	.700	1,500	N	N	N	20	70
8MT022M	35 12 11	80 38 1	7.00	.15	7.00	.700	1,000	N	N	N	20	50
8MT023M	35 12 16	80 38 4	5.00	.30	5.00	1.000	1,000	N	N	N	30	50
8MT024M	35 14 27	80 43 2	5.00	.70	7.00	.500	1,000	N	N	N	200	70
8MT025M	35 14 29	80 43 3	5.00	.30	5.00	15.000	1,000	N	N	N	150	50
8MT026M	35 14 34	80 41 1	5.00	.20	7.00	.300	1,000	N	N	N	100	50
8MT027M	35 13 31	80 39 53	10.00	.70	5.00	.500	1,000	N	N	N	20	50
8MT028M	35 12 27	80 38 47	7.00	.20	10.00	.700	1,000	N	N	N	<20	<50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-3--Continued						
8MD003M	<2	N	N	100	1,000	70	200	N	50	10	30
8MD004M	<2	N	N	150	2,000	100	500	N	70	<10	50
8MD005M	<2	N	N	100	1,000	70	500	N	200	<10	50
8MD006M	<2	N	N	20	100	10	200	N	50	<10	50
8MD007M	<2	N	N	70	1,000	20	700	N	100	<10	30
8MD008M	<2	N	N	70	700	30	150	N	70	<10	30
8MD009M	2	N	N	15	200	10	500	N	50	<10	50
8MD010M	N	N	N	10	300	20	500	N	N	<10	50
8MD011M	<2	N	N	20	500	10	200	N	50	<10	50
8MD012M	<2	N	N	20	1,000	20	300	N	70	<10	70
8MD013M	<2	N	N	100	500	50	200	N	<50	20	30
8MD014M	<2	N	N	70	1,000	50	700	N	70	50	50
8MT001M	N	N	N	15	200	30	150	N	N	30	<20
8MT002M	N	N	N	50	100	30	500	N	N	10	30
8MT003M	<2	N	N	15	50	20	500	N	N	<10	20
8MT004M	N	N	N	50	100	30	100	N	N	10	30
8MT005M	N	N	N	100	200	50	200	N	N	10	30
8MT006M	N	N	N	200	1,500	70	200	N	N	30	50
8MT007M	N	N	N	20	50	30	150	N	N	10	20
8MT008M	N	N	N	100	100	20	500	N	N	15	20
8MT009M	N	N	N	30	100	20	500	N	<50	10	500
8MT010M	N	N	N	15	100	15	500	N	N	15	700
8MT011M	N	N	N	20	100	15	200	N	N	<10	30
8MT012M	N	N	N	30	70	20	300	N	N	10	30
8MT013M	N	N	N	30	70	20	150	N	N	<10	30
8MT014M	N	N	N	50	100	30	150	N	<50	10	20
8MT015M	N	N	N	100	500	70	500	N	N	15	150
8MT016M	N	N	N	50	150	30	300	N	N	10	20
8MT017M	N	N	N	70	150	30	200	N	N	10	20
8MT018M	N	N	N	70	200	20	500	N	N	<10	30
8MT019M	<2	N	N	15	150	30	1,000	N	50	10	150
8MT020M	<2	N	N	15	200	50	500	N	N	<10	30
8MT021M	<2	N	N	15	2,000	70	1,000	N	50	20	50
8MT022M	N	N	N	15	50	15	1,000	N	100	<10	30
8MT023M	N	N	N	20	50	20	700	N	50	N	30
8MT024M	N	N	N	50	100	200	1,500	N	N	10	300
8MT025M	N	N	N	30	100	20	>2,000	N	N	<10	150
8MT026M	N	N	N	15	70	10	700	N	N	<10	20
8MT027M	<2	N	N	200	500	100	200	N	N	50	20
8MT028M	N	N	N	20	100	20	500	N	N	<10	20

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-3--Continued					
8MD003M	N	50	N	1,000	500	N	70	N	500	N
8MD004M	N	70	N	1,500	500	N	200	N	700	N
8MD005M	N	50	N	1,500	700	N	100	N	700	N
8MD006M	N	70	N	1,000	500	N	70	N	500	N
8MD007M	N	70	N	1,500	500	N	150	N	1,000	N
8MD008M	N	30	N	1,000	500	N	100	N	700	N
8MD009M	N	70	N	1,000	500	N	150	N	1,000	N
8MD010M	N	100	N	1,000	1,000	N	100	N	500	N
8MD011M	N	100	N	700	700	N	100	N	500	N
8MD012M	N	70	N	700	300	N	500	N	300	N
8MD013M	N	30	N	1,000	500	N	100	N	500	N
8MD014M	N	50	N	1,000	500	N	200	N	500	<200
8MT001M	N	20	N	500	200	N	30	N	700	N
8MT002M	N	30	N	700	500	N	50	N	500	N
8MT003M	N	20	N	700	300	N	50	N	500	N
8MT004M	N	30	N	1,000	500	N	30	N	300	N
8MT005M	N	50	N	700	500	N	100	N	300	N
8MT006M	N	20	N	1,000	500	N	30	N	2,000	N
8MT007M	N	20	N	700	300	N	30	N	700	N
8MT008M	N	30	N	700	300	N	50	N	1,500	N
8MT009M	N	20	N	1,000	300	N	30	N	1,500	N
8MT010M	N	50	N	1,000	500	N	70	N	>2,000	N
8MT011M	N	20	N	1,000	300	N	50	N	1,000	N
8MT012M	N	20	N	700	300	N	30	N	700	N
8MT013M	N	30	N	1,000	500	N	30	N	700	N
8MT014M	N	20	N	700	500	N	100	N	1,000	N
8MT015M	N	30	20	700	500	N	70	N	2,000	N
8MT016M	N	30	N	1,000	500	N	100	N	>2,000	N
8MT017M	N	20	N	700	300	N	30	N	700	N
8MT018M	N	30	N	700	500	N	50	N	1,500	N
8MT019M	N	20	20	2,000	300	N	100	N	1,500	N
8MT020M	N	20	N	700	500	N	100	N	700	N
8MT021M	N	20	N	700	500	N	300	N	500	N
8MT022M	N	30	N	1,000	500	N	150	N	700	<200
8MT023M	N	20	<20	1,000	500	N	150	N	>2,000	200
8MT024M	N	30	N	1,000	500	N	200	N	>2,000	500
8MT025M	N	N	N	1,000	300	N	700	N	>2,000	3,000
8MT026M	N	50	N	1,000	500	N	100	N	>2,000	<200
8MT027M	N	20	N	1,000	500	N	30	N	700	N
8MT028M	N	50	N	1,500	500	N	100	N	>2,000	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
						A-4						
8CE001M	35 9 52	80 51 11	10.00	.50	7.00	1.500	2,000	N	N	N	200	50
8CE002M	35 10 2	80 50 9	10.00	.70	10.00	1.000	2,000	N	N	N	200	<50
8CE003M	35 8 30	80 49 11	10.00	.50	7.00	1.000	1,500	N	N	N	150	50
8CE004M	35 7 37	80 47 31	10.00	.70	10.00	1.500	5,000	N	N	N	150	50
8CE005M	35 9 6	80 51 30	10.00	.50	10.00	1.500	2,000	N	N	N	500	100
8CE007M	35 8 55	80 45 35	10.00	.30	10.00	1.000	2,000	N	N	N	70	N
8CE008M	35 9 18	80 45 33	10.00	.30	7.00	1.500	2,000	N	N	N	500	<50
8CE009M	35 9 14	80 45 25	10.00	1.00	7.00	1.000	1,500	N	N	N	300	100
8CE010M	35 7 58	80 45 41	10.00	.70	7.00	1.500	2,000	N	N	N	100	70
8CE011M	35 10 34	80 46 24	10.00	.50	10.00	1.500	3,000	N	N	N	500	50
8CE012M	35 10 36	80 46 27	7.00	.20	7.00	1.000	1,000	N	N	N	100	<50
8CE013M	35 10 23	80 47 13	10.00	.50	7.00	1.000	1,500	N	N	N	300	70
8CE014M	35 14 2	80 46 7	7.00	.15	7.00	1.000	1,500	N	N	N	100	<50
8CW001M	35 9 50	80 55 50	10.00	1.00	10.00	1.000	2,000	N	N	N	100	50
8CW003M	35 9 7	80 59 19	15.00	7.00	7.00	2.000	3,000	N	N	N	20	200
8CW005M	35 9 56	80 54 33	30.00	3.00	5.00	>2.000	5,000	N	N	N	50	70
8CW006M	35 9 58	80 54 39	10.00	2.00	3.00	>2.000	3,000	N	N	N	200	100
8CW007M	35 8 44	80 55 35	15.00	5.00	7.00	2.000	3,000	N	N	N	20	150
8CW008M	35 9 42	80 56 23	10.00	7.00	5.00	2.000	3,000	N	N	N	200	200
8CW009M	35 10 24	80 59 4	10.00	2.00	7.00	2.000	2,000	N	N	N	150	70
8CW010M	35 10 25	80 59 7	20.00	1.00	5.00	>2.000	10,000	N	N	N	100	70
8CW011M	35 11 36	80 59 48	7.00	5.00	5.00	>2.000	1,500	N	N	N	200	150
8CW012M	35 11 36	80 59 49	10.00	2.00	5.00	1.000	2,000	N	N	N	200	50
8CW013M	35 12 38	80 58 57	10.00	1.50	10.00	1.500	2,000	N	N	N	300	100
8CW014M	35 11 5	80 56 28	10.00	1.50	7.00	1.500	2,000	N	N	N	150	70
8CW015M	35 11 35	80 56 35	15.00	.70	7.00	.700	3,000	N	N	N	20	300
8CW017M	35 12 57	80 55 24	10.00	.70	10.00	1.000	1,500	N	N	N	200	100
8CW018M	35 13 48	80 54 38	15.00	.70	7.00	>2.000	10,000	N	N	N	200	150
8CW019M	35 13 54	80 54 51	7.00	.30	7.00	.300	500	N	N	N	200	50
8CW020M	35 13 54	80 55 1	15.00	.50	10.00	.700	1,000	N	N	N	500	100
8CW021M	35 14 6	80 58 38	5.00	.50	10.00	.500	700	N	N	N	20	50
8CW022M	35 14 14	80 58 39	7.00	.70	10.00	.500	700	N	N	N	50	70
8CW023M	35 12 1	80 53 38	10.00	1.50	7.00	.700	700	N	N	N	200	50
8WD001M	35 1 52	80 52 35	7.00	.30	5.00	.500	1,500	N	N	N	50	50
8WD002M	35 7 16	80 49 54	7.00	3.00	5.00	.700	1,000	N	N	N	100	50
8WD003M	35 7 20	80 50 22	5.00	2.00	5.00	1.500	1,000	N	N	N	500	50
8WD004M	35 6 47	80 50 52	7.00	5.00	5.00	1.000	1,500	N	N	N	50	50
8WD005M	35 5 42	80 51 28	7.00	2.00	3.00	1.000	1,000	N	N	N	100	50
8WD006M	35 2 18	80 51 40	5.00	.30	5.00	1.000	1,500	N	N	N	70	50
8WD007M	35 0 38	80 52 33	5.00	.30	5.00	1.000	1,500	N	N	N	100	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-4--Continued						
8CE001M	N	N	N	50	200	15	>2,000	10	<50	<10	1,000
8CE002M	N	N	N	50	200	100	700	10	<50	10	70
8CE003M	N	N	N	15	200	10	700	10	<50	10	100
8CE004M	N	N	N	20	300	10	>2,000	10	N	<10	100
8CE005M	N	N	N	70	200	200	>2,000	N	70	<10	5,000
8CE007M	N	N	N	30	100	50	>2,000	N	50	<10	150
8CE008M	N	N	N	70	150	50	>2,000	N	<50	<10	150
8CE009M	N	N	N	30	100	30	1,500	N	N	20	200
8CE010M	N	N	N	30	150	30	1,000	N	N	10	50
8CE011M	N	N	N	30	200	20	>2,000	10	70	10	2,000
8CE012M	N	N	N	20	150	10	>2,000	N	N	<10	200
8CE013M	N	N	N	20	150	20	1,000	N	<50	20	200
8CF014M	N	N	N	<10	30	<10	1,000	N	N	<10	20
8CW001M	N	N	N	100	N	50	1,000	N	N	20	50
8CW003M	3	N	N	100	20	20	2,000	N	N	200	30
8CW005M	10	N	N	150	N	100	2,000	N	50	70	150
8CW006M	5	N	N	200	20	700	500	N	N	50	10,000
8CW007M	N	N	N	100	20	50	1,000	N	N	100	50
8CW008M	2	N	N	50	N	20	2,000	N	N	100	30
8CW009M	N	N	N	100	N	50	>2,000	N	N	50	50
8CW010M	N	N	N	500	N	100	2,000	N	50	70	50
8CW011M	N	N	N	50	N	30	1,000	N	N	100	30
8CW012M	N	N	N	300	20	100	1,500	N	N	30	50
8CW013M	N	N	N	150	70	30	2,000	N	70	50	50
8CW014M	N	N	N	50	20	50	1,500	N	N	30	50
8CW015M	2	N	N	1,000	50	300	500	N	50	100	50
8CW017M	N	N	N	100	50	150	1,000	N	70	30	1,000
8CW018M	N	N	N	100	500	100	1,000	N	100	50	10,000
8CW019M	N	N	N	10	20	20	200	N	N	20	50
8CW020M	N	N	N	150	N	100	>2,000	N	100	30	300
8CW021M	N	N	N	30	50	30	150	N	N	10	20
8CW022M	N	N	N	100	30	30	1,000	N	N	10	100
8CW023M	N	N	N	150	50	70	300	N	N	50	2,000
8WD001M	N	N	N	15	150	N	>2,000	<10	N	15	70
8WD002M	N	N	N	50	500	15	2,000	10	<50	150	50
8WD003M	N	N	N	50	300	20	>2,000	N	100	150	70
8WD004M	N	N	N	50	700	20	700	N	<50	200	20
8WD005M	N	N	N	50	300	20	>2,000	N	N	100	100
8WD006M	N	N	N	15	200	15	>2,000	N	N	20	100
8WD007M	N	N	N	20	200	50	>2,000	N	N	20	150

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-4--Continued					
8CE001M	N	150	N	2,000	700	N	700	N	>2,000	500
8CE002M	N	100	N	1,500	700	N	150	N	>2,000	N
8CE003M	N	100	N	2,000	700	N	150	N	700	N
8CE004M	N	200	N	2,000	1,000	N	300	N	>2,000	500
8CE005M	N	70	70	1,000	700	N	1,000	N	>2,000	700
8CE007M	N	100	N	1,000	1,000	N	300	N	>2,000	200
8CE008M	N	100	N	1,500	700	N	700	N	1,500	500
8CE009M	N	50	N	1,000	700	N	200	N	500	N
8CE010M	N	70	N	1,000	700	N	150	N	>2,000	N
8CE011M	N	70	N	1,000	700	N	500	N	1,500	500
8CE012M	N	50	N	2,000	500	N	300	N	>2,000	2,000
8CE013M	N	70	N	2,000	700	N	150	N	500	700
8CE014M	N	70	100	1,500	700	N	150	N	1,500	<200
8CW001M	N	70	N	1,000	700	N	150	N	>2,000	200
8CW003M	N	70	N	200	500	N	200	N	>2,000	700
8CW005M	N	50	N	500	1,000	N	200	N	>2,000	300
8CW006M	N	20	50	200	500	N	500	N	>2,000	200
8CW007M	N	50	N	700	700	N	100	N	>2,000	<200
8CW008M	N	50	30	200	500	N	200	N	>2,000	300
8CW009M	N	70	N	700	500	N	300	N	1,500	300
8CW010M	N	100	N	500	500	N	200	N	>2,000	300
8CW011M	N	50	N	700	300	N	200	N	>2,000	300
8CW012M	N	150	N	700	500	N	200	N	2,000	<200
8CW013M	N	100	N	1,500	500	N	300	N	1,500	200
8CW014M	N	50	N	1,000	500	N	200	N	1,500	200
8CW015M	N	70	N	1,000	700	N	150	N	1,500	<200
8CW017M	N	30	1,500	1,000	700	N	100	N	2,000	<200
8CW018M	N	30	30	1,000	500	N	150	<500	>2,000	200
8CW019M	N	100	N	1,000	500	N	50	N	1,500	<200
8CW020M	N	70	N	1,500	700	N	300	N	>2,000	500
8CW021M	N	150	N	1,000	500	N	50	N	1,000	N
8CW022M	N	70	N	1,000	700	N	100	N	1,500	<200
8CW023M	N	70	N	1,000	700	N	200	N	1,000	N
8WD001M	N	10	20	1,000	200	N	1,000	N	>2,000	1,000
8WD002M	N	10	<20	1,000	200	N	300	N	>2,000	500
8WD003M	N	10	N	1,000	200	N	500	N	>2,000	1,000
8WD004M	N	50	N	1,000	200	N	100	N	>2,000	300
8WD005M	N	10	N	1,000	100	N	1,000	N	>2,000	2,000
8WD006M	N	10	20	700	150	N	700	N	>2,000	1,000
8WD007M	N	10	200	700	150	N	2,000	N	>2,000	3,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-4--Continued							
8WD008M	35 1 27	80 50 6	5.00	1.00	1.00	>2.000	1,000	N	N	N	1,000	50
8WD009M	35 0 41	80 49 36	5.00	2.00	2.00	>2.000	1,500	N	N	N	700	70
8WD010M	35 2 10	80 45 54	.20	.05	.20	.500	150	N	N	N	150	<50
8WD011M	35 2 20	80 46 23	5.00	1.00	.70	>2.000	1,500	N	N	N	100	100
8WD012M	35 3 42	80 45 24	1.50	.20	.20	2.000	1,000	N	N	N	70	50
8WD013M	35 4 43	80 46 36	1.00	.20	.20	2.000	1,000	N	N	N	50	50
8WD014M	35 5 45	80 46 33	5.00	.30	3.00	2.000	1,000	N	N	N	100	50
8WD015M	35 6 58	80 46 54	3.00	.70	3.00	1.500	1,000	N	N	N	100	100
8WD016M	35 6 18	80 48 41	5.00	1.50	5.00	2.000	1,500	N	N	N	20	70
8WD017M	35 4 3	80 50 52	3.00	2.00	2.00	2.000	1,000	N	N	N	30	70
8WD018M	35 3 50	80 51 13	3.00	2.00	5.00	1.500	1,000	N	N	N	20	70
8WD019M	35 2 11	80 48 33	3.00	1.00	1.00	>2.000	1,000	N	N	N	150	70
8WD020M	35 1 53	80 49 9	3.00	1.50	1.00	>2.000	1,000	N	N	N	500	100
8WD021M	35 3 29	80 47 50	2.00	.30	.50	2.000	1,000	N	N	N	50	70
8WD022M	35 2 15	80 47 33	2.00	.30	.50	2.000	700	N	N	N	200	50
8WD023M	35 5 48	80 50 3	5.00	1.50	5.00	>2.000	1,000	N	N	N	150	50
					A-5							
8BE001M	35 8 1	81 6 9	15.00	1.50	10.00	1.000	2,000	N	N	N	50	50
8BE002M	35 9 11	81 6 55	15.00	1.50	10.00	>2.000	7,000	N	N	N	50	50
8BE003M	35 12 41	81 7 14	30.00	.70	7.00	>2.000	10,000	N	N	N	700	70
8BE004M	35 12 25	81 7 5	20.00	1.00	7.00	1.000	2,000	N	N	N	200	50
8BE005M	35 12 0	81 6 25	30.00	2.00	10.00	>2.000	10,000	N	N	N	30	70
8BE006M	35 13 55	81 5 55	20.00	.70	10.00	.700	2,000	N	N	N	200	N
8BE007M	35 14 34	81 5 35	30.00	1.00	10.00	1.500	5,000	N	N	N	200	50
8BE008M	35 14 39	81 3 21	20.00	1.00	15.00	.700	2,000	N	N	N	150	100
8BE009M	35 14 43	81 1 14	15.00	1.00	15.00	.700	2,000	N	N	N	100	150
8BE010M	35 12 56	81 0 57	30.00	1.00	10.00	.700	2,000	N	N	N	150	50
8BE011M	35 8 8	81 4 33	20.00	1.50	10.00	1.000	3,000	N	N	N	70	50
8BE012M	35 9 49	81 5 9	20.00	1.50	10.00	1.000	3,000	N	N	N	50	50
8BE013M	35 10 31	81 5 22	20.00	1.00	10.00	1.000	3,000	N	N	N	70	70
8BE014M	35 10 33	81 5 24	20.00	1.00	15.00	1.000	3,000	N	N	N	30	50
8BE015M	35 8 8	81 0 25	20.00	5.00	7.00	1.500	2,000	N	N	N	70	200
8CO001M	35 7 20	81 10 40	<.10	.05	.10	<.005	200	N	N	N	N	N
8CO002M	35 6 24	81 8 22	7.00	.50	5.00	.700	2,000	N	N	N	100	N
8CO003M	35 7 10	81 8 33	10.00	.30	1.50	1.000	5,000	N	N	N	150	N
8CO004M	35 3 9	81 8 55	7.00	.50	3.00	1.000	3,000	N	N	N	1,000	N
8CO005M	35 6 17	81 14 35	7.00	.70	2.00	1.500	3,000	N	N	N	700	N
8CO006M	35 6 8	81 15 0	10.00	.70	5.00	1.500	2,000	N	N	N	1,000	N
8CO007M	35 4 54	81 14 35	5.00	.50	1.50	1.000	3,000	N	N	N	1,000	N
8CO008M	35 3 40	81 13 25	10.00	.30	5.00	.700	2,000	N	N	N	300	N
8CO009M	35 3 35	81 13 23	10.00	.50	7.00	.700	2,000	N	N	N	700	N
8CO010M	35 1 50	81 14 30	5.00	.20	7.00	1.000	3,000	N	N	N	150	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-4--Continued						
8WD008M	N	N	N	20	200	20	2,000	<10	100	30	50
8WD009M	N	N	N	50	700	20	1,000	10	100	70	30
8WD010M	N	N	N	15	30	N	>2,000	N	N	N	50
8WD011M	2	N	N	20	100	<10	>2,000	N	150	20	150
8WD012M	2	N	N	20	100	<10	>2,000	N	100	N	150
8WD013M	2	N	N	20	100	30	>2,000	N	100	N	200
8WD014M	N	N	N	10	150	15	2,000	N	50	15	30
8WD015M	N	N	N	30	150	15	>2,000	N	N	20	70
8WD016M	N	N	N	30	200	15	500	N	50	70	20
8WD017M	N	N	N	30	200	15	>2,000	15	200	100	100
8WD018M	N	N	N	30	200	20	>2,000	N	200	70	150
8WD019M	2	N	N	20	200	10	2,000	N	50	20	20
8WD020M	3	N	N	30	300	15	>2,000	N	150	30	100
8WD021M	N	N	N	20	200	15	>2,000	N	100	N	70
8WD022M	N	N	N	15	100	10	>2,000	N	50	10	20
8WD023M	N	N	N	30	200	50	1,500	15	100	70	500
					A-5--Continued						
8BE001M	N	N	N	100	300	30	1,000	N	N	20	50
8BE002M	N	N	N	50	500	20	1,500	N	N	20	70
8BE003M	1	N	N	300	1,000	150	1,000	N	N	20	70
8BE004M	2	N	N	150	700	50	>2,000	N	N	50	100
8BE005M	N	N	N	200	1,000	50	2,000	N	N	50	70
8BE006M	2	N	N	30	3,000	20	>2,000	N	N	70	150
8BE007M	3	N	N	70	1,000	50	1,500	N	N	20	70
8BE008M	N	N	N	50	2,000	70	1,000	N	N	30	70
8BE009M	N	N	N	50	500	70	1,000	N	N	20	3,000
8BE010M	3	N	N	500	1,000	200	1,500	N	<50	50	70
8BE011M	N	N	N	70	500	50	1,000	N	N	30	50
8BE012M	N	N	N	30	2,000	20	1,000	N	N	20	50
8BE013M	N	N	N	30	200	20	1,000	N	N	20	50
8BE014M	N	N	N	20	100	20	300	N	N	20	30
8BE015M	3	N	N	50	500	20	2,000	N	70	100	50
8C0001M	N	N	N	20	20	<10	>2,000	N	1,000	<10	200
8C0002M	N	N	N	150	70	<10	>2,000	N	<50	<10	30
8C0003M	N	N	N	30	100	<10	>2,000	N	<50	<10	200
8C0004M	N	N	N	50	150	15	>2,000	N	50	<10	150
8C0005M	N	N	N	70	100	20	>2,000	N	300	<10	100
8C0006M	N	N	N	70	200	10	>2,000	N	200	<10	50
8C0007M	5	N	N	50	30	15	>2,000	N	300	<10	50
8C0008M	N	N	N	100	100	15	2,000	N	100	<10	30
8C0009M	N	N	N	100	150	15	>2,000	N	70	<10	100
8C0010M	N	N	N	10	50	<10	700	N	N	<10	30

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-4--Continued					
8WD008M	N	10	20	500	150	N	500	N	>2,000	1,500
8WD009M	N	50	N	700	200	N	150	N	>2,000	<200
8WD010M	N	10	N	N	20	N	1,000	N	>2,000	3,000
8WD011M	N	10	N	N	200	N	2,000	N	>2,000	5,000
8WD012M	N	10	N	200	200	N	5,000	N	>2,000	>5,000
8WD013M	N	10	N	200	150	N	3,000	N	>2,000	>5,000
8WD014M	N	30	N	700	150	N	200	N	>2,000	300
8WD015M	N	10	N	1,000	150	N	500	N	>2,000	1,500
8WD016M	N	30	N	1,500	200	N	200	N	>2,000	200
8WD017M	N	10	N	500	200	N	1,000	N	>2,000	2,000
8WD018M	N	10	20	700	150	N	1,000	N	>2,000	3,000
8WD019M	N	10	N	300	200	N	500	N	>2,000	1,000
8WD020M	N	10	70	200	200	N	700	N	>2,000	2,000
8WD021M	N	10	N	<200	150	N	700	N	>2,000	3,000
8WD022M	N	10	N	<200	100	N	500	N	>2,000	700
8WD023M	N	50	<20	700	150	N	500	N	>2,000	700
					A-5--Continued					
8BE001M	N	100	N	1,500	700	N	200	N	700	<200
8BE002M	N	100	N	2,000	700	N	200	N	700	N
8BE003M	N	70	N	1,000	700	N	200	N	500	N
8BE004M	N	70	50	2,000	500	N	1,000	1,000	500	500
8BE005M	N	100	N	1,500	700	N	500	N	500	<200
8BE006M	N	70	N	2,000	500	N	1,000	N	1,500	1,000
8BE007M	N	70	100	1,500	500	N	300	2,000	1,000	300
8BE008M	N	150	N	1,500	700	N	200	N	1,000	N
8BE009M	N	100	N	2,000	700	N	150	N	2,000	<200
8BE010M	N	150	N	2,000	1,000	N	300	700	1,500	200
8BE011M	N	200	N	2,000	700	N	200	N	2,000	<200
8BE012M	N	200	N	2,000	1,000	N	200	N	1,500	300
8BE013M	N	150	N	2,000	700	N	200	N	700	200
8BE014M	N	100	N	3,000	1,000	N	100	N	700	N
8BE015M	N	100	N	1,000	300	N	500	N	>2,000	300
8CO001M	N	N	N	N	N	N	1,000	N	500	>5,000
8CO002M	N	100	N	1,000	700	N	500	N	1,000	3,000
8CO003M	N	150	N	1,500	500	N	700	N	2,000	>5,000
8CO004M	N	100	N	1,500	500	N	700	N	2,000	>5,000
8CO005M	N	70	N	700	500	N	500	5,000	>2,000	>5,000
8CO006M	N	100	N	700	700	N	500	700	>2,000	3,000
8CO007M	N	20	N	500	500	N	500	2,000	1,500	>5,000
8CO008M	N	100	N	1,500	1,000	N	300	N	>2,000	500
8CO009M	N	100	N	2,000	700	N	500	N	>2,000	2,000
8CO010M	N	30	N	3,000	700	N	100	N	300	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Saaple	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-5--Continued							
8CO011M	35 1 25	81 13 25	7.00	.30	5.00	1.500	3,000	N	N	N	100	N
8CO012M	35 1 10	81 13 36	7.00	.20	7.00	1.500	3,000	N	N	N	300	N
8CO013M	35 1 14	81 12 11	7.00	1.00	7.00	.700	3,000	N	N	N	1,000	N
8CO014M	35 3 6	81 11 21	7.00	.70	5.00	.700	2,000	N	N	N	1,000	N
8CO015M	35 4 7	81 11 24	.50	.20	.50	.100	1,000	N	N	N	<20	N
8CO016M	35 4 38	81 12 38	1.50	.30	1.00	.150	1,500	N	N	N	<20	N
8CO017M	35 4 39	81 12 28	<.10	.15	.15	.050	300	N	N	N	N	N
8CO018M	35 3 44	81 12 30	10.00	1.00	5.00	1.000	5,000	N	N	N	700	N
8CO019M	35 1 2	81 9 29	10.00	.50	1.50	>2.000	3,000	N	N	N	5,000	N
8CO020M	35 0 31	81 8 42	10.00	1.50	3.00	2.000	5,000	N	N	N	1,000	N
8CO021M	35 5 34	81 12 30	.10	.30	.30	.100	500	N	N	N	N	N
8CO022M	35 4 29	81 10 45	2.00	.20	3.00	.150	2,000	N	N	N	500	N
8CO023M	35 4 56	81 10 20	5.00	.70	5.00	.200	3,000	N	N	N	20	N
8CO024M	35 3 49	81 9 19	7.00	.20	7.00	.700	3,000	N	N	N	500	N
8CO025M	35 3 8	81 11 5	7.00	.70	5.00	.700	3,000	N	N	N	500	N
8CO026M	35 0 44	81 12 58	7.00	.50	5.00	2.000	5,000	N	N	N	70	N
8CO027M	35 1 13	81 8 10	10.00	2.00	10.00	1.500	5,000	N	N	N	500	N
8CO028M	35 2 19	81 8 13	10.00	.30	2.00	>2.000	7,000	N	N	N	100	N
8CO029M	35 6 11	81 10 23	N	.15	.30	.020	200	N	N	N	<20	N
8CO030M	35 4 49	81 9 11	10.00	.20	7.00	.500	2,000	N	N	N	100	N
8CO031M	35 2 21	81 9 36	20.00	.15	.70	>2.000	>10,000	N	N	N	200	N
8CO032M	35 4 29	81 7 41	15.00	1.00	5.00	2.000	3,000	N	N	N	100	N
8CO033M	35 6 35	81 7 38	10.00	.70	5.00	1.000	3,000	N	N	N	150	N
8GS001M	35 14 26	81 14 39	20.00	.50	1.50	>2.000	3,000	N	N	N	300	N
8GS002M	35 12 56	81 14 39	5.00	.70	1.00	.700	5,000	N	N	N	1,500	N
8GS003M	35 11 25	81 14 18	7.00	.30	1.50	1.500	3,000	N	N	N	1,000	N
8GS004M	35 8 49	81 14 5	5.00	.30	5.00	1.000	1,000	N	N	N	150	N
8GS005M	35 8 17	81 13 57	5.00	1.50	7.00	>2.000	5,000	N	N	N	700	50
8GS006M	35 8 30	81 12 52	1.00	.30	.50	1.000	3,000	N	N	N	70	N
8GS007M	35 8 44	81 9 5	2.00	.50	7.00	1.500	5,000	N	N	N	150	N
8GS008M	35 13 34	81 12 52	1.00	.30	.70	1.500	1,500	N	N	N	200	N
8GS009M	35 13 43	81 14 23	15.00	.70	1.00	1.000	5,000	N	N	N	700	N
8GS010M	35 9 41	81 13 7	2.00	1.00	3.00	.700	1,500	N	N	N	700	N
8GS011M	35 7 45	81 12 21	5.00	.70	3.00	1.000	3,000	N	N	N	50	N
8GS012M	35 7 51	81 11 22	2.00	.15	.30	1.000	2,000	N	N	N	<20	N
8GS013M	35 14 33	81 13 6	5.00	.30	1.00	>2.000	3,000	N	N	N	500	N
8GS014M	35 12 17	81 11 45	7.00	3.00	1.50	>2.000	3,000	N	N	N	200	N
8GS015M	35 11 20	81 11 59	7.00	.50	.70	>2.000	2,000	N	N	N	500	N
8GS016M	35 11 20	81 12 3	15.00	1.50	2.00	>2.000	7,000	N	N	N	150	N
8GS017M	35 9 35	81 10 11	15.00	.70	7.00	1.000	5,000	N	N	N	2,000	N
8GS018M	35 10 19	81 11 36	20.00	.20	.70	>2.000	5,000	N	N	N	<20	N
8GS019M	35 14 12	81 10 25	10.00	.50	1.00	>2.000	3,000	N	N	N	50	50
8GS020M	35 14 22	81 10 27	15.00	.70	1.00	>2.000	5,000	N	N	N	200	150
8GS022M	35 13 49	81 8 1	2.00	.20	1.00	1.000	2,000	N	N	N	150	N
8GS022M	35 13 49	81 8 1	15.00	.50	1.00	>2.000	3,000	N	N	N	300	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-5--Continued						
8CO011M	N	N	N	20	70	<10	2,000	N	50	<10	30
8CO012M	<2	N	N	20	200	<10	1,500	N	N	<10	70
8CO013M	N	N	N	20	100	<10	>2,000	N	N	<10	70
8CO014M	N	N	N	20	100	10	2,000	N	N	<10	20
8CO015M	N	N	N	50	50	10	>2,000	N	100	<10	200
8CO016M	N	N	N	50	100	10	>2,000	N	200	<10	200
8CO017M	N	N	N	30	50	<10	>2,000	N	150	<10	150
8CO018M	2	N	N	100	200	10	>2,000	N	70	<10	30
8CO019M	N	N	N	100	1,000	15	>2,000	N	300	<10	150
8CO020M	N	N	N	100	150	15	>2,000	N	200	<10	70
8CO021M	N	N	N	30	100	<10	>2,000	N	N	<10	300
8CO022M	N	N	N	50	100	<10	>2,000	N	N	<10	200
8CO023M	N	N	N	70	100	10	>2,000	N	N	<10	200
8CO024M	N	N	N	20	70	<10	>2,000	N	200	<10	50
8CO025M	N	N	N	50	100	10	>2,000	N	150	<10	50
8CO026M	N	N	N	50	100	<10	100	N	N	<10	30
8CO027M	N	N	N	30	300	10	2,000	N	300	<10	70
8CO028M	N	N	N	50	70	<10	2,000	N	150	<10	20
8CO029M	N	N	N	50	50	15	>2,000	N	N	<10	300
8CO030M	N	N	N	50	50	<10	2,000	N	N	<10	20
8CO031M	N	N	N	50	100	10	>2,000	N	100	<10	70
8CO032M	N	N	N	70	500	30	>2,000	N	50	<10	70
8CO033M	N	N	N	30	100	<10	>2,000	N	N	<10	50
8GS001M	N	N	N	50	150	N	>2,000	N	N	<10	50
8GS002M	7	N	N	70	100	10	>2,000	N	N	<10	50
8GS003M	3	N	N	50	70	N	>2,000	N	N	<10	50
8GS004M	N	N	N	30	100	<10	>2,000	N	100	<10	30
8GS005M	N	N	N	50	200	15	>2,000	N	2,000	<10	300
8GS006M	N	N	N	50	200	100	>2,000	N	>2,000	<10	500
8GS007M	N	N	N	50	150	<10	>2,000	N	N	<10	700
8GS008M	2	N	N	50	50	70	>2,000	N	N	<10	200
8GS009M	5	N	N	50	50	N	2,000	N	N	<10	20
8GS010M	N	N	N	20	70	<10	>2,000	N	50	30	50
8GS011M	N	N	N	30	100	20	>2,000	N	N	<10	200
8GS012M	N	N	N	50	100	20	>2,000	N	N	<10	200
8GS013M	2	N	N	50	100	200	>2,000	N	N	<10	300
8GS014M	2	N	N	50	300	15	>2,000	N	500	<10	500
8GS015M	3	N	N	30	100	20	>2,000	N	2,000	<10	300
8GS016M	3	N	N	70	300	30	>2,000	N	200	<10	150
8GS017M	N	N	N	100	150	100	>2,000	N	200	<10	50
8GS018M	N	N	N	30	150	<10	>2,000	N	200	<10	70
8GS019M	5	N	N	70	200	15	>2,000	N	150	<10	200
8GS020M	3	N	N	50	150	70	>2,000	N	200	<10	700
8GS022M	N	N	N	50	100	100	>2,000	N	N	<10	300
8GS022M	7	N	N	300	500	20	>2,000	N	50	<10	200

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-5--Continued					
8CO011M	N	70	N	2,000	700	N	150	N	700	200
8CO012M	N	150	N	2,000	700	N	300	N	1,500	N
8CO013M	N	150	N	1,500	700	N	700	N	1,000	1,500
8CO014M	N	100	N	1,000	700	N	200	N	>2,000	200
8CO015M	N	>200	70	N	300	N	3,000	N	700	>5,000
8CO016M	N	>200	70	N	500	N	5,000	N	2,000	>5,000
8CO017M	N	>200	70	N	100	N	5,000	N	1,000	>5,000
8CO018M	N	100	N	1,000	700	N	500	1,500	2,000	1,000
8CO019M	N	150	20	1,000	700	N	3,000	N	>2,000	>5,000
8CO020M	N	150	200	700	700	N	1,000	N	1,000	1,500
8CO021M	N	200	100	N	200	N	3,000	N	700	>5,000
8CO022M	N	200	50	N	300	N	5,000	N	2,000	>5,000
8CO023M	N	200	30	N	500	N	5,000	N	1,000	>5,000
8CO024M	N	150	N	1,000	700	N	300	N	2,000	2,000
8CO025M	N	150	N	1,000	700	N	700	N	>2,000	1,500
8CO026M	N	70	N	1,500	500	N	100	N	500	N
8CO027M	N	200	N	2,000	700	N	500	N	2,000	200
8CO028M	N	50	N	500	500	N	200	N	1,000	300
8CO029M	N	200	N	200	50	N	5,000	N	100	>5,000
8CO030M	N	100	N	1,000	700	N	200	N	500	300
8CO031M	N	50	N	300	300	N	500	N	700	1,000
8CO032M	N	100	N	2,000	700	N	500	N	500	1,000
8CO033M	N	150	30	1,500	700	N	500	N	700	1,000
8GS001M	N	50	500	300	700	N	500	1,000	1,000	1,000
8GS002M	N	10	N	<200	300	N	700	5,000	700	3,000
8GS003M	N	20	N	300	500	N	700	2,000	1,000	2,000
8GS004M	N	50	N	500	300	N	700	500	1,500	2,000
8GS005M	N	150	30	3,000	500	N	3,000	2,000	>2,000	>5,000
8GS006M	N	10	70	<200	200	N	>5,000	N	1,500	>5,000
8GS007M	N	100	N	2,000	500	N	700	N	700	1,500
8GS008M	N	150	50	<200	300	N	5,000	N	1,000	>5,000
8GS009M	N	15	N	200	500	N	150	5,000	500	300
8GS010M	N	50	N	1,000	300	N	500	2,000	1,500	1,000
8GS011M	N	100	20	5,000	500	N	5,000	N	1,500	>5,000
8GS012M	N	10	70	<200	300	N	>5,000	N	1,500	>5,000
8GS013M	N	10	30	<200	500	N	3,000	N	2,000	>5,000
8GS014M	N	10	30	2,000	500	N	3,000	N	>2,000	>5,000
8GS015M	N	10	50	1,000	300	N	3,000	N	>2,000	>5,000
8GS016M	N	70	N	1,000	500	N	1,000	N	>2,000	>5,000
8GS017M	N	50	N	700	700	N	300	2,000	1,000	200
8GS018M	N	50	N	<200	700	N	700	2,000	700	1,000
8GS019M	N	100	N	2,000	500	N	1,000	N	>2,000	>5,000
8GS020M	N	N	150	2,000	500	N	1,500	N	2,000	>5,000
8CS022M	N	10	50	2,000	300	N	5,000	N	1,500	>5,000
8GS022M	N	10	N	1,500	500	N	1,500	N	1,500	>5,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-5--Continued							
8GS023M	35 12 35	81 8 0	15.00	.50	7.00	2.000	7,000	N	N	N	3,000	N
8GS024M	35 12 4	81 7 56	10.00	.15	10.00	2.000	5,000	N	N	N	700	N
8LY001M	35 0 55	81 7 26	15.00	2.00	7.00	2.000	5,000	N	N	N	1,000	100
8LY002M	35 0 59	81 7 25	10.00	.70	10.00	1.500	3,000	N	N	N	1,000	100
8LY003M	35 0 21	81 3 4	15.00	1.00	10.00	1.500	5,000	N	N	N	20	100
8LY004M	35 0 1	81 4 28	20.00	1.00	10.00	1.500	3,000	N	N	N	100	100
8LY005M	35 0 17	81 6 2	10.00	1.50	15.00	.700	2,000	N	N	N	100	200
8LY006M	35 1 50	81 6 17	10.00	2.00	15.00	1.000	3,000	N	N	N	500	150
8LY007M	35 1 52	81 6 15	10.00	3.00	10.00	2.000	3,000	N	N	N	300	100
8LY008M	35 3 52	81 7 30	10.00	.70	20.00	1.500	3,000	N	N	N	700	100
8LY009M	35 4 39	81 7 14	7.00	1.00	20.00	1.000	3,000	N	N	N	500	150
8LY010M	35 4 2	81 7 7	10.00	.70	15.00	2.000	2,000	N	N	N	1,000	150
8LY011M	35 4 26	81 5 37	10.00	2.00	15.00	2.000	2,000	N	N	N	1,500	200
8LY012M	35 4 52	81 5 45	15.00	1.50	10.00	>2.000	5,000	N	N	N	700	300
8LY013M	35 5 25	81 6 22	10.00	.70	15.00	1.500	3,000	N	N	N	500	150
8LY014M	35 7 21	81 3 36	20.00	1.00	7.00	>2.000	2,000	N	N	N	1,000	150
8LY015M	35 4 53	81 1 53	30.00	.50	2.00	.700	2,000	N	N	N	N	N
8LY016M	35 5 9	81 1 42	15.00	.70	10.00	1.500	3,000	N	N	N	100	<50
8LY017M	35 6 50	81 1 9	3.00	.50	2.00	>2.000	1,000	N	N	N	100	100
8LY018M	35 3 15	81 1 7	15.00	.15	10.00	2.000	2,000	N	N	N	20	N
					A-6							
8CO006M	35 6 8	81 15 0	10.00	.70	5.00	1.500	2,000	N	N	N	1,000	N
8FL001M	35 6 1	81 16 58	10.00	1.00	1.00	.700	5,000	N	N	N	2,000	N
8FL002M	35 6 34	81 15 54	10.00	1.00	.70	.500	7,000	N	N	N	1,000	N
8FL003M	35 6 46	81 15 42	7.00	.70	7.00	.700	2,000	N	N	N	1,500	N
8FL004M	35 7 6	81 15 14	15.00	.50	5.00	>2.000	3,000	N	N	N	20	N
8FL005M	35 5 22	81 16 12	7.00	.70	1.50	.500	5,000	N	N	N	1,500	N
8FL006M	35 4 5	81 15 10	20.00	.20	2.00	>2.000	>10,000	N	N	N	20	<50
8FL007M	35 4 7	81 15 14	20.00	.70	5.00	>2.000	>10,000	N	N	N	300	<50
8FL008M	35 1 28	81 15 59	10.00	.50	7.00	.300	2,000	N	N	N	300	<50
8FL009M	35 1 28	81 16 3	15.00	.20	5.00	>2.000	10,000	N	N	N	200	<50
8FL010M	35 0 22	81 16 50	10.00	2.00	10.00	.500	2,000	N	N	N	1,000	<50
8FL011M	35 0 17	81 17 3	10.00	1.50	10.00	.200	2,000	N	N	N	200	<50
8FL012M	35 0 44	81 18 29	10.00	1.00	7.00	>2.000	7,000	N	N	N	1,500	<50
8FL013M	35 2 49	81 17 29	20.00	<.05	.20	>2.000	>10,000	N	N	N	<20	N
8FL014M	35 3 6	81 17 28	10.00	.70	10.00	.300	1,500	N	N	N	200	N
8FL015M	35 4 47	81 18 0	30.00	.70	5.00	>2.000	5,000	N	N	N	1,500	N
8FL016M	35 3 0	81 17 54	15.00	.50	5.00	2.000	5,000	N	N	N	2,000	N
8FL017M	35 0 40	81 20 3	15.00	.50	5.00	>2.000	7,000	N	N	N	1,500	N
8FL018M	35 2 6	81 18 46	15.00	.70	7.00	>2.000	3,000	N	N	N	1,000	<50
8FL019M	35 2 38	81 19 41	20.00	.70	10.00	.500	3,000	N	N	N	2,000	<50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-5--Continued						
8GS023M	N	N	N	70	100	70	>2,000	N	200	<10	70
8GS024M	N	N	N	20	70	<10	>2,000	N	N	<10	50
8LY001M	N	N	N	100	700	30	2,000	N	200	30	100
8LY002M	N	N	N	15	500	10	>2,000	N	50	20	100
8LY003M	2	N	N	20	300	15	2,000	N	70	70	150
8LY004M	2	N	N	20	300	10	>2,000	N	100	50	150
8LY005M	N	N	N	20	300	10	1,500	N	<50	30	100
8LY006M	N	N	N	50	500	20	1,000	N	50	100	50
8LY007M	N	N	N	70	300	20	200	N	<50	100	30
8LY008M	N	N	N	15	500	10	1,000	N	<50	20	30
8LY009M	N	N	N	15	300	10	1,000	N	200	20	50
8LY010M	N	N	N	30	700	30	1,000	N	50	30	30
8LY011M	N	N	N	50	500	30	1,000	N	<50	100	30
8LY012M	N	N	N	100	2,000	100	300	N	70	30	50
8LY013M	N	30	N	20	300	15	1,000	N	50	20	70
8LY014M	2	N	N	200	1,000	100	1,500	N	50	100	50
8LY015M	N	N	N	50	200	10	500	N	N	30	50
8LY016M	2	N	N	20	200	10	>2,000	N	100	20	100
8LY017M	N	N	N	50	50	10	>2,000	N	N	20	100
8LY018M	N	N	N	N	100	<10	1,000	N	<50	<10	100
					A-6--Continued						
8CO006M	N	N	N	70	200	10	>2,000	N	200	<10	50
8FL001M	7	N	N	50	50	30	2,000	N	50	<10	30
8FL002M	10	N	N	30	50	30	500	N	100	<10	<20
8FL003M	N	N	N	30	30	<10	>2,000	N	100	<10	20
8FL004M	N	N	N	50	30	20	1,000	N	150	<10	20
8FL005M	7	N	N	30	15	<10	1,500	N	<50	<10	<20
8FL006M	N	N	N	50	15	20	200	N	300	<10	100
8FL007M	N	N	N	30	30	20	>2,000	N	100	<10	50
8FL008M	N	N	N	15	30	<10	2,000	N	200	<10	30
8FL009M	N	N	N	20	15	50	150	N	150	<10	100
8FL010M	N	N	N	70	70	20	1,000	N	70	70	30
8FL011M	N	N	N	50	100	10	1,500	N	50	50	20
8FL012M	N	N	N	50	30	30	1,500	N	150	20	50
8FL013M	N	N	N	20	<20	20	150	N	200	<10	50
8FL014M	N	N	N	10	50	N	500	N	<50	15	30
8FL015M	N	N	N	200	100	150	>2,000	N	<50	30	50
8FL016M	N	N	N	30	30	50	>2,000	N	<50	<10	50
8FL017M	N	N	N	50	30	70	500	N	500	<10	50
8FL018M	N	N	N	20	70	<10	500	N	<50	<10	30
8FL019M	N	N	N	150	100	100	>2,000	N	<50	30	30

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-5--Continued					
8GS023M	N	50	N	2,000	500	N	1,000	2,000	1,500	500
8GS024M	N	70	N	2,000	500	N	500	N	1,500	N
8LY001M	N	>200	N	1,000	500	N	500	N	700	500
8LY002M	N	>200	N	1,500	300	N	500	N	1,000	1,000
8LY003M	N	150	N	5,000	500	N	300	N	2,000	700
8LY004M	N	>200	N	3,000	500	N	300	N	>2,000	1,000
8LY005M	N	100	N	7,000	500	N	150	N	>2,000	<200
8LY006M	N	150	N	1,500	700	N	200	N	1,500	<200
8LY007M	N	100	N	1,500	500	N	500	N	2,000	N
8LY008M	N	200	20	1,500	300	N	200	N	1,500	200
8LY009M	N	200	N	1,500	300	N	200	N	2,000	500
8LY010M	N	100	20	1,500	500	N	200	N	1,500	300
8LY011M	N	100	N	1,500	500	N	200	N	2,000	300
8LY012M	N	70	100	1,000	300	N	150	N	1,500	<200
8LY013M	N	150	N	2,000	500	N	200	N	2,000	300
8LY014M	N	70	50	1,000	700	N	300	N	1,000	500
8LY015M	N	70	N	700	2,000	N	50	N	2,000	N
8LY016M	N	150	N	5,000	700	N	500	N	>2,000	>5,000
8LY017M	N	50	N	700	300	N	700	N	>2,000	2,000
8LY018M	N	150	N	3,000	700	N	150	N	>2,000	700
					A-6--Continued					
8CO006M	N	100	N	700	700	N	500	700	>2,000	3,000
8FL001M	N	10	N	<200	500	N	150	15,000	2,000	200
8FL002M	N	10	N	<200	500	N	100	7,000	1,000	<200
8FL003M	N	20	N	700	700	N	200	1,000	>2,000	500
8FL004M	N	15	N	700	700	N	200	N	700	300
8FL005M	N	10	N	200	300	N	150	10,000	1,000	200
8FL006M	N	30	N	200	200	N	100	700	1,000	200
8FL007M	N	50	N	500	300	N	300	N	2,000	500
8FL008M	N	30	N	1,500	500	N	150	N	>2,000	500
8FL009M	N	30	N	300	200	N	70	700	1,000	<200
8FL010M	N	30	30	1,000	500	N	100	N	1,000	200
8FL011M	N	50	N	1,500	700	N	300	N	700	300
8FL012M	N	30	N	700	500	N	200	N	1,000	700
8FL013M	N	20	N	N	200	N	20	2,000	300	<200
8FL014M	N	50	N	2,000	700	N	70	N	500	<200
8FL015M	N	30	N	300	700	N	500	1,500	2,000	300
8FL016M	N	30	20	500	500	N	100	500	1,500	500
8FL017M	N	30	N	500	300	N	700	<500	2,000	300
8FL018M	N	50	N	700	300	N	100	N	>2,000	200
8FL019M	N	50	20	700	500	N	200	500	>2,000	700

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
						A-6--Continued						
8FL020M	35 2 53	81 20 13	20.00	.70	10.00	.500	2,000	N	N	N	1,500	<50
8FL021M	35 2 54	81 20 8	20.00	1.00	15.00	.500	3,000	N	N	N	1,500	<50
8FL022M	35 2 8	81 20 41	10.00	1.00	7.00	.700	3,000	N	N	N	1,500	<50
8FL023M	35 1 58	81 20 45	15.00	1.00	15.00	.500	3,000	N	N	N	2,000	<50
8FL024M	35 4 3	81 19 56	10.00	.30	7.00	.700	2,000	2.0	N	N	1,500	N
8FL025M	35 4 26	81 18 47	15.00	1.00	3.00	>2.000	7,000	N	N	N	2,000	N
8FL026M	35 4 28	81 18 39	20.00	.70	3.00	.700	5,000	N	N	N	2,000	N
8FL027M	35 6 25	81 21 1	15.00	.70	3.00	>2.000	>10,000	20.0	N	N	1,500	50
8FL028M	35 6 11	81 20 50	20.00	.10	.15	>2.000	>10,000	N	N	N	20	<50
8FL029M	35 4 32	81 21 42	20.00	1.00	5.00	>2.000	10,000	N	N	N	1,000	50
8FL030M	35 4 4	81 22 17	30.00	1.00	2.00	>2.000	>10,000	N	N	N	100	70
8FL031M	35 6 23	81 22 11	10.00	.50	3.00	>2.000	7,000	N	N	N	3,000	50
8FL032M	35 6 42	81 22 0	30.00	.15	.50	>2.000	>10,000	N	N	N	700	70
8FL033M	35 6 42	81 22 4	15.00	.30	1.50	>2.000	2,000	N	N	N	2,000	150
8GR001M	35 11 21	81 22 58	10.00	1.00	.10	.700	2,000	N	N	N	1,000	<50
8GR002M	35 13 52	81 24 45	20.00	2.00	1.50	>2.000	>10,000	N	N	N	1,000	<50
8GR003M	35 13 44	81 23 24	10.00	3.00	1.50	1.000	1,500	N	N	N	1,000	<50
8GR004M	35 14 50	81 23 59	10.00	3.00	1.00	1.000	2,000	N	N	N	3,000	<50
8GR005M	35 14 0	81 25 52	20.00	2.00	1.00	>2.000	5,000	N	N	N	500	<50
8GR006M	35 13 45	81 25 48	1.00	.50	.20	1.500	1,500	N	2,000	N	300	<50
8GR007M	35 13 45	81 26 49	7.00	1.50	.50	2.000	2,000	N	N	N	700	<50
8GR008M	35 13 20	81 27 22	7.00	.70	.15	1.500	3,000	N	N	N	300	<50
8GR009M	35 12 8	81 26 7	10.00	.70	.15	.700	3,000	N	N	N	700	<50
8GR011M	35 11 6	81 27 9	10.00	1.00	.10	1.000	3,000	N	N	N	500	<50
8GR014M	35 10 34	81 28 48	10.00	1.00	.20	1.500	2,000	N	<500	N	1,000	<50
8GR015M	35 9 58	81 24 53	10.00	1.00	.10	.700	3,000	N	N	N	1,000	<50
8GR016M	35 10 31	81 24 6	10.00	1.00	.10	.700	3,000	N	N	N	700	<50
8GR017M	35 10 7	81 23 6	10.00	1.50	1.50	1.000	2,000	N	N	N	1,000	<50
8GR018M	35 9 57	81 23 6	20.00	.50	.20	2.000	7,000	N	N	N	1,000	300
8GR019M	35 9 30	81 23 58	10.00	1.00	.10	.700	2,000	N	N	N	700	<50
8GR020M	35 9 1	81 24 37	10.00	1.00	.20	1.000	2,000	N	N	N	1,000	<50
8GR021M	35 8 40	81 26 41	10.00	1.00	.15	.700	1,500	N	N	N	700	<50
8KM001M	35 13 23	81 15 31	7.00	1.00	1.00	.200	3,000	N	N	N	700	N
8KM002M	35 12 5	81 15 17	3.00	.50	1.50	.200	2,000	N	N	N	300	N
8KM003M	35 10 15	81 15 28	7.00	1.00	1.00	.300	5,000	N	N	N	1,000	<50
8KM004M	35 8 50	81 15 59	10.00	1.00	.30	1.000	3,000	N	N	N	1,000	<50
8KM005M	35 13 57	81 18 30	10.00	1.00	.50	1.500	1,500	N	N	N	2,000	50
8KM006M	35 13 55	81 18 29	7.00	.70	.30	2.000	1,500	N	N	N	2,000	<50
8KM007M	35 14 38	81 16 41	10.00	1.00	1.50	.500	2,000	N	N	N	2,000	<50
8KM008M	35 14 14	81 17 23	7.00	.70	2.00	.500	3,000	N	N	N	1,000	N
8KM009M	35 13 21	81 18 13	7.00	.50	.30	>2.000	1,000	N	N	N	1,000	50
8KM010M	35 12 41	81 17 23	7.00	.70	.50	.500	2,000	N	N	N	1,000	N
8KM011M	35 10 55	81 16 28	10.00	1.00	.50	.500	3,000	N	N	N	500	N
8KM012M	35 10 57	81 17 14	7.00	1.50	.70	2.000	1,500	N	N	N	5,000	300
8KM013M	35 10 24	81 16 34	7.00	1.00	2.00	2.000	3,000	N	N	N	2,000	100

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-6--Continued						
8FL020M	N	N	N	200	100	150	150	N	N	50	20
8FL021M	N	N	N	70	50	150	200	N	N	30	30
8FL022M	N	N	N	70	70	30	200	N	N	20	20
8FL023M	N	N	N	100	70	50	1,000	N	<50	30	20
8FL024M	N	N	N	20	20	15	200	N	N	<10	20
8FL025M	N	N	N	70	30	70	70	N	N	<10	20
8FL026M	N	N	N	200	100	70	2,000	N	200	30	30
8FL027M	N	N	N	70	50	3,000	700	N	70	<10	50
8FL028M	N	N	N	100	30	100	300	N	70	<10	30
8FL029M	N	N	N	70	70	100	200	N	50	<10	50
8FL030M	N	N	N	100	70	100	500	N	70	<10	50
8FL031M	3	N	N	70	70	50	2,000	N	50	10	70
8FL032M	N	N	N	50	30	100	N	N	50	<10	30
8FL033M	7	N	N	150	100	100	2,000	N	50	<10	50
8GR001M	10	N	N	50	200	15	1,000	N	2,000	20	30
8GR002M	5	N	N	30	200	15	>2,000	N	1,500	100	200
8GR003M	10	N	N	50	300	10	>2,000	N	1,000	200	200
8GR004M	15	N	N	50	300	N	2,000	N	300	70	70
8GR005M	50	N	N	30	300	20	>2,000	N	700	100	200
8GR006M	15	N	N	30	300	20	>2,000	N	3,000	500	700
8GR007M	15	N	N	30	300	10	>2,000	N	1,000	200	500
8GR008M	20	N	N	30	200	70	>2,000	N	5,000	200	500
8GR009M	20	N	N	50	200	20	>2,000	N	2,000	100	300
8GR011M	10	N	N	50	200	20	2,000	N	3,000	30	70
8GR014M	30	N	N	50	200	70	>2,000	N	2,000	200	300
8GR015M	15	N	N	50	200	15	100	N	2,000	30	20
8GR016M	20	N	N	50	200	10	500	N	500	30	20
8GR017M	7	N	N	100	200	70	300	N	300	20	50
8GR018M	5	N	N	150	300	100	>2,000	10	70	100	100
8GR019M	20	N	N	50	200	<10	200	N	150	10	<20
8GR020M	30	N	N	50	200	<10	100	N	200	20	<20
8GR021M	15	N	N	50	200	15	150	N	150	100	20
8KM001M	3	N	N	30	30	<10	N	N	N	10	N
8KM002M	2	N	N	15	20	10	700	N	N	<10	<20
8KM003M	10	N	N	50	50	10	100	N	N	10	<20
8KM004M	3	N	N	50	100	30	>2,000	N	300	N	50
8KM005M	20	N	N	50	200	200	1,000	N	100	30	20
8KM006M	15	N	N	70	200	15	2,000	N	200	30	30
8KM007M	15	N	N	30	150	20	200	N	<50	15	20
8KM008M	2	N	N	30	50	200	150	N	N	10	20
8KM009M	2	N	N	70	700	100	1,500	N	200	30	20
8KM010M	5	N	N	50	70	20	200	N	N	15	<20
8KM011M	7	N	N	50	50	10	N	N	N	10	N
8KM012M	7	N	N	50	50	30	500	N	100	15	50
8KM013M	5	N	N	30	50	10	300	N	50	10	20

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-6--Continued					
8FL020M	N	50	N	1,000	700	N	50	N	300	200
8FL021M	N	50	N	1,500	700	N	70	N	>2,000	N
8FL022M	N	30	N	700	500	N	50	N	500	N
8FL023M	N	50	N	1,000	700	N	100	1,000	2,000	1,500
8FL024M	N	20	N	1,000	500	N	50	N	500	N
8FL025M	N	20	N	300	500	N	70	N	300	N
8FL026M	N	30	50	500	500	N	150	700	1,500	300
8FL027M	N	15	1,500	700	200	N	300	15,000	1,500	<200
8FL028M	N	10	20	N	200	N	70	700	2,000	N
8FL029M	N	20	N	700	300	N	200	N	1,000	N
8FL030M	N	20	N	700	200	N	100	1,000	1,500	N
8FL031M	N	20	N	1,000	300	N	500	10,000	1,500	200
8FL032M	N	10	N	200	200	N	150	3,000	1,500	N
8FL033M	N	20	N	1,000	200	N	200	20,000	1,500	300
8GR001M	N	10	1,500	N	200	N	200	2,000	300	N
8GR002M	N	200	500	N	150	N	5,000	1,000	1,000	>5,000
8GR003M	N	200	1,000	N	200	N	2,000	2,000	2,000	5,000
8GR004M	N	200	200	N	200	N	500	2,000	1,000	700
8GR005M	N	>200	700	N	150	N	5,000	1,500	>2,000	2,000
8GR006M	N	>200	150	N	100	N	>5,000	1,000	1,500	>5,000
8GR007M	N	>200	1,000	N	100	N	>5,000	1,000	>2,000	5,000
8GR008M	N	>200	1,500	N	100	N	>5,000	2,000	1,000	>5,000
8GR009M	N	>200	100	N	100	N	3,000	2,000	700	5,000
8GR011M	N	50	1,000	N	100	N	1,000	3,000	500	1,000
8GR014M	N	>200	70	N	200	N	5,000	2,000	1,000	>5,000
8GR015M	N	N	>2,000	N	200	N	50	2,000	300	N
8GR016M	N	N	700	N	200	N	150	2,000	200	N
8GR017M	N	N	>2,000	200	200	N	70	3,000	200	N
8GR018M	N	100	300	200	300	N	500	1,000	500	1,000
8GR019M	N	N	30	N	200	N	150	2,000	300	N
8GR020M	N	N	70	N	200	N	50	2,000	200	N
8GR021M	N	N	300	N	300	N	30	700	150	N
8KM001M	N	<10	70	<200	150	N	<20	10,000	200	N
8KM002M	N	<10	20	N	100	N	30	2,000	100	N
8KM003M	N	<10	20	N	200	N	20	10,000	150	N
8KM004M	N	70	30	N	200	N	500	10,000	200	2,000
8KM005M	N	<10	100	N	200	N	150	10,000	1,000	200
8KM006M	N	20	700	N	200	N	200	20,000	700	500
8KM007M	N	10	30	200	200	N	20	10,000	200	N
8KM008M	N	20	20	500	300	N	30	15,000	100	N
8KM009M	N	10	20	N	200	N	300	>20,000	700	300
8KM010M	N	N	N	N	200	N	20	>20,000	70	N
8KM011M	N	N	N	N	200	N	<20	10,000	150	N
8KM012M	N	15	20	<200	200	N	50	10,000	500	N
8KM013M	N	15	N	300	200	N	30	5,000	300	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-6--Continued							
8KM014M	35 9 8	81 16 52	10.00	1.00	2.00	1.500	3,000	N	N	N	700	<50
8KM015M	35 8 35	81 17 44	10.00	.30	7.00	1.500	1,500	N	N	N	1,000	50
8KM016M	35 10 45	81 18 17	10.00	1.50	.30	>2.000	1,000	N	N	N	5,000	300
8KM017M	35 9 44	81 19 0	10.00	1.00	2.00	>2.000	1,500	N	N	N	3,000	100
8KM018M	35 9 43	81 18 21	10.00	1.50	1.50	>2.000	1,500	N	N	N	5,000	70
8KM019M	35 8 29	81 20 46	7.00	.70	1.00	>2.000	1,000	N	N	N	3,000	200
8KM020M	35 8 7	81 21 23	7.00	.50	.50	>2.000	1,000	N	N	N	3,000	150
8KM021M	35 9 27	81 20 11	10.00	1.00	1.50	>2.000	1,500	N	N	N	3,000	200
8KM022M	35 9 29	81 20 16	5.00	1.00	.30	>2.000	500	N	N	N	3,000	200
8KM023M	35 12 19	81 20 25	20.00	1.50	2.00	>2.000	1,000	3.0	N	N	2,000	100
8KM024M	35 12 16	81 20 23	5.00	.70	.50	>2.000	1,000	N	N	N	3,000	100
8KM025M	35 12 8	81 20 25	10.00	.50	.20	>2.000	500	N	N	N	2,000	100
9GR022M	35 8 37	81 27 28	10.00	1.00	.10	.500	1,500	N	N	N	700	N
9GR025M	35 8 5	81 29 5	10.00	.70	.10	.500	1,500	N	N	N	700	N
9GR026M	35 8 1	81 27 30	10.00	1.00	.10	.500	1,000	N	N	N	700	N
9GR027M	35 11 20	81 29 23	2.00	.20	.30	1.000	2,000	N	N	N	300	N
9GR028M	35 12 1	81 28 48	7.00	.30	.20	2.000	2,000	N	N	N	1,000	<50
9GR029M	35 13 26	81 27 25	5.00	1.50	1.00	2.000	3,000	N	N	N	500	<50
9GR030M	35 14 37	81 27 32	5.00	1.50	1.50	1.000	3,000	N	N	N	200	50
9GR031M	35 14 44	81 29 21	.20	.20	.20	1.000	70	N	N	N	1,000	N
9GR032M	35 13 27	81 29 3	.70	.30	.20	1.000	100	N	N	N	2,000	N
9GR035M	35 13 31	81 24 8	7.00	.50	.20	1.000	5,000	N	N	N	500	<50
9GR036M	35 7 23	81 29 23	10.00	.70	.10	.500	1,000	N	N	N	700	N
9GR037M	35 9 10	81 26 9	15.00	.70	.10	.700	2,000	N	N	N	1,000	N
9GR038M	35 9 27	81 26 15	10.00	1.00	.20	.500	1,000	N	N	N	1,500	N
9GR039M	35 9 27	81 26 20	10.00	.70	.15	.300	1,000	N	N	N	700	N
9GR040M	35 8 52	81 25 2	10.00	1.00	.50	.700	1,500	N	N	N	2,000	N
9GR041M	35 8 52	81 25 5	10.00	1.00	<.10	.500	1,000	N	N	N	1,000	N
9GR042M	35 8 30	81 26 2	20.00	1.00	2.00	.700	3,000	N	N	N	100	100
					A-7							
OBN050M	35 13 54	81 37 48	1.50	.70	.30	.700	200	N	N	N	5,000	N
OBN050M	35 13 54	81 37 48	7.00	1.50	.30	1.000	200	N	N	N	>5,000	N
OBN051M	35 13 3	81 36 40	1.00	1.00	.30	.300	150	N	N	N	5,000	N
OBN051M	35 13 3	81 36 40	20.00	1.50	.15	1.000	200	<1.0	N	N	5,000	500
OBN052M	35 14 7	81 37 11	5.00	1.50	.20	1.000	200	N	N	N	>5,000	N
OBN053M	35 14 10	81 37 11	10.00	3.00	.30	1.500	200	N	N	N	>5,000	N
OBN054M	35 14 50	81 36 45	3.00	1.00	.20	1.000	150	N	N	N	>5,000	N
OBN054M	35 14 50	81 36 45	2.00	1.00	.30	1.000	200	N	N	N	5,000	N
OBN055M	35 14 44	81 36 54	1.50	.70	.20	.700	100	N	N	N	5,000	N
OBN055M	35 14 44	81 36 54	1.00	.50	.20	.500	100	N	N	N	5,000	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-6--Continued						
8KM014M	5	N	N	70	70	30	200	N	<50	10	<20
8KM015M	N	N	N	15	100	10	700	N	200	10	20
8KM016M	3	N	N	100	200	15	1,500	N	150	50	50
8KM017M	<2	N	N	70	200	20	500	N	100	30	70
8KM018M	N	N	N	50	150	20	300	N	50	15	30
8KM019M	5	N	N	100	200	20	1,000	N	100	30	70
8KM020M	3	N	N	150	200	15	700	N	100	70	30
8KM021M	3	N	N	50	100	50	500	20	200	20	70
8KM022M	3	N	N	150	300	20	1,500	N	100	70	30
8KM023M	5	N	N	150	200	1,000	700	N	70	100	200
8KM024M	7	N	N	30	150	20	>2,000	<10	100	20	100
8KM025M	2	N	N	70	300	30	2,000	N	100	50	50
9GR022M	20	N	N	50	150	10	N	N	<50	50	N
9GR025M	15	N	N	50	200	10	50	N	N	30	N
9GR026M	20	N	N	50	150	10	70	N	70	30	N
9GR027M	5	N	N	30	30	200	>2,000	N	200	20	500
9GR028M	10	N	N	20	100	70	>2,000	10	100	20	150
9GR029M	15	N	N	50	150	10	>2,000	N	200	20	300
9GR030M	5	N	N	30	100	20	>2,000	N	700	10	300
9GR031M	N	N	N	30	20	10	>2,000	N	70	<10	500
9GR032M	N	N	N	30	50	10	>2,000	N	70	20	500
9GR035M	20	N	N	30	200	15	>2,000	N	500	20	200
9GR036M	15	N	N	50	200	10	500	N	200	50	<20
9GR037M	15	N	N	50	300	15	2,000	N	200	50	30
9GR038M	10	N	N	30	200	15	150	N	500	30	30
9GR039M	10	N	N	70	200	15	<50	20	200	50	<20
9GR040M	15	N	N	70	200	20	300	N	200	50	N
9GR041M	10	N	N	50	150	10	N	N	50	50	N
9GR042M	7	N	N	500	500	200	200	N	70	100	30
					A-7--Continued						
OBN050M	3	N	N	50	100	<10	>2,000	N	150	50	500
OBN050M	7	N	N	30	200	N	>2,000	N	200	20	300
OBN051M	3	N	N	50	100	<10	>2,000	N	200	30	700
OBN051M	7	N	N	30	150	150	>2,000	N	100	30	200
OBN052M	7	N	N	50	200	N	>2,000	N	150	20	500
OBN053M	10	N	N	20	300	15	>2,000	10	150	30	100
OBN054M	5	N	N	30	150	N	>2,000	N	200	20	300
OBN054M	3	N	N	50	150	N	>2,000	N	150	20	700
OBN055M	<2	N	N	30	70	N	>2,000	N	200	20	500
OBN055M	2	N	N	50	70	N	>2,000	N	100	20	500

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-6--Continued					
8KM014M	N	10	N	200	200	N	30	7,000	150	N
8KM015M	N	50	N	500	300	N	70	15,000	700	N
8KM016M	N	20	N	200	200	N	200	20,000	700	500
8KM017M	N	30	50	1,000	200	N	700	20,000	500	<200
8KM018M	N	20	N	300	200	N	50	>20,000	300	N
8KM019M	N	15	20	700	150	N	150	20,000	700	200
8KM020M	N	10	N	300	150	N	100	>20,000	700	200
8KM021M	N	30	<20	500	200	N	150	10,000	1,000	200
8KM022M	N	20	<20	<200	150	N	1,000	>20,000	700	300
8KM023M	N	15	200	200	200	N	100	5,000	300	N
8KM024M	N	200	<20	200	200	N	700	15,000	1,000	3,000
8KM025M	N	30	50	<200	200	N	200	>20,000	500	500
9GR022M	N	50	1,000	N	200	N	20	500	1,000	N
9GR025M	N	50	70	N	200	N	<20	500	200	N
9GR026M	N	<10	700	N	150	N	20	500	>2,000	N
9GR027M	N	10	150	200	50	N	3,000	<500	1,500	>5,000
9GR028M	N	10	100	N	100	N	200	1,500	1,500	2,000
9GR029M	N	10	20	200	100	N	300	2,000	1,500	>5,000
9GR030M	N	10	2,000	<200	150	N	3,000	N	2,000	5,000
9GR031M	N	10	50	200	50	N	5,000	<500	1,000	>5,000
9GR032M	N	10	50	300	70	N	5,000	500	1,000	>5,000
9GR035M	N	10	150	N	100	N	5,000	5,000	1,500	2,000
9GR036M	N	50	70	N	200	N	50	500	200	N
9GR037M	N	150	100	N	200	N	500	1,500	2,000	500
9GR038M	N	50	150	N	200	N	20	500	200	N
9GR039M	N	50	50	N	200	N	20	<500	200	N
9GR040M	N	70	700	N	300	N	50	500	500	N
9GR041M	N	50	300	N	200	N	20	<500	200	N
9GR042M	N	200	50	200	700	N	70	<500	300	N
					A-7--Continued					
OBN050M	N	10	1,000	500	200	N	>5,000	700	1,500	>5,000
OBN050M	N	10	30	<200	300	N	5,000	700	1,000	>5,000
OBN051M	N	10	30	500	150	N	5,000	1,000	1,500	>5,000
OBN051M	N	10	20	N	200	N	3,000	N	1,000	5,000
OBN052M	N	10	1,500	<200	300	N	5,000	500	1,500	>5,000
OBN053M	N	10	30	N	500	100	2,000	N	500	1,500
OBN054M	N	10	30	300	500	N	3,000	500	1,500	>5,000
OBN054M	N	10	100	500	500	N	5,000	500	1,000	>5,000
OBN055M	N	10	50	500	500	N	5,000	700	1,000	>5,000
OBN055M	N	10	50	300	200	N	>5,000	700	1,000	>5,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
						A-7--Continued						
OBN056M	35 14 43	81 37 31	5.00	1.50	.15	2.000	500	N	N	N	>5,000	N
OBN057M	35 14 43	81 37 33	5.00	2.00	.30	1.500	300	N	N	N	>5,000	N
OBN058M	35 12 53	81 34 28	10.00	1.00	.20	1.000	500	N	N	N	700	N
OBN059M	35 11 0	81 35 48	10.00	1.00	.50	.700	1,000	N	N	N	500	N
OBN060M	35 11 1	81 35 5	7.00	1.00	.15	.700	500	N	N	N	150	N
OBN061M	35 11 30	81 34 28	7.00	1.00	.15	.500	700	N	N	N	200	N
OBN062M	35 12 8	81 32 30	7.00	1.00	.20	2.000	500	N	N	N	2,000	N
OBN062M	35 12 8	81 32 30	5.00	1.00	.20	>2.000	500	N	N	N	>2,000	N
OBN063M	35 11 32	81 33 30	10.00	1.00	.15	.700	500	N	N	N	500	N
OBN064M	35 10 16	81 31 1	7.00	1.00	.50	2.000	700	N	N	N	1,000	N
8BL001M	35 4 3	81 31 4	.10	.15	.10	>2.000	50	N	N	N	70	50
8BL002M	35 3 29	81 31 5	.50	1.00	.30	>2.000	100	N	N	N	2,000	70
8BL003M	35 3 42	81 32 4	.20	.15	.10	>2.000	100	N	N	N	500	150
8BL004M	35 4 17	81 32 51	1.50	2.00	.70	>2.000	150	N	N	20	3,000	200
8BL005M	35 4 41	81 33 20	.15	.10	<.10	>2.000	100	N	N	20	500	100
8BL006M	35 5 10	81 32 26	.10	1.00	.50	>2.000	100	N	N	N	1,500	50
8BL007M	35 5 29	81 32 0	1.50	5.00	2.00	>2.000	300	N	N	N	500	50
8BL008M	35 5 24	81 31 52	2.00	.70	.30	>2.000	50	N	N	N	1,000	<50
8BL009M	35 6 26	81 30 18	.70	.05	.50	>2.000	200	N	N	50	50	50
8BL010M	35 6 29	81 30 21	.70	.05	.20	>2.000	70	N	N	N	50	<50
8BL011M	35 5 57	81 30 37	1.50	.10	1.00	>2.000	200	N	N	N	150	200
8BL012M	35 6 36	81 33 24	.70	.05	.30	>2.000	200	N	N	50	50	50
8BL013M	35 5 29	81 34 9	.70	.70	.15	>2.000	50	N	N	N	700	<50
8BL014M	35 4 27	81 36 29	1.50	.15	<.10	>2.000	150	N	N	<20	200	50
8BL015M	35 0 1	81 31 45	1.00	.07	.15	>2.000	150	N	N	N	100	2,000
8BL016M	35 0 27	81 33 1	1.50	.05	.10	>2.000	100	N	N	N	200	300
8BL017M	35 0 26	81 33 12	.70	.10	.20	>2.000	300	N	N	N	100	50
8BL018M	35 1 9	81 35 14	10.00	.70	10.00	.700	3,000	N	N	N	1,500	100
8BL019M	35 4 8	81 34 8	10.00	1.00	.10	.700	3,000	N	N	N	700	<50
8BL020M	35 3 55	81 34 4	10.00	1.00	.50	1.000	3,000	N	N	N	1,500	<50
8BL021M	35 2 56	81 32 5	7.00	1.00	3.00	1.500	2,000	N	N	N	2,000	100
8BL022M	35 2 50	81 31 56	10.00	1.50	7.00	2.000	2,000	N	N	N	3,000	100
8BL023M	35 1 56	81 36 0	10.00	1.00	.20	.700	2,000	N	N	N	1,500	<50
8BL024M	35 0 53	81 36 33	10.00	1.00	.70	.700	2,000	N	N	N	1,000	<50
8BL025M	35 1 1	81 36 32	15.00	1.00	1.00	1.000	2,000	N	N	N	1,500	<50
8BL026M	35 1 1	81 36 36	15.00	1.00	.70	1.500	3,000	N	N	N	1,500	<50
8BL027M	35 0 49	81 37 28	15.00	1.00	1.00	1.000	3,000	N	N	N	1,000	200
8BL028M	35 1 27	81 37 18	15.00	1.00	.70	.700	3,000	N	N	N	5,000	N
8BL029M	35 3 33	81 36 45	15.00	1.00	.20	1.000	3,000	N	N	N	5,000	<50
9BN001M	35 9 59	81 30 18	10.00	2.00	1.00	1.000	2,000	1.0	N	N	2,000	200
9BN002M	35 9 38	81 30 17	5.00	1.00	1.00	2.000	1,500	N	500	N	2,000	150
9BN003M	35 9 7	81 30 35	7.00	1.50	7.00	2.000	1,000	N	N	N	5,000	100
9BN004M	35 10 36	81 30 1	10.00	1.00	.20	2.000	3,000	N	N	N	1,000	100
9BN005M	35 13 25	81 36 16	7.00	1.50	1.50	1.500	1,000	N	N	N	>5,000	N
9BN006M	35 14 0	81 34 59	.30	.70	.30	2.000	700	N	N	N	2,000	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-7--Continued						
OBN056M	20	N	N	30	200	10	>2,000	N	200	20	150
OBN057M	5	N	N	30	200	N	>2,000	N	100	20	300
OBN058M	15	N	N	50	200	10	>2,000	N	100	20	200
OBN059M	15	N	N	50	300	N	>2,000	N	N	15	150
OBN060M	15	N	N	50	200	N	>2,000	N	N	20	300
OBN061M	10	N	N	50	200	N	>2,000	N	N	20	200
OBN062M	10	N	N	50	150	N	>2,000	N	150	20	500
OBN062M	10	N	N	20	200	20	>2,000	N	200	20	300
OBN063M	20	N	N	50	300	N	>2,000	N	N	20	200
OBN064M	15	N	N	70	200	<10	>2,000	N	300	50	200
8BL001M	N	N	N	15	100	<10	N	N	50	<10	<20
8BL002M	500	N	N	20	300	20	<50	N	200	<10	200
8BL003M	50	N	N	15	300	<10	100	N	200	<10	20
8BL004M	150	N	N	100	500	300	50	N	500	<10	100
8BL005M	50	N	N	15	200	<10	N	N	70	<10	100
8BL006M	200	N	N	10	300	<10	50	N	150	<10	150
8BL007M	3	N	N	10	300	<10	70	N	300	<10	30
8BL008M	100	N	N	20	300	20	100	N	500	<10	200
8BL009M	100	N	N	10	100	<10	N	N	50	<10	20
8BL010M	N	N	N	N	100	<10	N	N	<50	<10	N
8BL011M	N	N	N	10	70	500	N	N	50	<10	150
8BL012M	N	N	N	10	200	20	N	N	100	<10	700
8BL013M	2	N	N	10	500	<10	50	N	200	<10	70
8BL014M	2	N	N	10	150	<10	N	N	150	<10	200
8BL015M	2	N	N	10	150	<10	N	N	150	<10	150
8BL016M	N	N	N	N	100	<10	N	N	50	<10	20
8BL017M	7	N	N	10	200	1,000	<50	N	100	<10	5,000
8BL018M	N	N	N	20	50	20	1,000	N	N	<10	50
8BL019M	20	N	N	50	200	N	200	N	N	50	N
8BL020M	50	N	N	100	200	<10	700	N	50	70	<20
8BL021M	7	N	N	50	70	10	700	N	50	20	30
8BL022M	10	N	N	70	150	15	1,000	N	50	30	50
8BL023M	50	N	N	70	150	<10	1,000	N	<50	50	30
8BL024M	15	N	N	70	150	<10	500	N	N	30	20
8BL025M	15	N	N	70	100	<10	300	N	<50	50	20
8BL026M	20	N	N	70	150	30	1,000	N	<50	50	<20
8BL027M	15	N	N	70	100	30	500	N	<50	50	<20
8BL028M	20	N	N	50	150	<10	1,500	N	50	50	30
8BL029M	20	N	N	70	200	<10	1,500	N	70	50	20
9BN001M	20	N	N	50	200	100	>2,000	N	700	70	100
9BN002M	15	20	N	50	150	10	>2,000	N	1,500	30	300
9BN003M	10	N	N	50	200	100	>2,000	N	3,000	50	300
9BN004M	15	N	N	50	200	70	>2,000	N	1,000	70	150
9BN005M	10	N	N	20	300	10	>2,000	N	100	N	100
9BN006M	N	N	N	20	100	15	>2,000	N	50	N	200

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-7--Continued					
OBN056M	N	10	20	N	200	N	3,000	700	500	5,000
OBN057M	N	10	50	N	300	N	5,000	500	700	>5,000
OBN058M	N	10	<20	N	300	N	3,000	500	700	>5,000
OBN059M	N	10	<20	N	200	N	3,000	2,000	500	5,000
OBN060M	N	10	<20	300	200	N	5,000	2,000	700	>5,000
OBN061M	N	10	<20	300	300	N	5,000	2,000	700	>5,000
OBN062M	N	10	20	500	300	N	5,000	2,000	1,000	>5,000
OBN062M	N	10	30	700	300	N	5,000	1,500	2,000	>5,000
OBN063M	N	10	N	500	300	N	3,000	3,000	700	>5,000
OBN064M	N	10	20	500	200	N	5,000	5,000	1,000	>5,000
8BL001M	N	30	>2,000	N	200	N	700	N	>2,000	N
8BL002M	N	30	1,000	N	200	<100	300	1,000	>2,000	N
8BL003M	N	20	>2,000	N	150	<100	300	700	>2,000	N
8BL004M	N	20	>2,000	N	300	<100	100	700	>2,000	N
8BL005M	N	20	500	N	200	N	300	N	>2,000	N
8BL006M	N	50	700	N	200	N	300	N	>2,000	N
8BL007M	N	30	500	N	200	100	200	N	>2,000	N
8BL008M	N	10	>2,000	N	300	100	100	N	>2,000	N
8BL009M	N	20	2,000	N	200	N	150	N	>2,000	N
8BL010M	N	<10	200	N	150	N	30	N	>2,000	N
8BL011M	N	20	300	N	150	N	200	N	>2,000	N
8BL012M	N	15	1,500	N	200	<100	150	N	>2,000	N
8BL013M	N	10	1,500	N	200	100	50	1,000	>2,000	N
8BL014M	N	20	100	N	200	<100	100	N	>2,000	N
8BL015M	N	20	100	<200	150	N	150	700	>2,000	N
8BL016M	N	10	<20	N	200	N	20	N	>2,000	N
8BL017M	N	20	>2,000	N	500	N	100	N	>2,000	<200
8BL018M	N	30	N	1,500	500	N	200	<500	100	200
8BL019M	N	N	N	N	200	N	20	1,000	200	N
8BL020M	N	<10	N	<200	300	N	100	2,000	500	<200
8BL021M	N	20	N	500	300	N	150	1,500	200	<200
8BL022M	N	30	200	700	500	N	150	2,000	500	<200
8BL023M	N	<10	N	N	300	N	70	1,500	300	200
8BL024M	N	<10	N	N	200	N	50	1,000	150	<200
8BL025M	N	<10	N	200	300	N	30	1,500	200	N
8BL026M	N	10	N	<200	500	N	70	2,000	300	<200
8BL027M	N	10	N	<200	300	N	70	1,000	200	N
8BL028M	N	10	N	<200	300	N	150	1,000	500	200
8BL029M	N	<10	N	<200	300	N	100	1,500	500	200
9BN001M	N	10	500	<200	150	N	500	2,000	2,000	2,000
9BN002M	N	10	500	N	150	N	2,000	500	>2,000	500
9BN003M	N	10	200	300	200	N	2,000	N	700	3,000
9BN004M	N	10	30	N	150	N	2,000	1,000	1,000	2,000
9BN005M	N	10	20	N	200	N	2,000	700	2,000	>5,000
9BN006M	N	10	50	N	100	N	3,000	700	2,000	>5,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					A-7--Continued							
9BN007M	35 7 57	81 35 19	7.00	1.50	7.00	1.000	1,000	N	N	N	500	150
9BN008M	35 9 1	81 32 26	7.00	1.00	2.00	1.000	1,500	N	N	N	500	100
9BN009M	35 9 31	81 32 11	5.00	.70	2.00	1.000	1,000	N	N	N	200	100
9BN010M	35 8 8	81 31 47	5.00	.50	2.00	2.000	1,000	N	N	N	1,000	150
9BN011M	35 7 47	81 32 10	7.00	2.00	3.00	1.500	1,000	N	N	N	1,000	1,500
9BN012M	35 12 52	81 33 45	.50	.15	<.10	.200	50	N	N	N	50	<50
9BN013M	35 12 56	81 33 47	.70	.30	.20	.300	200	N	N	N	500	50
9BN014M	35 13 59	81 32 22	3.00	1.00	.20	1.000	200	N	N	N	5,000	70
9BN015M	35 14 15	81 32 23	1.50	.70	.20	1.000	200	N	N	N	5,000	70
9BN016M	35 14 1	81 34 59	2.00	1.00	.30	1.500	200	N	N	N	5,000	100
9BN018M	35 13 18	81 36 43	5.00	.70	.15	1.000	200	N	N	N	5,000	<50
9BN019M	35 13 18	81 36 46	3.00	.70	.50	1.000	500	N	N	N	2,000	<50
9BN021M	35 13 33	81 37 14	10.00	3.00	.30	1.000	300	N	N	N	>5,000	<50
9BS034M	35 7 7	81 35 52	5.00	.50	.20	.150	100	N	N	N	1,000	N
9GA012M	35 3 41	81 42 52	.70	.20	.15	>2.000	300	N	N	N	1,000	N
9GA013M	35 3 41	81 42 50	.15	.20	.20	.700	50	N	N	N	50	N
9GA014M	35 2 30	81 41 11	2.00	2.00	2.00	.700	700	N	N	N	1,000	N
9GA015M	35 4 59	81 40 3	.50	.50	.20	2.000	100	N	N	N	1,500	N
9GA016M	35 6 17	81 44 39	.30	.20	.20	2.000	100	N	N	N	500	N
9GA017M	35 7 29	81 40 42	.15	.30	.20	.700	30	N	N	N	20	N
9GA018M	35 7 0	81 38 37	.50	.20	.20	2.000	70	N	N	N	500	N
					A-8							
9CP023M	35 2 30	81 47 59	.20	.30	.20	.300	30	N	N	N	200	N
9CP024M	35 1 38	81 47 20	.30	.50	.20	.500	50	N	N	N	500	N
					B-1							
8A001M	35 28 59	80 1 19	15.00	2.00	1.50	2.000	2,000	N	N	N	100	300
8A002M	35 29 22	80 4 8	7.00	5.00	10.00	.200	1,500	N	N	N	30	50
8A003M	35 29 21	80 3 59	10.00	.50	2.00	.150	1,500	N	N	N	20	200
8A004M	35 29 2	80 3 33	5.00	.50	10.00	.200	1,000	N	N	N	20	50
8A005M	35 27 7	80 1 44	10.00	2.00	2.00	.300	1,000	N	N	N	70	300
8A006M	35 26 44	80 2 18	7.00	3.00	7.00	.700	1,500	N	N	N	30	150
8A008M	35 24 46	80 1 23	10.00	2.00	5.00	1.500	3,000	N	N	N	70	200
8A009M	35 23 36	80 0 53	5.00	2.00	7.00	1.000	1,500	N	N	N	20	100
8A010M	35 25 34	80 0 43	7.00	.20	7.00	2.000	2,000	10.0	N	N	30	70
8A011M	35 22 45	80 1 44	5.00	1.00	7.00	1.000	1,500	N	N	N	30	50
8A012M	35 21 35	80 2 19	5.00	2.00	7.00	1.000	1,500	N	N	N	30	70
8A013M	35 20 22	80 3 10	5.00	1.00	7.00	1.000	700	N	N	N	2,000	70
8A014M	35 18 28	80 0 45	5.00	7.00	10.00	1.000	1,000	N	N	N	200	50
8A015M	35 15 6	80 2 44	7.00	5.00	10.00	1.000	1,000	N	N	N	1,500	100
8A016M	35 16 49	80 1 20	7.00	5.00	7.00	2.000	2,000	N	N	N	50	70

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					A-7--Continued						
9BN007M	2	N	N	30	150	<10	>2,000	N	100	20	500
9BN008M	7	N	N	50	200	<10	>2,000	N	100	30	300
9BN009M	7	N	N	50	150	<10	>2,000	N	50	20	700
9BN010M	10	N	N	50	150	<10	>2,000	N	1,000	20	500
9BN011M	15	N	N	50	200	50	>2,000	N	1,000	50	70
9BN012M	N	N	N	10	20	<10	>2,000	N	N	<10	150
9BN013M	N	N	N	50	50	N	>2,000	N	N	20	700
9BN014M	N	N	N	30	100	N	>2,000	N	150	20	500
9BN015M	N	N	N	30	100	N	>2,000	N	150	50	700
9BN016M	2	N	N	30	100	N	>2,000	N	150	20	500
9BN018M	2	N	N	20	10	<10	>2,000	N	100	20	100
9BN019M	3	N	N	30	100	20	>2,000	N	N	20	500
9BN021M	7	N	50	30	200	30	>2,000	N	100	30	150
9BS034M	N	N	N	30	30	10	>2,000	N	N	N	500
9GA012M	2	N	N	30	70	10	>2,000	N	50	10	200
9GA013M	N	N	N	30	20	15	>2,000	N	N	10	300
9GA014M	20	N	N	30	100	15	>2,000	N	50	30	200
9GA015M	N	N	N	30	50	10	>2,000	N	50	10	300
9GA016M	N	N	N	30	70	10	>2,000	N	N	10	300
9GA017M	N	N	N	50	20	15	>2,000	N	N	20	300
9GA018M	N	N	N	30	50	15	>2,000	N	N	10	200
					A-8--Continued						
9CP023M	N	N	N	50	30	10	>2,000	N	N	N	500
9CP024M	N	N	N	50	70	10	>2,000	N	N	N	500
					B-1--Continued						
8A001M	3	N	N	20	7,000	70	200	N	<50	100	100
8A002M	N	N	N	20	2,000	10	<50	N	N	150	20
8A003M	3	N	N	20	700	20	50	N	N	50	50
8A004M	N	N	N	10	500	15	70	N	N	10	200
8A005M	5	N	N	30	2,000	50	150	N	N	100	100
8A006M	N	N	N	20	1,000	30	150	N	N	70	200
8A008M	5	N	N	30	1,000	70	150	N	50	70	150
8A009M	2	N	N	20	700	10	200	N	<50	50	70
8A010M	2	N	N	10	150	10	50	15	<50	15	100
8A011M	N	N	N	10	700	15	70	N	<50	30	50
8A012M	N	N	N	20	700	15	70	N	<50	50	50
8A013M	N	N	N	10	500	20	100	15	<50	10	50
8A014M	N	N	N	50	3,000	<10	<50	10	<50	200	20
8A015M	<2	N	N	30	5,000	50	500	N	<50	150	70
8A016M	<2	N	N	30	5,000	20	200	N	<50	200	100

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					A-7--Continued					
9BN007M	N	10	50	<200	200	N	3,000	500	1,500	5,000
9BN008M	N	10	30	<200	200	N	5,000	1,000	1,500	>5,000
9BN009M	N	10	50	<200	200	N	5,000	2,000	1,500	>5,000
9BN010M	N	10	150	<200	200	N	3,000	500	2,000	>5,000
9BN011M	N	10	150	200	200	N	500	3,000	500	1,500
9BN012M	N	10	N	<200	50	N	1,000	N	30	700
9BN013M	N	10	50	200	70	N	5,000	500	1,000	>5,000
9BN014M	N	10	50	200	200	N	5,000	500	700	>5,000
9BN015M	N	10	50	200	200	N	5,000	500	1,000	>5,000
9BN016M	N	10	50	200	200	N	5,000	700	700	>5,000
9BN018M	N	10	50	300	500	N	5,000	500	2,000	>5,000
9BN019M	N	10	50	200	300	N	5,000	500	1,500	>5,000
9BN021M	N	N	30	<200	500	N	3,000	N	1,000	3,000
9BS034M	N	10	20	300	50	N	5,000	N	1,000	>5,000
9GA012M	N	10	50	200	200	N	5,000	500	1,000	>5,000
9GA013M	N	10	50	200	50	N	5,000	<500	1,000	>5,000
9GA014M	N	10	20	<200	100	N	5,000	<500	1,000	>5,000
9GA015M	N	10	50	200	150	N	5,000	500	1,000	>5,000
9GA016M	N	10	50	200	150	N	5,000	500	1,500	>5,000
9GA017M	N	10	50	200	70	N	5,000	500	1,500	>5,000
9GA018M	N	10	50	200	100	N	5,000	500	1,000	>5,000
					A-8--Continued					
9CP023M	N	10	N	300	50	N	3,000	N	2,000	>5,000
9CP024M	N	10	N	300	100	N	5,000	N	>2,000	>5,000
					B-1--Continued					
8A001M	N	70	N	300	200	N	200	N	150	N
8A002M	N	150	N	300	500	N	70	N	30	N
8A003M	N	20	N	300	500	N	30	N	50	N
8A004M	N	70	30	1,000	700	N	100	N	100	N
8A005M	N	50	N	200	300	N	50	N	100	N
8A006M	N	100	N	700	700	N	150	N	70	N
8A008M	N	70	N	500	200	N	150	N	200	N
8A009M	N	70	N	700	200	N	150	N	300	N
8A010M	N	100	N	1,000	200	N	100	N	200	N
8A011M	N	70	70	700	500	N	70	N	200	N
8A012M	N	100	N	500	500	N	70	N	150	N
8A013M	N	100	N	700	500	N	70	N	200	N
8A014M	N	150	N	<200	500	N	30	N	100	N
8A015M	N	150	N	500	500	N	100	N	500	N
8A016M	N	100	N	500	300	N	200	N	1,000	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-1--Continued							
8A017M	35 17 43	80 3 36	10.00	3.00	5.00	>2.000	2,000	N	N	N	<20	100
8A018M	35 15 14	80 4 17	10.00	1.00	1.50	1.000	1,500	N	N	N	5,000	200
8A019M	35 19 36	80 3 20	7.00	1.50	10.00	.700	1,500	N	N	N	70	70
8A020M	35 27 48	80 13 21	10.00	3.00	10.00	.200	2,000	N	N	N	70	50
8A021M	35 28 29	80 14 31	15.00	5.00	7.00	1.000	1,500	N	N	N	1,000	200
8A022M	35 27 18	80 10 1	10.00	1.50	7.00	.500	1,500	N	N	N	100	70
8A023M	35 25 35	80 10 52	10.00	.70	7.00	.700	2,000	N	N	N	3,000	70
8A024M	35 25 23	80 8 58	10.00	1.50	7.00	.200	1,500	N	N	N	50	70
8A025M	35 24 38	80 11 53	10.00	5.00	7.00	.700	1,500	N	N	N	70	100
8A026M	35 25 16	80 14 0	7.00	7.00	10.00	.300	1,500	N	N	N	20	50
8A027M	35 23 20	80 7 17	20.00	.50	1.00	.500	2,000	N	N	N	50	700
8A028M	35 20 58	80 7 4	15.00	.50	7.00	.500	2,000	N	N	N	50	200
8A029M	35 20 21	80 5 58	10.00	1.00	10.00	.700	1,000	N	N	N	30	<50
8A030M	35 17 51	80 6 56	10.00	.70	10.00	.500	1,500	N	N	N	50	50
8A031M	35 15 53	80 7 12	10.00	2.00	7.00	>2.000	1,000	N	N	N	300	<50
8A032M	35 15 24	80 8 26	10.00	.50	7.00	>2.000	1,500	N	N	N	500	70
8A033M	35 19 11	80 9 20	7.00	2.00	10.00	.300	1,500	N	N	N	100	<50
8A034M	35 17 13	80 13 14	15.00	7.00	5.00	2.000	2,000	N	N	N	500	100
8LE012M	35 25 1	80 14 43	7.00	.70	.15	.700	2,000	N	N	N	500	N
8LE013M	35 25 7	80 12 36	10.00	1.00	.70	.700	2,000	N	N	N	300	N
					B-2							
8MP001M	35 15 3	80 21 47	20.00	2.00	1.00	>2.000	5,000	N	N	N	1,000	100
8MP002M	35 15 39	80 23 58	20.00	.50	.70	2.000	3,000	N	N	N	1,500	100
8MP003M	35 15 39	80 24 3	20.00	1.00	1.00	2.000	2,000	N	N	N	500	100
8MP004M	35 16 6	80 19 37	20.00	.50	.20	2.000	3,000	N	N	N	500	200
8MP005M	35 18 30	80 16 2	15.00	.50	.70	15.000	5,000	N	N	N	500	500
8MP006M	35 17 2	80 18 2	20.00	.70	.70	2.000	10,000	N	N	N	700	500
8MP007M	35 16 42	80 19 14	7.00	7.00	5.00	1.000	3,000	N	N	N	<20	50
8MP008M	35 17 33	80 21 23	10.00	1.50	.70	2.000	3,000	N	N	N	2,000	100
8MP009M	35 17 28	80 22 44	20.00	.15	.15	>2.000	1,500	N	N	N	1,000	200
8MP010M	35 17 29	80 25 32	10.00	3.00	2.00	2.000	3,000	N	N	N	500	100
8MP011M	35 17 49	80 26 12	7.00	2.00	1.00	>2.000	5,000	N	N	20	300	150
8MP012M	35 18 22	80 26 42	7.00	1.00	.50	>2.000	5,000	N	N	N	70	200
8MP013M	35 17 11	80 29 29	7.00	.70	5.00	1.000	3,000	N	N	30	20	100
8MP014M	35 19 17	80 29 16	10.00	.70	5.00	.700	3,000	N	N	N	20	70
8MP015M	35 19 5	80 28 39	15.00	.70	1.00	1.500	3,000	N	N	N	100	300
8MP016M	35 16 25	80 27 55	7.00	1.00	.50	>2.000	5,000	N	N	N	70	150
8MP018M	35 24 1	80 28 46	7.00	2.00	5.00	.700	3,000	N	N	N	<20	100
8MP019M	35 23 54	80 28 48	20.00	1.50	1.50	2.000	5,000	N	N	N	<20	100
8MP020M	35 23 14	80 26 16	7.00	2.00	5.00	.700	3,000	N	N	N	<20	70
8MP021M	35 22 30	80 27 33	7.00	.50	5.00	.700	5,000	N	N	N	<20	300

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-1--Continued						
8A017M	2	N	N	20	3,000	30	500	N	700	100	150
8A018M	7	N	N	30	1,500	70	700	N	<50	50	150
8A019M	N	N	N	15	700	50	100	10	<50	20	30
8A020M	N	N	N	20	1,500	15	<50	N	N	100	30
8A021M	2	N	N	50	2,000	20	300	N	<50	200	100
8A022M	<2	N	N	30	300	70	50	N	<50	30	50
8A023M	N	N	N	15	500	10	150	N	<50	20	70
8A024M	N	N	N	20	300	15	<50	N	<50	30	50
8A025M	N	N	N	30	2,000	20	200	N	<50	150	50
8A026M	N	N	N	30	3,000	15	50	10	N	200	30
8A027M	7	N	N	30	1,500	70	300	10	<50	30	150
8A028M	3	N	N	30	1,000	70	<50	N	N	30	50
8A029M	N	N	N	15	300	10	<50	N	N	20	30
8A030M	N	N	N	20	300	15	<50	10	N	20	30
8A031M	N	N	N	20	1,500	70	<50	N	<50	50	50
8A032M	N	N	N	20	700	50	100	N	<50	30	50
8A033M	N	N	N	20	1,500	<10	<50	N	N	100	30
8A034M	2	N	N	50	2,000	20	100	20	<50	200	100
8LE012M	15	N	N	50	200	N	50	N	<50	20	N
8LE013M	15	N	N	100	300	<10	1,000	N	<50	50	20
					B-2--Continued						
8MP001M	<2	N	N	30	5,000	200	500	50	100	150	200
8MP002M	2	N	N	20	3,000	150	1,000	N	50	50	300
8MP003M	3	N	N	70	1,500	150	500	N	70	70	150
8MP004M	5	N	N	50	500	100	300	N	100	50	100
8MP005M	5	N	N	50	300	150	700	N	<50	150	150
8MP006M	5	N	N	200	500	150	300	N	50	150	100
8MP007M	N	N	N	50	2,000	10	200	N	50	200	20
8MP008M	N	N	N	30	5,000	20	500	N	100	150	1,000
8MP009M	<2	N	N	15	2,000	30	500	N	100	20	500
8MP010M	N	N	N	50	5,000	30	700	N	500	300	70
8MP011M	<2	N	N	50	5,000	30	500	N	100	100	70
8MP012M	<2	N	N	30	5,000	50	500	N	300	100	200
8MP013M	<2	N	N	30	500	100	50	N	<50	20	50
8MP014M	<2	N	N	200	700	100	300	N	50	50	100
8MP015M	2	N	N	200	700	150	100	N	100	100	100
8MP016M	<2	N	N	30	3,000	100	700	N	100	70	70
8MP018M	<2	N	N	30	300	10	50	N	<50	100	70
8MP019M	<2	N	N	70	300	20	100	N	50	100	50
8MP020M	<2	N	N	30	300	20	200	N	50	20	70
8MP021M	<2	N	N	20	200	100	150	N	50	<10	70

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-1--Continued					
8A017M	N	100	N	500	300	N	1,500	1,500	1,500	N
8A018M	N	30	300	300	300	N	150	N	300	N
8A019M	N	100	N	700	500	N	50	N	70	N
8A020M	N	100	N	1,000	500	N	30	N	20	N
8A021M	N	150	N	200	500	N	100	N	150	N
8A022M	N	70	N	1,000	500	N	50	N	20	N
8A023M	N	70	N	1,000	500	N	200	N	30	N
8A024M	N	30	N	1,000	500	N	30	N	20	N
8A025M	N	100	N	500	500	N	70	N	30	N
8A026M	N	100	N	700	500	N	30	N	20	N
8A027M	N	50	N	200	500	N	50	N	100	N
8A028M	N	50	N	500	700	N	50	N	70	N
8A029M	N	70	N	500	700	N	70	N	50	N
8A030M	N	70	N	700	700	N	70	N	50	N
8A031M	N	70	N	500	700	N	50	N	150	N
8A032M	N	70	N	700	1,000	N	70	N	150	N
8A033M	N	70	N	500	700	N	50	N	30	N
8A034M	N	100	N	200	300	N	50	N	200	N
8LE012M	N	N	70	N	200	N	30	2,000	200	N
8LE013M	N	15	20	<200	300	N	150	2,000	200	200
					B-2--Continued					
8MP001M	N	100	100	<200	200	N	200	N	1,000	N
8MP002M	N	30	N	200	200	N	150	N	700	N
8MP003M	N	70	N	200	200	N	100	N	1,500	N
8MP004M	N	20	N	<200	200	N	100	N	100	N
8MP005M	N	50	50	200	200	N	200	N	200	N
8MP006M	N	50	N	200	150	N	50	N	100	N
8MP007M	N	150	20	N	300	N	100	N	200	N
8MP008M	N	150	N	500	200	N	1,000	500	2,000	N
8MP009M	N	50	N	<200	200	N	300	N	700	N
8MP010M	N	150	N	200	200	N	150	N	200	N
8MP011M	N	100	N	<200	150	N	300	N	700	N
8MP012M	N	70	100	<200	150	N	700	N	1,000	N
8MP013M	N	100	N	500	700	N	50	N	100	N
8MP014M	N	100	N	500	700	N	100	N	200	N
8MP015M	N	70	N	200	200	N	500	N	500	N
8MP016M	N	70	N	N	150	N	500	N	1,500	N
8MP018M	N	70	N	500	500	N	50	N	1,000	N
8MP019M	N	50	N	700	500	N	70	N	2,000	500
8MP020M	N	70	N	1,500	500	N	70	N	700	N
8MP021M	N	70	50	700	500	N	70	N	500	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
						B-2--Continued						
8MP022M	35 21 42	80 27 16	15.00	.50	1.50	>2.000	7,000	N	N	N	20	100
8MP023M	35 21 32	80 27 18	15.00	.70	1.50	>2.000	7,000	N	N	N	20	100
8MP024M	35 21 7	80 27 1	10.00	.50	2.00	1.500	3,000	N	N	N	50	N
8MP025M	35 21 10	80 28 49	10.00	1.00	2.00	2.000	5,000	N	N	N	30	N
8MP026M	35 21 9	80 28 55	15.00	.15	.50	>2.000	10,000	N	N	N	50	N
8MP027M	35 20 8	80 27 40	10.00	1.50	2.00	2.000	7,000	N	N	N	20	50
8MP028M	35 20 33	80 26 9	10.00	1.50	3.00	1.000	2,000	N	N	N	20	<50
8MP029M	35 19 35	80 26 51	15.00	1.00	1.50	1.500	3,000	N	N	N	50	200
8MP030M	35 21 18	80 25 36	15.00	1.50	1.50	1.000	5,000	N	N	N	50	500
8MP031M	35 21 52	80 25 13	15.00	.70	1.00	2.000	3,000	N	N	N	70	150
8MP032M	35 22 13	80 25 21	10.00	.70	3.00	.700	3,000	N	N	N	50	300
8MP033M	35 20 2	80 23 52	20.00	.50	.20	.700	3,000	N	N	N	100	200
8MP034M	35 19 14	80 23 3	7.00	.50	.50	>2.000	5,000	N	1,500	N	1,000	70
8MP035M	35 19 39	80 22 45	15.00	.70	.30	.700	2,000	N	N	N	100	300
8MP036M	35 21 1	80 22 43	15.00	.50	.20	1.000	2,000	N	N	N	100	300
8MP037M	35 21 7	80 22 44	20.00	.50	.20	.500	3,000	N	N	N	100	300
8MP038M	35 21 11	80 21 13	20.00	.50	.10	1.000	3,000	N	N	N	70	200
8MP039M	35 20 3	80 20 35	20.00	.20	.20	2.000	2,000	N	N	N	100	300
8MP040M	35 19 54	80 20 9	20.00	.20	1.00	2.000	1,000	N	N	N	100	150
8MP041M	35 20 3	80 18 41	20.00	1.50	1.00	1.500	1,000	N	N	N	200	100
8MP042M	35 21 13	80 17 12	15.00	3.00	2.00	.500	2,000	N	N	N	20	50
8MP043M	35 19 48	80 16 11	15.00	.50	2.00	.700	2,000	N	N	N	100	50
8MP044M	35 19 51	80 17 43	10.00	3.00	2.00	.700	2,000	N	N	N	100	N
8MP045M	35 15 39	80 27 56	7.00	1.50	.70	2.000	3,000	N	N	N	100	50
8MP101M	35 28 34	80 15 24	15.00	2.00	1.50	2.000	3,000	N	N	N	500	100
8MP102M	35 27 36	80 18 52	7.00	5.00	3.00	.500	2,000	N	N	N	<20	50
8MP103M	35 27 28	80 19 57	10.00	1.00	2.00	.500	3,000	N	N	N	30	200
8MP104M	35 28 16	80 21 14	20.00	.50	1.00	1.000	2,000	N	N	N	100	100
8MP105M	35 29 18	80 18 51	15.00	3.00	2.00	.700	5,000	N	N	N	30	200
8MP106M	35 28 13	80 20 40	15.00	3.00	3.00	1.000	5,000	N	N	N	20	150
8MP107M	35 26 36	80 21 38	20.00	.70	1.50	1.000	2,000	N	N	N	20	100
8MP108M	35 26 1	80 22 13	15.00	1.00	1.50	1.000	3,000	N	N	N	20	150
8MP109M	35 25 54	80 23 16	15.00	.50	1.50	.700	3,000	N	N	N	30	150
8MP110M	35 26 2	80 23 59	20.00	.50	1.50	1.500	2,000	N	N	N	20	70
8MP111M	35 26 58	80 23 48	20.00	.70	1.50	1.500	3,000	N	N	N	30	150
8MP112M	35 28 11	80 22 53	15.00	1.00	3.00	1.500	5,000	N	N	N	50	150
8MP113M	35 28 42	80 23 19	20.00	1.50	2.00	1.500	3,000	N	N	N	30	100
8MP114M	35 28 27	80 22 12	10.00	1.00	2.00	1.500	5,000	N	N	N	20	100
8MP115M	35 29 13	80 22 24	15.00	.50	2.00	1.000	3,000	N	N	N	50	70
8MP116M	35 29 55	80 22 50	15.00	.70	2.00	1.000	3,000	N	N	N	50	70
8MP118M	35 29 55	80 27 12	20.00	1.00	1.50	>2.000	7,000	N	N	N	20	50
8MP119M	35 26 25	80 26 14	15.00	1.00	2.00	2.000	5,000	N	N	N	20	150
8MP120M	35 26 44	80 25 38	20.00	.50	1.00	>2.000	10,000	N	N	N	20	70
8MP122M	35 27 27	80 28 36	10.00	2.00	2.00	1.500	2,000	N	N	N	<20	100
8MP123M	35 25 25	80 28 12	15.00	1.00	2.00	1.000	1,500	N	N	N	20	100

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-2--Continued						
8MP022M	<2	N	N	150	500	200	50	N	50	50	100
8MP023M	<2	N	N	100	200	150	50	N	50	<10	50
8MP024M	<2	N	N	150	300	50	300	N	70	70	50
8MP025M	<2	N	N	70	200	100	100	N	<50	30	30
8MP026M	<2	N	N	50	100	150	N	N	<50	10	20
8MP027M	<2	N	N	100	1,000	150	50	N	50	70	500
8MP028M	2	N	N	20	300	50	150	N	<50	50	20
8MP029M	3	N	N	30	500	100	50	N	50	70	150
8MP030M	5	N	N	50	300	100	50	N	50	100	50
8MP031M	5	N	N	30	500	150	50	N	50	70	70
8MP032M	2	N	N	30	3,000	70	50	N	50	70	30
8MP033M	5	N	N	70	200	100	200	N	<50	70	50
8MP034M	<2	N	N	20	5,000	30	1,000	N	500	70	300
8MP035M	7	N	N	150	200	150	200	10	150	70	70
8MP036M	7	N	N	50	200	100	150	<10	<50	70	70
8MP037M	7	N	N	70	300	100	100	<10	50	70	70
8MP038M	7	N	N	70	300	150	100	<10	50	150	100
8MP039M	5	N	N	20	300	150	150	N	100	20	100
8MP040M	5	N	N	30	500	150	200	N	100	20	200
8MP041M	3	N	N	30	2,000	150	300	N	50	150	30
8MP042M	2	N	N	70	700	70	<50	N	<50	150	30
8MP043M	3	N	N	70	500	100	70	N	<50	50	50
8MP044M	2	N	N	50	1,500	50	500	N	<50	100	30
8MP045M	2	N	N	50	7,000	50	500	N	100	150	500
8MP101M	<2	N	N	50	700	150	500	N	70	100	100
8MP102M	3	N	N	50	200	20	150	N	N	20	20
8MP103M	5	N	N	50	200	70	70	N	N	70	50
8MP104M	3	N	N	30	300	100	70	N	<50	30	50
8MP105M	7	200	N	100	700	300	200	N	<50	200	200
8MP106M	3	N	N	70	100	15	100	N	50	70	30
8MP107M	5	N	N	70	700	150	<50	N	<50	50	50
8MP108M	7	N	N	70	300	150	150	N	50	50	150
8MP109M	<2	N	N	50	300	70	<50	N	<50	70	50
8MP110M	<2	N	N	20	200	100	<50	N	<50	20	50
8MP111M	<2	N	N	20	300	150	<50	N	<50	15	30
8MP112M	<2	N	N	30	200	150	<50	N	<50	20	50
8MP113M	2	N	N	200	100	200	<50	N	<50	20	50
8MP114M	<2	N	N	500	20	100	150	N	50	30	100
8MP115M	<2	N	N	200	70	100	<50	N	<50	10	50
8MP116M	2	N	N	1,000	150	150	<50	N	<50	30	50
8MP118M	<2	N	N	200	70	100	<50	N	100	30	30
8MP119M	<2	N	N	300	150	100	<50	N	<50	50	30
8MP120M	<2	20	N	200	150	200	50	N	<50	20	30
8MP122M	<2	N	N	300	50	100	100	N	100	100	50
8MP123M	<2	N	N	2,000	150	100	200	N	100	70	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-2--Continued					
8MP022M	N	50	N	200	300	N	50	N	100	N
8MP023M	N	50	N	300	300	N	50	N	100	N
8MP024M	N	70	N	500	500	N	70	N	500	N
8MP025M	N	70	N	700	500	N	50	N	300	N
8MP026M	N	30	N	N	300	N	30	N	70	N
8MP027M	N	100	N	700	500	N	100	N	150	N
8MP028M	N	100	N	1,000	700	N	100	N	1,000	N
8MP029M	N	70	N	500	500	N	70	N	200	N
8MP030M	N	70	N	700	500	N	100	N	500	N
8MP031M	N	70	N	<200	300	N	100	N	300	N
8MP032M	N	100	N	700	1,000	N	70	N	50	N
8MP033M	N	20	N	N	500	N	50	N	200	N
8MP034M	N	150	N	<200	150	N	1,000	N	1,000	1,000
8MP035M	N	30	N	<200	200	N	70	N	300	N
8MP036M	N	20	N	<200	200	N	70	N	300	N
8MP037M	N	20	N	<200	300	N	30	N	150	N
8MP038M	N	20	N	<200	200	N	200	N	200	N
8MP039M	N	20	N	<200	200	N	150	N	500	N
8MP040M	N	50	N	300	300	N	150	N	700	N
8MP041M	N	50	N	<200	300	N	50	N	700	N
8MP042M	N	100	N	500	300	N	50	N	200	N
8MP043M	N	70	N	700	500	N	70	N	300	N
8MP044M	N	150	N	200	500	N	100	N	1,000	200
8MP045M	N	50	N	500	150	N	300	N	>2,000	<200
8MP101M	N	100	N	200	100	N	100	N	200	<200
8MP102M	N	100	20	N	150	N	50	N	70	N
8MP103M	N	50	N	300	200	N	50	N	70	N
8MP104M	N	30	N	200	200	N	30	N	150	N
8MP105M	N	100	N	N	150	N	70	N	100	N
8MP106M	N	70	N	700	150	N	70	N	150	N
8MP107M	N	50	N	200	500	N	50	N	100	N
8MP108M	N	50	N	500	300	N	50	N	700	N
8MP109M	N	50	N	300	500	N	50	N	100	N
8MP110M	N	70	N	700	500	N	50	N	100	N
8MP111M	N	50	N	700	500	N	30	N	300	N
8MP112M	N	50	N	700	300	N	30	N	70	N
8MP113M	N	50	N	700	300	N	50	N	100	N
8MP114M	N	100	N	500	300	N	50	N	200	N
8MP115M	N	50	N	1,000	500	N	30	N	200	N
8MP116M	N	50	N	700	500	N	30	N	100	N
8MP118M	N	50	N	1,000	200	N	30	N	300	N
8MP119M	N	50	N	700	300	N	30	N	50	N
8MP120M	N	30	N	300	200	N	30	N	150	N
8MP122M	N	50	N	2,000	200	N	50	N	500	N
8MP123M	N	50	N	1,000	300	N	50	N	300	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-2--Continued							
8MP124M	35 24 51	80 29 46	10.00	1.50	3.00	.700	1,500	N	N	N	20	100
8MP125M	35 24 35	80 27 44	10.00	1.50	3.00	.700	1,500	N	N	N	20	100
8MP126M	35 23 36	80 24 25	7.00	1.50	3.00	.500	1,000	N	N	N	20	70
8MP127M	35 23 0	80 23 0	15.00	1.00	.20	1.000	1,500	N	N	N	100	300
8MP128M	35 23 6	80 22 5	10.00	3.00	3.00	.700	1,500	N	N	N	30	150
8MP129M	35 24 37	80 20 7	20.00	.50	.20	.700	1,500	N	N	N	30	300
8MP130M	35 26 9	80 16 51	15.00	2.00	1.50	1.000	1,500	N	N	N	150	500
8MP131M	35 24 14	80 16 42	10.00	3.00	3.00	.500	2,000	N	N	N	50	70
8MP132M	35 23 9	80 15 43	15.00	.70	2.00	.700	1,500	N	N	N	500	200
8MP133M	35 23 1	80 15 18	15.00	.70	3.00	.500	1,500	N	N	N	50	150
8MP134M	35 22 55	80 19 24	20.00	1.00	1.50	1.500	1,500	N	500	N	1,500	300
8MP135M	35 29 54	80 21 43	10.00	.30	3.00	1.000	1,500	15.0	N	N	50	150
9MP050M	35 23 11	80 23 33	7.00	.50	3.00	2.000	1,500	N	N	N	1,000	100
9MP052M	35 19 38	80 25 39	10.00	1.00	2.00	>2.000	5,000	N	N	N	100	200
9MP053M	35 18 21	80 25 38	7.00	.50	.30	>2.000	5,000	N	N	N	500	200
9MP054M	35 18 16	80 25 38	10.00	2.00	1.50	2.000	2,000	N	N	N	300	300
9MP055M	35 15 44	80 27 24	15.00	1.00	1.50	1.500	1,500	N	N	N	700	100
9MP056M	35 17 32	80 24 0	5.00	.50	.30	>2.000	5,000	N	N	N	2,000	50
9MP057M	35 20 14	80 21 56	15.00	1.00	.50	1.500	2,000	N	N	N	100	200
9MP058M	35 17 30	80 21 24	15.00	15.00	1.00	2.000	1,000	N	N	N	1,500	100
9MP059M	35 16 4	80 16 4	10.00	5.00	5.00	1.000	2,000	N	N	N	150	50
9MP060M	35 15 48	80 17 31	15.00	.30	.15	1.000	2,000	N	N	N	70	200
9MP061M	35 21 38	80 21 31	15.00	.20	.15	1.500	1,500	N	N	N	50	200
9MP062M	35 21 43	80 21 21	10.00	5.00	5.00	.500	1,500	N	N	N	20	50
9MP063M	35 21 9	80 19 35	10.00	3.00	3.00	1.000	1,500	N	N	N	500	70
9MP064M	35 20 53	80 19 22	10.00	3.00	3.00	.500	1,500	N	N	N	500	70
9MP065M	35 18 7	80 18 32	30.00	.50	.15	.500	1,000	N	N	N	100	200
9MP066M	35 18 30	80 17 49	15.00	2.00	2.00	.700	1,500	N	N	N	1,000	200
9MP067M	35 18 21	80 16 25	10.00	3.00	5.00	.700	1,500	N	N	N	700	<50
9MP068M	35 19 48	80 16 51	10.00	5.00	5.00	.300	1,500	N	N	N	200	<50
9MP069M	35 24 35	80 15 31	10.00	3.00	5.00	.200	1,500	N	N	N	100	50
9MP070M	35 25 54	80 15 57	10.00	5.00	7.00	.200	1,500	N	N	N	150	50
9MP071M	35 26 5	80 19 30	10.00	5.00	7.00	.500	2,000	N	N	N	70	100
9MP072M	35 26 4	80 19 21	20.00	.50	.20	.500	1,000	N	N	N	100	200
9MP073M	35 24 21	80 22 43	15.00	.50	7.00	.700	1,000	N	N	N	70	50
					B-3							
0CC001M	35 22 15	80 30 15	.20	.10	.20	.100	20	N	N	N	500	N
0CC001M	35 22 15	80 30 15	.30	.10	.20	.150	30	N	N	N	500	N
0CC002M	35 22 14	80 30 14	3.00	.30	.20	.500	200	N	N	N	50	N
0CC003M	35 22 14	80 30 15	1.00	.20	.20	.300	100	N	N	N	70	N
8CC002M	35 15 30	80 35 37	7.00	1.00	7.00	2.000	1,500	N	N	N	<20	70

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-2--Continued						
8MP124M	<2	N	N	200	20	10	100	N	100	70	70
8MP125M	<2	N	N	200	30	20	200	N	<50	30	50
8MP126M	<2	N	N	300	150	30	100	N	<50	50	50
8MP127M	5	N	N	150	20	100	150	N	50	70	70
8MP128M	<2	N	N	700	30	20	70	N	<50	150	30
8MP129M	7	N	N	300	50	150	150	N	100	100	100
8MP130M	5	N	N	300	50	100	300	N	<50	150	70
8MP131M	2	N	N	500	20	50	50	N	<50	100	50
8MP132M	5	N	N	500	20	100	150	N	<50	50	100
8MP133M	2	N	N	300	20	150	50	N	<50	50	70
8MP134M	5	N	N	2,000	100	150	1,000	N	300	150	200
8MP135M	<2	N	N	200	15	3,000	500	N	50	10	1,000
9MP050M	2	N	N	20	200	200	1,000	N	50	20	700
9MP052M	3	N	N	30	300	70	1,500	N	50	30	100
9MP053M	7	N	N	50	100	100	1,000	N	200	30	150
9MP054M	3	N	N	70	300	70	200	N	50	150	50
9MP055M	10	N	N	20	3,000	70	1,000	N	N	100	100
9MP056M	5	N	N	50	700	100	2,000	N	200	30	150
9MP057M	10	N	N	50	200	100	300	N	<50	70	100
9MP058M	5	N	N	150	500	70	1,500	N	300	30	100
9MP059M	<2	N	N	50	1,000	20	500	N	N	200	30
9MP060M	7	N	N	20	300	500	500	N	<50	70	150
9MP061M	7	N	N	30	70	100	500	N	N	100	100
9MP062M	N	N	N	50	1,000	20	150	N	N	200	20
9MP063M	3	N	N	30	2,000	70	1,500	N	70	200	100
9MP064M	3	N	N	30	2,000	50	700	N	N	200	50
9MP055M	10	20	N	150	300	200	300	N	N	150	200
9MP066M	10	N	N	150	500	300	1,500	N	50	100	100
9MP067M	N	N	N	70	500	100	300	N	50	200	50
9MP068M	N	N	N	70	700	50	500	N	N	300	50
9MP069M	N	N	N	50	700	70	300	N	N	200	50
9MP070M	N	N	N	70	1,000	20	500	N	N	300	30
9MP071M	2	N	N	50	1,500	100	N	N	N	200	30
9MP072M	10	N	N	70	300	70	500	N	N	100	200
9MP073M	N	N	N	30	300	100	<50	N	100	50	50
					B-3--Continued						
0CC001M	N	N	N	30	20	10	>2,000	N	N	15	200
0CC001M	N	N	N	30	<20	10	>2,000	N	N	10	300
0CC002M	5	N	N	30	50	10	>2,000	N	N	20	300
0CC003M	3	N	N	30	30	10	>2,000	N	N	10	300
8CC002M	N	N	N	30	150	15	500	N	<50	<10	30

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-2--Continued					
8MP124M	N	50	N	3,000	200	N	50	N	500	<200
8MP125M	N	50	N	2,000	200	N	50	N	300	N
8MP126M	N	70	N	1,000	500	N	70	N	500	N
8MP127M	N	20	N	<200	150	N	150	N	200	N
8MP128M	N	100	N	300	300	N	70	N	70	N
8MP129M	N	20	N	<200	150	N	70	N	100	N
8MP130M	N	70	N	300	150	N	100	N	300	N
8MP131M	N	70	N	700	200	N	30	N	200	N
8MP132M	N	30	N	1,000	200	N	50	N	150	N
8MP133M	N	70	N	700	300	N	50	N	150	N
8MP134M	N	50	100	500	150	N	200	N	1,000	500
8MP135M	N	70	N	1,000	300	N	100	1,000	100	N
9MP050M	N	50	30	500	300	N	200	N	2,000	200
9MP052M	N	30	N	700	150	N	200	N	>2,000	<200
9MP053M	N	20	70	<200	150	N	500	500	700	200
9MP054M	N	30	N	<200	200	N	100	N	500	N
9MP055M	N	20	N	500	200	N	200	N	1,000	300
9MP056M	N	10	<20	<200	200	N	500	700	>2,000	1,500
9MP057M	N	15	N	<200	200	N	200	N	300	N
9MP058M	N	20	200	300	200	N	300	N	2,000	500
9MP059M	N	100	100	200	300	N	150	N	500	<200
9MP060M	N	15	N	<200	150	N	50	N	200	N
9MP061M	N	10	N	<200	100	N	150	N	300	N
9MP062M	N	100	N	<200	300	N	50	N	100	N
9MP063M	N	50	N	500	150	N	150	N	1,500	700
9MP064M	N	70	N	200	200	N	100	N	2,000	300
9MP065M	N	10	300	<200	200	N	50	N	300	N
9MP066M	N	50	20	200	200	N	200	N	2,000	700
9MP067M	N	70	20	300	200	N	70	N	500	N
9MP068M	N	100	20	300	200	N	100	N	700	N
9MP069M	N	70	20	700	200	N	50	N	100	N
9MP070M	N	100	N	200	200	N	70	N	150	N
9MP071M	N	100	50	200	300	N	30	N	100	N
9MP072M	N	15	N	200	150	N	70	N	150	N
9MP073M	N	50	N	700	500	N	50	N	150	N
					B-3--Continued					
0CC001M	N	10	30	200	20	N	3,000	N	300	>5,000
0CC001M	N	10	50	300	30	N	5,000	N	500	>5,000
0CC002M	N	10	30	200	50	N	5,000	N	300	>5,000
0CC003M	N	10	50	200	50	N	5,000	N	300	>5,000
8CC002M	N	50	N	1,500	500	N	70	N	1,500	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-3--Continued							
8CC004M	35 15 0	80 35 37	5.00	1.50	7.00	.700	2,000	N	N	N	<20	N
8CC005M	35 15 1	80 35 38	7.00	1.50	5.00	.700	2,000	N	N	N	20	50
8CC011M	35 22 15	80 33 55	3.00	2.00	3.00	2.000	1,500	N	N	N	50	200
8CC012M	35 21 47	80 34 25	7.00	3.00	3.00	1.500	2,000	N	N	N	<20	150
8CC013M	35 22 15	80 37 20	15.00	5.00	2.00	>2.000	5,000	N	N	N	<20	150
8CC014M	35 21 5	80 36 16	7.00	3.00	1.00	2.000	2,000	N	N	N	<20	200
8CC016M	35 16 16	80 33 45	10.00	.70	3.00	>2.000	5,000	N	N	N	<20	50
8CC019M	35 17 40	80 36 2	10.00	2.00	10.00	1.000	3,000	N	N	N	70	100
8CC024M	35 16 8	80 32 50	15.00	.70	10.00	1.500	1,500	N	N	N	30	100
8CC038M	35 16 17	80 31 26	7.00	2.00	5.00	.500	1,500	N	N	N	20	N
8CC042M	35 18 31	80 34 17	7.00	2.00	5.00	.500	1,500	N	N	N	20	500
8CC044M	35 20 53	80 32 56	7.00	1.50	5.00	.700	2,000	N	N	N	20	70
8CC046M	35 22 24	80 33 47	5.00	.50	5.00	1.000	1,500	N	N	N	20	300
8CC049M	35 22 25	80 30 14	5.00	1.50	5.00	1.500	1,000	N	N	N	30	150
8CN002M	35 24 52	80 37 0	7.00	1.50	7.00	.700	1,500	N	N	N	<20	70
8CN002M	35 24 52	80 37 0	7.00	3.00	1.00	1.500	1,500	N	N	N	70	100
8CN003M	35 26 27	80 35 31	7.00	1.50	2.00	1.000	1,500	N	N	N	70	50
8CN007M	35 23 30	80 32 11	10.00	1.50	10.00	2.000	2,000	N	N	N	50	150
8CN007M	35 23 30	80 32 11	10.00	2.00	5.00	.500	1,500	N	N	N	<20	50
8CN009M	35 25 8	80 31 59	7.00	2.00	10.00	1.000	1,500	N	N	N	<20	50
8CN009M	35 25 8	80 31 59	5.00	1.50	3.00	1.000	1,000	N	N	N	20	70
8CN010M	35 26 2	80 32 4	7.00	2.00	10.00	2.000	2,000	N	N	N	20	70
8CN010M	35 26 2	80 32 4	5.00	.50	3.00	1.000	1,500	N	N	N	<20	100
8CN012M	35 26 7	80 31 49	7.00	.50	5.00	1.000	1,500	N	N	N	20	100
8CN013M	35 25 59	80 32 12	7.00	.20	5.00	.700	2,000	N	N	N	<20	150
8CN016M	35 28 51	80 30 6	10.00	.30	5.00	.500	1,500	N	N	N	50	<50
8CN018M	35 29 35	80 31 26	10.00	.15	5.00	.700	2,000	N	N	N	20	<50
8CN019M	35 28 28	80 32 38	10.00	1.00	5.00	.700	2,000	N	N	N	20	50
8CN020M	35 27 27	80 31 49	10.00	.50	5.00	.300	1,500	N	N	N	<20	<50
8CN021M	35 27 27	80 31 43	10.00	.50	7.00	.200	2,000	N	N	N	<20	<50
8CN022M	35 27 36	80 32 16	10.00	.70	5.00	.700	2,000	N	N	N	<20	50
8CN023M	35 25 6	80 34 20	10.00	2.00	5.00	.700	2,000	N	N	N	30	<50
8CN024M	35 24 3	80 33 29	10.00	1.50	5.00	.500	2,000	N	N	N	50	50
8CN025M	35 25 35	80 33 58	10.00	1.00	5.00	1.000	1,500	N	N	N	20	50
8CN026M	35 26 38	80 33 41	10.00	.70	5.00	.500	2,000	N	N	N	<20	<50
8CN029M	35 28 53	80 34 45	10.00	1.50	5.00	1.500	1,500	N	N	N	<20	50
8CN030M	35 29 33	80 35 49	10.00	.10	.30	>2.000	2,000	N	N	N	30	<50
8CN031M	35 28 58	80 36 5	7.00	1.00	3.00	2.000	1,500	N	N	N	150	70
8CN032M	35 27 5	80 34 45	10.00	1.00	5.00	.700	1,500	N	N	N	<20	50
8HA001M	35 15 55	80 38 22	10.00	1.00	10.00	1.000	1,500	N	N	N	50	100
8HA001M	35 15 55	80 38 22	5.00	.50	5.00	2.000	2,000	N	N	N	50	<50
8HA002M	35 16 45	80 38 44	5.00	.50	10.00	>2.000	2,000	N	N	N	200	200
8HA003M	35 18 12	80 39 22	10.00	1.00	15.00	>2.000	2,000	N	N	N	70	150
8HA004M	35 17 40	80 44 39	10.00	1.00	15.00	>2.000	2,000	N	N	N	500	150
8HA005M	35 16 57	80 44 54	5.00	.50	10.00	2.000	1,500	N	N	N	150	150

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-3--Continued						
8CC004M	N	N	N	30	150	10	50	N	<50	20	20
8CC005M	N	N	N	50	300	15	50	N	<50	10	20
8CC011M	N	N	N	30	300	10	>2,000	N	<50	100	30
8CC012M	N	N	N	50	500	10	>2,000	N	<50	150	30
8CC013M	2	N	N	70	150	10	2,000	N	70	70	20
8CC014M	2	N	N	50	150	10	2,000	N	70	50	20
8CC016M	N	N	N	50	1,000	30	200	N	<50	<10	30
8CC019M	N	N	N	70	300	10	200	N	<50	50	20
8CC024M	N	N	N	50	150	50	150	N	<50	20	50
8CC038M	N	N	N	20	300	20	500	N	<50	70	20
8CC042M	N	N	N	50	200	20	200	N	<50	50	20
8CC044M	N	N	N	70	150	50	500	N	N	20	20
8CC046M	N	N	N	20	50	20	2,000	N	100	15	30
8CC049M	3	N	N	20	200	15	2,000	10	500	70	150
8CN002M	N	N	N	30	100	20	<50	30	<50	30	20
8CN002M	<2	N	N	50	100	15	>2,000	N	50	70	50
8CN003M	N	N	N	20	150	15	1,000	N	150	50	70
8CN007M	2	N	N	100	500	150	500	N	100	50	50
8CN007M	N	N	N	50	200	20	150	N	<50	70	50
8CN009M	2	N	N	70	300	20	200	N	300	70	30
8CN009M	3	N	N	30	100	15	2,000	N	200	70	100
8CN010M	2	N	N	70	300	20	200	10	70	100	50
8CN010M	3	N	N	15	100	15	1,000	N	150	20	70
8CN012M	5	N	N	20	100	15	1,500	N	300	20	70
8CN013M	2	N	N	<10	20	30	2,000	N	200	<10	150
8CN016M	N	N	N	30	100	15	300	N	100	10	20
8CN018M	N	N	N	20	150	15	500	N	200	10	20
8CN019M	N	N	N	100	200	50	500	N	300	20	30
8CN020M	N	N	N	15	100	10	300	N	<50	10	50
8CN021M	2	N	N	15	100	10	500	N	50	10	70
8CN022M	N	N	N	50	150	30	700	N	200	15	50
8CN023M	N	N	N	50	200	20	500	N	70	50	100
8CN024M	N	N	N	20	300	20	500	N	50	70	200
8CN025M	10	N	N	50	150	20	1,000	N	1,500	20	150
8CN026M	2	N	N	20	100	15	70	N	200	15	100
8CN029M	N	N	N	30	200	30	500	N	5,000	30	50
8CN030M	30	N	N	20	50	100	2,000	20	>5,000	10	2,000
8CN031M	5	N	N	30	100	50	1,000	N	1,000	20	500
8CN032M	N	N	N	50	150	30	500	N	300	20	50
8HA001M	N	N	N	70	500	30	1,000	N	N	50	30
8HA001M	N	N	N	70	150	20	>2,000	N	N	200	300
8HA002M	N	N	N	30	200	50	>2,000	N	N	50	500
8HA003M	N	N	N	50	1,000	50	1,000	N	50	30	30
8HA004M	N	N	N	70	300	50	>2,000	N	N	50	100
8HA005M	N	N	N	30	150	20	>2,000	N	N	70	200

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-3--Continued					
8CC004M	N	50	N	1,000	500	N	50	N	300	N
8CC005M	N	50	N	1,000	500	N	50	N	1,000	N
8CC011M	N	200	N	500	200	N	500	N	>2,000	200
8CC012M	N	30	N	1,000	300	N	300	N	>2,000	<200
8CC013M	N	20	N	200	200	N	200	N	>2,000	N
8CC014M	N	50	N	<200	300	N	500	N	>2,000	N
8CC016M	N	30	N	1,000	500	N	50	N	200	N
8CC019M	N	50	N	1,500	500	N	70	N	500	N
8CC024M	N	20	N	1,000	500	N	50	N	1,000	N
8CC038M	N	20	N	1,000	300	N	20	N	2,000	N
8CC042M	N	50	N	500	500	N	70	N	>2,000	N
8CC044M	N	30	N	700	300	N	50	N	>2,000	N
8CC046M	N	30	20	1,000	200	N	300	N	2,000	<200
8CC049M	N	20	20	1,500	200	N	500	N	>2,000	200
8CN002M	N	70	N	1,500	500	N	50	N	100	N
8CN002M	N	10	N	300	100	N	500	N	>2,000	500
8CN003M	N	50	200	1,000	300	N	100	N	>2,000	300
8CN007M	N	50	N	2,000	300	N	100	N	500	N
8CN007M	N	50	N	1,500	300	N	30	N	1,000	N
8CN009M	N	50	N	3,000	500	N	70	N	1,000	<200
8CN009M	N	30	N	2,000	150	<100	200	N	>2,000	1,000
8CN010M	N	50	N	5,000	500	N	70	N	300	N
8CN010M	N	50	N	2,000	200	N	150	N	2,000	2,000
8CN012M	N	30	N	2,000	200	<100	200	N	>2,000	3,000
8CN013M	N	70	N	2,000	150	N	150	N	1,500	500
8CN016M	N	70	N	1,000	500	N	200	N	700	N
8CN018M	N	50	N	1,500	300	N	100	N	700	300
8CN019M	N	50	N	1,000	500	N	70	N	300	N
8CN020M	N	70	N	2,000	500	N	50	N	700	200
8CN021M	N	70	N	2,000	500	N	70	N	500	200
8CN022M	N	50	N	1,500	300	N	100	N	700	300
8CN023M	N	100	N	1,000	300	N	100	N	2,000	N
8CN024M	N	100	N	1,000	500	N	70	N	1,500	N
8CN025M	N	50	30	1,500	300	N	150	<500	1,000	500
8CN026M	N	70	N	2,000	300	N	100	N	1,000	1,500
8CN029M	N	50	50	1,000	300	N	70	N	500	200
8CN030M	N	10	200	300	200	N	500	N	1,000	1,500
8CN031M	N	50	30	2,000	200	N	150	N	>2,000	700
8CN032M	N	50	N	2,000	300	N	70	N	1,500	200
8HA001M	N	50	N	1,500	500	N	150	N	>2,000	200
8HA001M	N	10	30	700	500	N	5,000	N	2,000	>5,000
8HA002M	N	70	70	1,500	300	N	3,000	N	>2,000	5,000
8HA003M	N	30	N	2,000	500	N	70	N	>2,000	<200
8HA004M	N	50	N	1,000	500	N	1,500	N	>2,000	1,000
8HA005M	N	70	N	1,000	300	N	5,000	N	>2,000	3,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-3--Continued							
8HA006M	35 16 59	80 44 57	10.00	1.00	15.00	.500	2,000	N	N	N	200	150
8HA007M	35 16 39	80 43 55	1.00	.30	1.00	.500	700	N	N	N	100	N
8HA008M	35 15 23	80 42 4	5.00	.70	7.00	.700	2,000	N	N	N	500	50
8HA009M	35 15 31	80 40 38	10.00	.50	15.00	>2.000	2,000	N	N	N	1,000	150
8HA010M	35 16 10	80 40 4	7.00	.50	10.00	>2.000	2,000	N	N	N	70	200
8HA011M	35 20 26	80 42 10	2.00	.70	2.00	2.000	2,000	N	N	N	200	100
8HA012M	35 20 12	80 42 39	10.00	1.00	15.00	2.000	2,000	N	N	N	100	200
8HA013M	35 21 44	80 42 58	10.00	1.50	10.00	2.000	2,000	N	N	N	100	200
8HA014M	35 21 2	80 44 31	7.00	.70	10.00	>2.000	1,500	N	N	N	200	150
8HA015M	35 21 44	80 42 59	10.00	.70	10.00	>2.000	1,500	N	N	N	300	300
8HA016M	35 20 2	80 43 13	15.00	.70	15.00	>2.000	2,000	1.5	N	N	300	300
8HA017M	35 19 15	80 43 28	10.00	1.00	15.00	2.000	2,000	N	N	N	200	150
8HA018M	35 17 17	80 43 21	10.00	.50	10.00	>2.000	1,500	N	N	N	200	200
8HA019M	35 17 7	80 42 2	10.00	.30	10.00	>2.000	2,000	N	N	N	100	150
8HA020M	35 15 3	80 41 23	7.00	.70	10.00	2.000	1,500	N	N	N	700	100
8HA021M	35 18 8	80 38 7	5.00	1.00	10.00	>2.000	1,500	N	N	N	50	150
8HA022M	35 18 38	80 38 51	7.00	1.00	10.00	>2.000	2,000	N	N	N	150	150
8HA023M	35 18 32	80 40 26	10.00	.70	10.00	2.000	1,500	N	N	N	200	150
8HA024M	35 19 36	80 41 59	15.00	3.00	15.00	>2.000	2,000	N	N	N	500	150
8HA025M	35 18 17	80 42 27	7.00	.50	7.00	2.000	2,000	N	N	N	200	100
8HA026M	35 19 46	80 40 52	5.00	.50	7.00	2.000	1,500	N	N	N	100	100
8HA027M	35 21 53	80 38 9	7.00	5.00	7.00	>2.000	2,000	N	N	N	50	100
8KA001M	35 25 36	80 38 19	2.00	.50	.70	>2.000	1,000	N	N	N	100	200
8KA002M	35 26 11	80 40 25	3.00	.50	2.00	>2.000	1,000	N	N	N	100	200
8KA003M	35 26 11	80 40 29	5.00	1.50	5.00	1.500	1,000	N	N	N	200	100
8KA004M	35 27 3	80 42 9	7.00	1.50	5.00	2.000	2,000	N	N	N	200	200
8KA005M	35 27 1	80 42 7	7.00	.50	3.00	2.000	2,000	N	N	N	200	200
8KA006M	35 28 33	80 42 4	5.00	1.00	5.00	>2.000	1,000	N	N	N	100	200
8KA007M	35 28 31	80 41 58	7.00	1.50	5.00	2.000	1,500	N	N	N	150	100
8KA008M	35 27 43	80 40 41	7.00	1.00	5.00	1.000	2,000	N	N	N	300	150
8KA009M	35 28 28	80 39 39	7.00	1.50	3.00	1.500	1,500	N	N	N	200	150
8KA010M	35 28 34	80 39 36	3.00	.50	3.00	>2.000	1,000	N	N	N	100	200
8KA011M	35 27 14	80 38 25	7.00	1.50	5.00	2.000	1,500	N	N	N	150	150
8KA012M	35 24 21	80 39 43	3.00	.70	.70	>2.000	1,000	N	N	N	70	500
8KA013M	35 25 9	80 40 17	7.00	1.50	3.00	2.000	1,500	N	N	N	100	150
8KA014M	35 23 0	80 42 23	5.00	1.00	.70	2.000	1,000	N	N	N	300	200
8KA015M	35 23 2	80 42 59	2.00	.30	.50	1.500	500	N	N	N	50	150
8KA016M	35 22 46	80 43 41	5.00	.70	3.00	>2.000	1,000	N	N	N	70	200
8KA017M	35 26 15	80 42 35	7.00	.20	5.00	1.000	1,500	N	N	N	100	200
8KA018M	35 25 40	80 44 26	2.00	.07	1.00	1.000	700	N	N	N	300	100
8KA019M	35 26 33	80 44 47	7.00	.15	5.00	1.500	1,500	N	N	N	20	150
8KA020M	35 26 45	80 38 1	7.00	2.00	5.00	1.000	1,500	N	N	N	30	150
8KA021M	35 28 2	80 43 49	5.00	1.00	7.00	2.000	700	N	N	N	150	150
8KA022M	35 28 46	80 43 46	5.00	2.00	1.00	2.000	1,000	N	N	N	500	100
8KA023M	35 29 24	80 42 55	7.00	2.00	2.00	2.000	1,000	N	N	N	100	200

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-3--Continued						
8HA006M	N	N	N	20	300	30	500	N	N	50	30
8HA007M	N	N	N	30	200	<10	>2,000	N	N	200	1,000
8HA008M	N	N	N	30	300	150	>2,000	N	N	100	500
8HA009M	N	N	N	20	200	20	>2,000	N	70	N	70
8HA010M	N	N	N	20	200	15	>2,000	10	100	N	100
8HA011M	N	N	N	20	150	<10	>2,000	N	N	70	100
8HA012M	N	N	N	50	300	30	>2,000	N	<50	30	70
8HA013M	N	N	N	50	300	50	>2,000	N	150	70	200
8HA014M	N	N	N	30	700	30	>2,000	N	<50	50	150
8HA015M	N	N	N	30	200	50	>2,000	N	<50	20	100
8HA016M	N	N	N	50	300	50	2,000	N	50	50	70
8HA017M	N	N	N	30	300	30	>2,000	N	N	50	100
8HA018M	N	N	N	50	300	50	>2,000	N	N	70	200
8HA019M	N	N	N	15	200	20	>2,000	N	<50	10	150
8HA020M	N	N	N	30	200	30	>2,000	N	N	50	200
8HA021M	N	N	N	20	150	20	2,000	N	50	20	100
8HA022M	N	N	N	50	200	30	>2,000	N	50	50	70
8HA023M	N	N	N	30	200	20	>2,000	N	50	50	70
8HA024M	N	N	N	30	500	200	>2,000	N	<50	100	100
8HA025M	N	N	N	20	200	70	>2,000	N	N	70	300
8HA026M	N	N	N	20	150	30	>2,000	N	<50	30	150
8HA027M	3	N	N	50	150	20	>2,000	N	50	70	100
8KA001M	3	N	N	20	50	10	>2,000	N	200	15	50
8KA002M	N	N	N	20	200	15	>2,000	15	150	20	70
8KA003M	N	N	N	20	300	15	>2,000	N	70	70	30
8KA004M	N	N	N	20	300	20	1,000	<10	70	70	100
8KA005M	N	N	N	15	100	15	300	<10	70	20	30
8KA006M	2	N	N	30	300	15	2,000	10	150	50	70
8KA007M	N	N	N	20	500	15	1,000	<10	100	70	30
8KA008M	N	N	N	20	200	15	1,500	<10	50	30	30
8KA009M	N	N	N	30	300	20	>2,000	N	150	70	50
8KA010M	5	N	N	20	150	15	>2,000	20	200	20	100
8KA011M	N	N	N	20	300	10	>2,000	N	100	100	50
8KA012M	N	N	N	20	50	<10	>2,000	N	150	10	50
8KA013M	N	N	N	50	200	15	2,000	N	50	50	30
8KA014M	N	N	N	30	50	15	>2,000	N	50	20	30
8KA015M	N	N	N	20	70	<10	>2,000	N	50	20	150
8KA016M	N	N	N	50	200	20	2,000	<10	50	20	30
8KA017M	<2	N	N	10	70	20	1,500	N	100	10	30
8KA018M	N	N	N	N	50	<10	1,000	N	200	10	N
8KA019M	N	N	N	<10	50	10	700	N	100	10	20
8KA020M	N	N	N	20	300	20	700	N	70	70	50
8KA021M	N	N	N	20	300	<10	>2,000	N	200	50	300
8KA022M	N	N	N	50	300	100	>2,000	N	300	100	150
8KA023M	2	N	N	20	300	20	2,000	N	150	50	70

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-3--Continued					
8HA006M	N	50	N	1,500	700	N	50	N	150	N
8HA007M	N	10	70	500	100	N	5,000	700	2,000	>5,000
8HA008M	N	10	50	1,000	200	N	5,000	500	2,000	>5,000
8HA009M	N	150	N	2,000	500	N	500	N	>2,000	300
8HA010M	N	100	20	2,000	300	N	500	N	>2,000	700
8HA011M	N	10	20	N	200	N	5,000	<500	>2,000	1,000
8HA012M	N	50	N	1,500	500	N	500	N	>2,000	300
8HA013M	N	70	N	1,500	500	N	1,500	N	>2,000	300
8HA014M	N	50	N	1,000	300	N	1,000	N	>2,000	500
8HA015M	N	50	N	1,000	500	N	500	N	>2,000	500
8HA016M	N	50	50	1,500	500	N	200	N	>2,000	200
8HA017M	N	100	20	200	500	N	500	N	>2,000	500
8HA018M	N	150	20	700	300	N	5,000	<500	>2,000	5,000
8HA019M	N	50	20	1,000	300	N	300	N	>2,000	500
8HA020M	N	70	20	1,000	500	N	3,000	N	>2,000	>5,000
8HA021M	N	20	100	1,500	300	N	150	N	2,000	300
8HA022M	N	50	<20	1,000	500	N	500	N	>2,000	700
8HA023M	N	30	N	1,000	700	N	300	N	>2,000	1,000
8HA024M	N	50	N	1,000	700	N	200	N	>2,000	500
8HA025M	N	100	20	2,000	500	N	3,000	N	2,000	5,000
8HA026M	N	70	20	700	300	N	2,000	N	>2,000	1,500
8HA027M	N	100	<20	500	300	N	1,500	N	>2,000	2,000
8KA001M	N	10	<20	200	150	N	1,000	N	>2,000	2,000
8KA002M	N	10	N	500	200	N	500	N	>2,000	1,000
8KA003M	N	10	N	500	200	N	300	N	>2,000	700
8KA004M	N	100	70	700	200	N	200	N	>2,000	700
8KA005M	N	100	N	700	200	N	200	N	>2,000	200
8KA006M	N	10	20	300	200	N	300	N	>2,000	2,000
8KA007M	N	70	70	500	200	N	300	N	>2,000	300
8KA008M	N	10	N	700	300	N	300	N	>2,000	1,000
8KA009M	N	10	50	500	200	N	500	N	>2,000	1,000
8KA010M	N	10	50	500	300	N	500	N	>2,000	3,000
8KA011M	N	10	N	700	200	N	300	N	>2,000	2,000
8KA012M	N	10	N	<200	100	N	1,000	N	>2,000	5,000
8KA013M	N	10	N	500	200	N	300	N	>2,000	1,000
8KA014M	N	10	N	<200	100	N	700	N	>2,000	2,000
8KA015M	N	10	30	<200	200	N	2,000	500	>2,000	>5,000
8KA016M	N	30	N	500	200	N	300	N	>2,000	300
8KA017M	N	10	N	700	300	N	300	N	>2,000	2,000
8KA018M	N	30	N	200	100	N	100	N	>2,000	500
8KA019M	N	100	N	700	200	N	500	N	>2,000	700
8KA020M	N	50	50	700	200	N	200	N	>2,000	N
8KA021M	N	10	20	300	150	N	3,000	<500	>2,000	>5,000
8KA022M	N	10	<20	300	200	N	1,000	N	>2,000	3,000
8KA023M	N	10	150	300	200	N	300	N	>2,000	1,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-3--Continued							
8KA024M	35 29 30	80 44 43	5.00	1.00	1.50	>2.000	1,000	N	N	N	200	150
8KA025M	35 22 44	80 39 17	5.00	3.00	1.00	1.500	1,000	N	N	N	50	300
8MP017M	35 22 24	80 30 11	10.00	1.50	5.00	1.000	3,000	N	N	<20	<20	70
					B-4							
8CU001M	35 24 9	80 52 8	5.00	1.00	7.00	.700	1,000	N	N	N	200	50
8CU002M	35 24 5	80 52 6	5.00	.50	5.00	.300	1,000	N	N	N	300	70
8CU003M	35 24 26	80 52 26	5.00	.30	3.00	.700	1,000	N	N	N	500	<50
8CU004M	35 28 37	80 52 23	5.00	.20	5.00	.070	1,500	N	N	N	500	<50
8CU005M	35 27 37	80 51 44	7.00	.30	7.00	.150	1,500	N	N	N	1,500	<50
8CU006M	35 25 29	80 45 57	7.00	.50	5.00	.200	2,000	N	N	N	100	50
8CU007M	35 25 51	80 46 48	7.00	.70	7.00	.300	2,000	N	N	N	100	50
8CU008M	35 25 17	80 47 54	5.00	.50	7.00	.300	1,500	N	N	N	300	<50
8CU009M	35 24 24	80 48 11	7.00	1.00	7.00	.300	1,500	N	N	N	300	50
8CU010M	35 24 22	80 48 12	7.00	.70	5.00	.500	1,500	N	N	N	150	50
8CU011M	35 24 14	80 47 7	3.00	.50	3.00	1.000	700	N	N	N	70	70
8CU012M	35 23 10	80 50 43	5.00	1.00	3.00	.700	1,000	N	N	N	300	70
8CU013M	35 24 37	80 45 17	3.00	1.50	1.50	1.000	1,000	N	N	N	100	50
8CU014M	35 26 48	80 48 35	7.00	.70	3.00	.200	2,000	N	N	N	500	50
8CU015M	35 26 52	80 48 34	5.00	.20	5.00	.200	2,000	N	N	N	200	50
8CU016M	35 25 43	80 48 51	7.00	.30	5.00	.300	2,000	N	N	N	500	50
8CU017M	35 25 3	80 48 44	7.00	1.00	5.00	.300	1,500	N	N	N	1,000	50
8CU018M	35 25 2	80 51 20	7.00	.50	5.00	1.000	1,500	N	N	N	1,000	<50
8CU019M	35 25 54	80 51 43	7.00	.15	5.00	.500	1,500	N	N	N	500	<50
8CU020M	35 27 10	80 51 59	7.00	.20	10.00	.200	2,000	N	N	N	700	<50
8CU021M	35 28 22	80 49 18	7.00	.30	7.00	.200	2,000	N	N	N	500	<50
8CU022M	35 28 30	80 47 31	7.00	1.50	7.00	1.000	2,000	N	N	N	70	<50
8CU023M	35 27 38	80 45 54	5.00	2.00	3.00	1.500	1,000	N	N	N	150	<50
8CU024M	35 28 34	80 49 0	5.00	.30	7.00	.200	1,500	N	N	N	500	<50
8DT001M	35 16 34	80 52 0	5.00	.50	5.00	.700	1,000	N	N	N	30	50
8DT002M	35 17 4	80 51 5	7.00	.50	7.00	1.500	1,500	N	N	N	200	50
8DT003M	35 17 25	80 51 58	7.00	.50	10.00	.500	1,500	N	N	N	20	70
8DT004M	35 19 10	80 51 52	7.00	.20	10.00	1.000	1,500	N	N	N	200	50
8DT005M	35 21 56	80 52 28	7.00	.70	7.00	.500	1,500	N	N	N	150	<50
8DT006M	35 19 5	80 51 8	7.00	.50	15.00	1.500	3,000	N	N	N	50	100
8DT007M	35 20 36	80 51 28	7.00	.15	5.00	1.000	1,000	N	N	N	30	<50
8DT008M	35 20 54	80 51 47	7.00	.30	7.00	1.000	2,000	N	N	N	20	50
8DT009M	35 21 58	80 51 5	5.00	.15	3.00	1.000	1,500	N	N	N	200	50
8DT010M	35 21 24	80 50 25	7.00	.20	10.00	>2.000	2,000	N	N	N	50	50
8DT011M	35 20 18	80 50 28	10.00	.30	7.00	2.000	2,000	N	N	N	70	50
8DT012M	35 20 4	80 50 39	10.00	.20	15.00	1.500	3,000	N	N	N	100	70
8DT013M	35 17 40	80 49 28	7.00	.10	7.00	.700	1,500	N	N	N	100	<50
8DT014M	35 17 6	80 48 43	7.00	.10	10.00	1.000	3,000	N	N	N	70	N
8DT015M	35 16 32	80 49 36	10.00	.30	10.00	1.500	3,000	N	N	N	150	<50
8DT017M	35 21 50	80 47 31	5.00	.50	7.00	1.500	1,500	N	N	N	50	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-3--Continued						
8KA024M	2	N	N	20	300	10	>2,000	15	300	50	150
8KA025M	N	N	N	30	100	15	>2,000	N	N	50	50
8MP017M	<2	N	N	20	500	15	500	N	100	50	100
					B-4--Continued						
8CU001M	N	N	N	15	70	15	>2,000	N	N	20	150
8CU002M	N	N	N	15	30	15	2,000	N	N	10	70
8CU003M	N	N	N	20	50	20	700	N	N	15	30
8CU004M	N	N	N	N	20	30	200	N	N	10	20
8CU005M	N	N	N	10	<20	15	200	N	N	<10	20
8CU006M	N	N	N	15	50	10	100	N	N	10	20
8CU007M	N	N	N	30	100	20	500	N	N	15	20
8CU008M	N	N	N	15	30	15	200	N	N	10	<20
8CU009M	N	N	N	20	70	15	1,000	N	N	20	20
8CU010M	N	N	N	15	70	10	2,000	N	N	15	30
8CU011M	N	N	N	20	50	15	>2,000	N	50	20	200
8CU012M	N	N	N	20	50	20	>2,000	N	N	20	200
8CU013M	N	N	N	30	100	15	>2,000	N	50	50	150
8CU014M	N	N	N	15	20	10	500	N	N	N	<20
8CU015M	N	N	N	10	20	20	500	N	N	N	<20
8CU016M	N	N	N	<10	20	15	150	N	N	N	<20
8CU017M	N	N	N	20	50	15	500	N	<50	20	<20
8CU018M	N	N	N	15	70	20	700	N	N	10	30
8CU019M	N	N	N	<10	20	10	700	N	N	N	20
8CU020M	N	N	N	<10	30	10	300	N	N	N	<20
8CU021M	N	N	N	10	20	10	150	N	N	<10	<20
8CU022M	N	N	N	15	150	10	300	N	50	30	20
8CU023M	N	N	N	50	150	15	>2,000	10	200	30	100
8CU024M	N	N	N	10	20	10	150	N	N	10	<20
8DT001M	N	N	N	30	200	50	>2,000	N	N	10	700
8DT002M	N	N	N	30	200	10	>2,000	N	50	10	50
8DT003M	N	N	N	30	200	15	1,000	N	N	10	30
8DT004M	N	N	N	20	100	10	500	N	N	<10	30
8DT005M	N	N	N	30	100	20	>2,000	N	N	<10	200
8DT006M	N	N	N	70	150	10	1,500	N	N	10	50
8DT007M	N	N	N	200	300	20	1,000	N	N	<10	20
8DT008M	N	N	N	20	150	N	2,000	N	N	<10	20
8DT009M	N	N	N	20	70	<10	2,000	N	N	<10	150
8DT010M	N	N	N	20	150	<10	700	N	50	<10	50
8DT011M	N	N	N	70	700	15	>2,000	N	<50	<10	100
8DT012M	N	N	N	50	100	10	>2,000	N	N	<10	70
8DT013M	N	N	N	10	50	<10	2,000	N	N	<10	30
8DT014M	N	N	N	100	100	20	>2,000	N	N	<10	50
8DT015M	N	N	N	100	200	20	>2,000	N	<50	10	100
8DT017M	N	N	N	20	200	<10	>2,000	N	N	10	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-3--Continued					
8KA024M	N	10	70	200	200	N	500	N	>2,000	3,000
8KA025M	N	10	N	200	100	N	500	N	>2,000	1,000
8MP017M	N	50	N	500	500	N	100	N	2,000	500
					B-4--Continued					
8CU001M	N	10	20	700	100	N	500	N	>2,000	2,000
8CU002M	N	20	30	700	100	N	200	N	>2,000	1,500
8CU003M	N	50	50	500	200	N	200	N	>2,000	700
8CU004M	N	70	N	500	200	N	100	N	>2,000	200
8CU005M	N	70	N	500	300	N	100	N	>2,000	N
8CU006M	N	50	N	500	300	N	70	N	700	N
8CU007M	N	50	N	500	300	N	70	N	1,500	<200
8CU008M	N	50	N	700	300	N	70	N	>2,000	<200
8CU009M	N	50	N	700	200	N	100	N	2,000	200
8CU010M	N	50	N	1,000	200	N	200	N	>2,000	500
8CU011M	N	10	20	500	200	N	700	N	>2,000	5,000
8CU012M	N	10	<20	1,000	200	N	700	N	>2,000	3,000
8CU013M	N	10	30	700	150	N	700	N	>2,000	3,000
8CU014M	N	70	<20	700	200	N	100	N	2,000	<200
8CU015M	N	50	N	700	200	N	100	N	>2,000	200
8CU016M	N	70	N	700	300	N	70	N	>2,000	N
8CU017M	N	30	N	700	200	N	100	N	>2,000	200
8CU018M	N	50	N	700	200	N	150	N	>2,000	500
8CU019M	N	70	N	500	200	N	150	N	>2,000	300
8CU020M	N	70	N	700	300	N	100	N	2,000	N
8CU021M	N	70	N	700	300	N	70	N	1,000	N
8CU022M	N	50	N	700	300	N	150	N	>2,000	N
8CU023M	N	10	<20	500	150	N	500	N	>2,000	2,000
8CU024M	N	70	N	700	300	N	70	N	700	N
8DT001M	N	50	20	1,000	500	N	700	N	1,000	700
8DT002M	N	70	N	2,000	500	N	200	N	1,500	700
8DT003M	N	70	N	1,500	700	N	150	N	700	N
8DT004M	N	50	N	1,500	700	N	100	N	2,000	N
8DT005M	N	70	N	1,000	500	N	500	N	>2,000	>5,000
8DT006M	N	70	N	2,000	700	N	100	N	>2,000	200
8DT007M	N	50	N	1,000	500	N	200	N	>2,000	N
8DT008M	N	100	N	2,000	500	N	150	N	>2,000	200
8DT009M	N	70	N	1,500	300	N	700	N	>2,000	5,000
8DT010M	N	70	N	2,000	700	N	150	N	1,000	<200
8DT011M	N	70	N	2,000	500	N	300	N	>2,000	500
8DT012M	N	100	N	3,000	700	N	300	N	>2,000	500
8DT013M	N	50	N	2,000	500	N	150	N	700	200
8DT014M	N	70	N	3,000	500	N	150	N	1,000	200
8DT015M	N	100	N	3,000	700	N	300	N	1,000	300
8DT017M	N	30	N	2,000	500	N	200	N	>2,000	300

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-4--Continued							
8DT018M	35 20 53	80 47 52	5.00	.15	5.00	2.000	1,000	N	N	N	100	<50
8DT019M	35 20 48	80 47 52	5.00	.15	5.00	2.000	1,000	N	N	N	150	50
8DT020M	35 20 35	80 47 3	5.00	.50	5.00	2.000	1,000	N	N	N	150	50
8DT021M	35 19 42	80 48 7	7.00	.15	5.00	1.000	1,000	N	N	N	100	<50
8DT022M	35 19 22	80 47 52	5.00	.15	5.00	1.000	1,000	N	N	N	150	<50
8DT023M	35 19 21	80 48 46	7.00	.50	7.00	1.000	1,000	N	N	N	100	<50
8DT024M	35 18 27	80 46 38	7.00	.20	7.00	.700	1,500	N	N	N	100	<50
8DT025M	35 18 26	80 46 37	7.00	.50	7.00	1.500	2,000	N	N	N	200	70
8DT026M	35 21 34	80 45 1	7.00	.20	7.00	.700	2,000	N	N	N	150	<50
8DT027M	35 21 14	80 45 30	7.00	.50	5.00	1.000	1,500	N	N	N	<20	<50
8DT028M	35 21 12	80 45 31	10.00	.30	5.00	1.500	1,500	N	N	N	20	50
8DT029M	35 19 38	80 46 34	10.00	.70	7.00	1.500	1,500	N	N	N	100	50
8DT030M	35 19 36	80 46 35	10.00	.50	5.00	1.000	2,000	N	N	N	100	50
8DT031M	35 19 9	80 47 29	7.00	.20	7.00	.700	1,000	N	N	N	70	<50
8DT032M	35 17 4	80 46 41	10.00	.15	5.00	2.000	1,500	N	N	N	200	50
8DT033M	35 18 46	80 45 48	10.00	.20	7.00	1.000	1,000	N	N	N	150	<50
8DT034M	35 18 39	80 45 40	10.00	.50	7.00	1.500	1,500	N	N	N	150	50
8LS001M	35 23 18	80 55 9	10.00	1.00	10.00	1.500	3,000	N	N	N	500	50
8LS001M	35 23 18	80 55 9	7.00	1.50	5.00	.700	1,500	N	N	N	500	N
8LS002M	35 23 4	80 54 28	10.00	1.00	7.00	1.000	1,500	N	N	N	2,000	<50
8LS002M	35 23 4	80 54 28	7.00	1.50	5.00	.700	1,500	N	N	N	1,000	<50
8LS003M	35 24 16	80 52 52	7.00	.10	7.00	.500	2,000	N	N	N	500	N
8LS003M	35 24 16	80 52 52	7.00	.20	5.00	.300	1,500	N	N	N	300	N
8LS005M	35 24 25	80 53 47	10.00	.20	10.00	.700	3,000	N	N	N	1,000	N
8LS005M	35 24 25	80 53 47	7.00	.50	5.00	.500	1,500	N	N	N	1,000	<50
8LS006M	35 24 7	80 55 4	7.00	.20	5.00	1.500	1,500	N	N	N	500	50
8LS006M	35 24 7	80 55 4	10.00	.50	5.00	1.000	1,500	N	N	N	500	70
8LS007M	35 23 38	80 55 46	10.00	1.50	5.00	.500	1,500	N	N	N	70	50
8LS008M	35 24 57	80 56 3	5.00	1.50	3.00	2.000	1,500	N	N	N	500	50
8LS009M	35 24 56	80 56 0	10.00	1.00	5.00	1.000	1,500	N	N	N	200	N
8LS010M	35 26 35	80 52 39	10.00	.20	5.00	.200	1,500	N	N	N	200	N
8LS011M	35 26 35	80 52 31	7.00	.20	5.00	.200	1,500	N	N	N	300	N
8LS013M	35 26 13	80 58 6	10.00	1.00	5.00	.500	2,000	N	N	N	300	N
8LS014M	35 25 30	80 57 58	10.00	1.00	5.00	.700	2,000	N	N	N	700	N
8MI002M	35 21 42	80 53 48	5.00	.70	7.00	.200	1,000	N	N	N	200	70
8MI003M	35 19 40	80 53 48	7.00	.50	7.00	.700	1,000	N	N	N	70	70
8MI004M	35 18 59	80 54 6	5.00	.20	7.00	.300	700	N	N	N	20	50
8MI005M	35 18 9	80 55 22	5.00	.30	5.00	1.000	1,000	N	N	N	20	50
8MI006M	35 17 42	80 54 35	5.00	.30	5.00	.500	1,000	N	N	N	100	150
8MI007M	35 19 16	80 58 38	3.00	.20	5.00	.100	700	N	N	N	20	50
8MI008M	35 17 45	80 56 21	7.00	1.00	5.00	.700	1,000	N	N	N	20	70
8MI009M	35 15 34	80 56 22	7.00	.50	5.00	.500	2,000	N	N	N	100	<50
8MI010M	35 15 29	80 59 19	15.00	.70	7.00	.700	3,000	N	N	N	200	50
8MI011M	35 17 59	80 57 20	10.00	.70	5.00	.700	2,000	N	N	N	150	50
8MI012M	35 17 50	80 58 4	7.00	.50	7.00	.200	1,500	N	N	N	200	<50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-4--Continued						
8DT018M	N	N	N	20	100	10	2,000	N	<50	10	20
8DT019M	N	N	N	70	150	10	>2,000	N	N	10	20
8DT020M	N	N	N	50	150	<10	2,000	N	N	10	30
8DT021M	N	N	N	50	150	10	>2,000	N	N	<10	70
8DT022M	N	N	N	30	100	<10	>2,000	N	N	<10	100
8DT023M	N	N	N	70	200	10	>2,000	N	N	15	100
8DT024M	N	N	N	100	100	10	>2,000	N	N	<10	50
8DT025M	N	N	N	70	150	10	>2,000	N	N	10	70
8DT026M	N	N	N	<10	100	30	>2,000	N	N	<10	500
8DT027M	N	N	N	10	200	<10	700	N	N	10	30
8DT028M	<2	N	N	20	1,000	<10	>2,000	N	50	10	50
8DT029M	N	N	N	50	300	10	1,000	N	N	10	30
8DT030M	N	N	N	70	200	20	>2,000	N	N	10	100
8DT031M	N	N	N	30	100	15	>2,000	N	<50	<10	70
8DT032M	N	N	N	100	100	70	>2,000	N	<50	10	50
8DT033M	N	N	N	100	200	<10	>2,000	N	N	10	50
8DT034M	N	N	N	100	200	20	>2,000	N	N	20	70
8LS001M	N	N	N	50	200	15	>2,000	N	N	<10	70
8LS001M	N	N	N	30	70	20	1,000	N	N	20	30
8LS002M	N	N	N	50	150	20	>2,000	N	N	<10	50
8LS002M	N	N	N	50	150	20	1,000	N	N	20	30
8LS003M	N	N	N	<10	30	<10	700	N	N	<10	20
8LS003M	N	N	N	15	20	10	200	N	N	10	20
8LS005M	N	N	N	15	50	10	2,000	N	N	<10	30
8LS005M	N	N	N	10	30	20	1,000	N	N	10	50
8LS006M	N	N	N	15	50	10	>2,000	N	N	<10	70
8LS006M	N	N	N	20	30	20	>2,000	N	N	15	100
8LS007M	N	N	N	20	50	20	1,000	N	70	10	20
8LS008M	N	N	N	50	50	50	2,000	N	N	20	70
8LS009M	N	N	N	20	50	20	>2,000	N	N	<10	50
8LS010M	N	N	N	<10	20	10	150	N	N	N	30
8LS011M	N	N	N	15	20	15	150	N	70	N	20
8LS013M	N	N	N	70	100	30	1,500	N	150	10	50
8LS014M	N	N	N	50	100	20	1,500	N	70	10	30
8MI002M	N	N	N	15	30	15	2,000	N	N	10	20
8MI003M	N	N	N	20	100	20	150	15	N	15	<20
8MI004M	N	N	N	10	20	10	200	N	N	<10	<20
8MI005M	N	N	N	20	50	20	100	N	50	<10	<20
8MI006M	N	N	N	30	50	15	100	15	N	10	<20
8MI007M	N	N	N	10	30	10	>2,000	<10	N	10	<20
8MI008M	N	N	N	15	100	30	300	N	N	20	<20
8MI009M	N	N	N	70	500	10	1,000	N	N	<10	30
8MI010M	N	N	N	30	100	20	>2,000	N	N	20	50
8MI011M	N	N	N	20	700	10	>2,000	N	N	20	30
8MI012M	N	N	N	10	70	<10	200	N	N	<10	<20

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-4--Continued					
8DT018M	N	30	N	1,500	500	N	200	N	>2,000	<200
8DT019M	N	70	N	1,500	500	N	300	N	>2,000	200
8DT020M	N	20	N	1,500	500	N	200	N	>2,000	200
8DT021M	N	50	N	1,500	700	N	500	N	>2,000	700
8DT022M	N	30	N	1,500	500	N	500	N	>2,000	1,000
8DT023M	N	50	N	1,500	500	N	700	N	>2,000	2,000
8DT024M	N	50	N	2,000	500	N	300	N	1,500	1,000
8DT025M	N	70	N	3,000	500	N	500	N	1,500	500
8DT026M	N	50	N	2,000	500	N	150	N	1,000	200
8DT027M	N	20	N	2,000	500	N	70	N	2,000	<200
8DT028M	N	20	N	2,000	500	N	100	N	>2,000	N
8DT029M	N	50	N	2,000	500	N	100	N	>2,000	<200
8DT030M	N	50	300	2,000	500	N	500	N	>2,000	500
8DT031M	N	50	N	1,500	700	N	700	N	1,500	1,500
8DT032M	N	50	100	1,000	500	N	300	N	>2,000	500
8DT033M	N	70	N	2,000	700	N	500	N	2,000	1,000
8DT034M	N	50	N	1,500	700	N	700	N	2,000	1,500
8LS001M	N	200	N	2,000	1,000	N	500	N	>2,000	500
8LS001M	N	100	N	1,000	300	N	200	N	>2,000	500
8LS002M	N	50	N	1,000	700	N	300	N	>2,000	700
8LS002M	N	70	N	1,000	500	N	150	N	>2,000	500
8LS003M	N	150	N	1,000	700	N	200	N	>2,000	N
8LS003M	N	100	N	1,000	500	N	100	N	>2,000	N
8LS005M	N	150	N	1,500	1,000	N	300	N	>2,000	300
8LS005M	N	100	N	1,000	500	N	100	N	>2,000	200
8LS006M	N	100	N	1,000	500	N	700	N	>2,000	1,000
8LS006M	N	N	N	1,000	300	N	500	N	>2,000	1,500
8LS007M	N	70	N	1,000	500	N	100	N	1,000	200
8LS008M	N	50	N	700	200	N	200	N	>2,000	700
8LS009M	N	70	N	1,000	300	N	200	N	2,000	700
8LS010M	N	70	N	700	500	N	100	N	300	N
8LS011M	N	100	N	700	500	N	100	N	1,000	N
8LS013M	N	100	N	700	500	N	200	N	2,000	700
8LS014M	N	100	N	1,000	500	N	200	N	2,000	500
8MI002M	N	20	N	700	200	N	150	N	1,500	500
8MI003M	N	20	N	1,000	300	N	30	N	1,000	N
8MI004M	N	15	N	700	200	N	20	N	700	N
8MI005M	N	20	N	700	300	N	30	N	700	N
8MI006M	N	10	N	1,000	200	N	20	N	300	N
8MI007M	N	15	N	500	150	N	100	N	2,000	500
8MI008M	N	30	N	1,000	300	N	50	N	>2,000	200
8MI009M	N	30	N	1,500	700	N	100	N	2,000	200
8MI010M	N	70	N	2,000	700	N	200	N	>2,000	700
8MI011M	N	30	N	1,500	500	N	150	N	>2,000	300
8MI012M	N	15	N	1,000	500	N	20	N	200	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-4--Continued							
8MI013M	35 18 12	80 58 22	7.00	.20	7.00	.200	1,500	N	N	N	30	70
8MI014M	35 19 0	80 56 34	10.00	.30	10.00	.300	2,000	N	N	N	70	100
8MI015M	35 15 56	80 56 40	7.00	.70	7.00	.700	2,000	N	N	N	200	50
8MI016M	35 15 36	80 54 58	7.00	.50	7.00	.700	2,000	N	N	N	300	<50
8MI017M	35 15 39	80 54 59	10.00	.20	5.00	1.000	2,000	N	N	N	50	<50
8MI018M	35 16 2	80 55 47	10.00	.70	7.00	.500	1,500	N	N	N	50	50
8MI019M	35 16 17	80 52 36	7.00	.70	7.00	.500	1,500	N	N	N	100	50
8MI020M	35 20 44	80 52 58	10.00	.50	15.00	1.000	1,500	N	N	N	200	100
8MI021M	35 20 56	80 54 35	7.00	1.00	10.00	.700	1,500	N	N	N	1,000	50
8MI022M	35 20 51	80 52 58	7.00	.70	7.00	.700	1,000	N	N	N	1,000	70
8MI023M	35 22 20	80 55 12	7.00	1.50	7.00	1.500	1,500	N	N	N	1,500	50
8GN001M	35 20 25	81 14 50	20.00	1.50	.20	>2.000	2,000	N	N	N	500	N
8GN002M	35 20 15	81 13 39	15.00	1.50	.15	1.000	1,500	N	N	N	200	<50
8GN003M	35 20 48	81 13 30	15.00	1.00	.20	>2.000	1,000	N	N	N	1,000	N
8GN004M	35 21 38	81 13 53	15.00	1.50	.70	>2.000	1,000	N	N	N	3,000	<50
8GN005M	35 20 55	81 10 49	10.00	.70	5.00	1.000	1,500	N	N	N	300	100
8GN006M	35 21 58	81 7 55	15.00	.50	5.00	2.000	2,000	N	N	N	200	70
8GN007M	35 22 18	81 13 31	15.00	2.00	1.00	>2.000	1,500	N	N	N	5,000	N
8GN008M	35 21 40	81 13 22	15.00	3.00	1.50	2.000	1,500	N	N	N	5,000	N
8GN009M	35 22 10	81 11 6	10.00	.20	10.00	1.500	1,500	N	N	N	100	150
8GN010M	35 20 24	81 9 37	20.00	3.00	2.00	2.000	2,000	N	N	N	20	150
8GN011M	35 20 38	81 7 39	15.00	.70	7.00	2.000	2,000	N	N	N	50	150
8GN012M	35 20 37	81 7 38	15.00	.50	7.00	1.500	2,000	N	N	N	20	100
8GN013M	35 18 53	81 14 1	10.00	1.00	.15	.500	1,000	N	N	N	200	N
8GN014M	35 17 32	81 13 10	15.00	1.00	7.00	1.500	1,500	N	N	N	200	100
8GN015M	35 17 9	81 12 36	.70	.30	.50	.500	500	N	N	N	100	<50
8GN016M	35 15 30	81 14 8	15.00	1.50	7.00	2.000	1,500	N	N	N	200	100
8GN017M	35 15 31	81 14 53	15.00	1.00	1.00	1.500	1,500	N	N	N	1,000	100
8GN018M	35 18 4	81 9 41	20.00	.70	3.00	>2.000	2,000	N	N	N	200	70
8GN019M	35 17 25	81 9 43	20.00	.70	2.00	>2.000	1,500	N	N	N	150	150
8GN020M	35 17 6	81 10 28	2.00	.70	.50	>2.000	1,000	N	N	N	200	70
8LE001M	35 23 13	81 14 5	7.00	.50	.15	2.000	2,000	N	N	N	3,000	N
8LE002M	35 24 50	81 10 43	10.00	.50	7.00	1.500	2,000	N	N	N	1,000	N
8LE003M	35 25 16	81 9 57	7.00	.70	3.00	2.000	1,500	N	N	N	300	N
8LE004M	35 23 58	81 11 55	7.00	.10	5.00	1.500	1,500	N	N	N	500	50
8LE005M	35 24 12	81 8 53	10.00	.70	2.00	>2.000	2,000	N	N	N	300	50
8LE005M	35 24 12	81 8 53	5.00	1.00	7.00	1.000	1,500	N	N	N	<20	50
8LE006M	35 26 16	81 7 41	5.00	.50	2.00	1.500	3,000	N	N	N	300	50
8LE007M	35 26 22	81 10 33	7.00	1.00	3.00	2.000	2,000	N	N	N	2,000	N
8LE008M	35 27 15	81 11 24	10.00	1.00	.70	2.000	2,000	N	N	N	1,500	N
8LE009M	35 27 34	81 11 11	10.00	1.50	.20	2.000	2,000	N	N	N	1,000	N
8LE010M	35 28 22	81 11 42	10.00	.70	.10	>2.000	2,000	N	N	N	500	N
8LE011M	35 29 24	81 9 49	7.00	1.00	.15	.500	3,000	N	N	N	500	N
8LV001M	35 24 35	81 4 25	7.00	.50	2.00	2.000	3,000	N	N	N	300	100
8LV002M	35 23 31	81 4 55	7.00	.70	2.00	2.000	3,000	N	N	N	500	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-4--Continued						
8MI013M	N	N	N	<10	50	10	2,000	N	N	<10	20
8MI014M	N	N	N	<10	70	30	>2,000	N	N	<10	30
8MI015M	N	N	N	10	100	15	700	N	N	10	300
8MI016M	N	N	N	50	700	20	1,500	N	N	10	500
8MI017M	N	N	N	100	2,000	50	1,000	N	<50	30	50
8MI018M	N	N	N	70	200	20	300	N	100	30	30
8MI019M	N	N	N	20	30	70	1,000	N	N	10	30
8MI020M	N	N	N	10	70	10	>2,000	N	N	<10	50
8MI021M	N	N	N	15	50	10	>2,000	N	N	15	30
8MI022M	N	N	N	10	50	10	300	N	<50	<10	20
8MI023M	N	N	N	30	50	20	700	N	N	10	20
8GN001M	5	N	N	70	300	N	1,000	20	100	100	100
8GN002M	5	N	N	70	300	<10	300	N	<50	150	20
8GN003M	2	N	N	50	300	10	>2,000	N	70	100	150
8GN004M	3	N	N	50	300	<10	>2,000	N	100	70	100
8GN005M	30	N	N	30	300	15	>2,000	15	70	70	500
8GN006M	<2	N	N	20	150	15	>2,000	15	150	20	200
8GN007M	3	N	N	50	300	<10	>2,000	N	150	70	150
8GN008M	5	N	N	50	500	N	1,000	20	100	30	50
8GN009M	<2	N	N	10	150	N	300	N	<50	30	200
8GN010M	<2	N	N	100	500	10	1,000	N	50	100	50
8GN011M	<2	N	N	70	300	15	>2,000	10	70	50	150
8GN012M	<2	N	N	30	300	15	>2,000	20	500	30	100
8GN013M	5	N	N	70	500	N	>2,000	30	<50	150	70
8GN014M	<2	N	N	30	300	10	>2,000	10	150	70	300
8GN015M	<2	N	N	30	300	15	>2,000	30	100	100	1,000
8GN016M	<2	N	N	30	200	20	>2,000	N	70	20	200
8GN017M	5	N	N	50	300	N	2,000	N	50	70	50
8GN018M	<2	N	N	30	200	20	2,000	N	100	20	200
8GN019M	<2	N	N	30	300	20	>2,000	N	200	50	500
8GN020M	<2	N	N	30	300	100	>2,000	N	1,000	50	700
8LE001M	15	N	N	100	500	10	500	N	150	50	20
8LE002M	3	N	N	50	700	N	1,000	N	50	30	100
8LE003M	2	N	N	70	300	<10	>2,000	N	150	70	150
8LE004M	3	N	N	70	300	10	>2,000	N	100	50	100
8LE005M	5	N	N	100	200	20	>2,000	N	500	<10	200
8LE005M	N	N	N	15	200	15	300	<10	50	20	20
8LE006M	3	N	N	50	300	10	>2,000	N	500	100	300
8LE007M	7	N	N	70	500	<10	>2,000	20	700	50	100
8LE008M	15	N	N	100	300	<10	700	N	50	20	20
8LE009M	30	N	N	100	500	<10	150	N	<50	50	20
8LE010M	20	N	N	70	300	<10	500	N	200	20	20
8LE011M	20	N	N	70	200	N	50	N	<50	20	N
8LV001M	5	N	N	70	200	10	>2,000	N	50	<10	50
8LV002M	2	N	N	50	150	10	1,500	10	50	<10	30

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-4--Continued					
8MI013M	N	15	N	1,000	200	N	30	N	1,500	<200
8MI014M	N	10	N	1,500	300	N	100	N	2,000	300
8MI015M	N	50	N	1,500	700	N	100	N	>2,000	<200
8MI016M	N	30	N	1,000	500	N	150	N	>2,000	200
8MI017M	N	20	50	1,000	500	N	100	500	700	200
8MI018M	N	30	N	1,500	700	100	300	N	700	<200
8MI019M	N	20	N	1,000	500	N	50	N	300	<200
8MI020M	N	30	N	1,000	700	N	200	N	>2,000	300
8MI021M	N	30	N	1,000	700	N	150	N	1,000	300
8MI022M	N	20	N	1,000	500	N	30	N	200	N
8MI023M	N	20	N	1,000	70	N	50	N	1,500	N
8GN001M	N	10	N	<200	200	N	150	1,000	200	<200
8GN002M	N	10	N	N	200	N	70	1,000	150	N
8GN003M	N	150	50	<200	200	N	500	N	200	1,500
8GN004M	N	150	500	300	200	N	500	700	700	1,000
8GN005M	N	>200	150	2,000	300	N	700	N	700	>5,000
8GN006M	N	>200	20	1,500	200	N	500	N	>2,000	2,000
8GN007M	N	150	70	300	200	N	700	700	500	1,000
8GN008M	N	20	50	300	200	N	100	500	500	N
8GN009M	N	100	20	3,000	300	N	70	N	300	N
8GN010M	N	50	20	500	500	N	100	700	700	200
8GN011M	N	200	20	1,000	300	N	300	N	>2,000	500
8GN012M	N	200	20	1,500	300	100	300	N	>2,000	1,000
8GN013M	N	50	N	N	200	150	300	N	150	700
8GN014M	N	>200	100	2,000	300	N	700	N	2,000	5,000
8GN015M	N	>200	50	500	200	<100	2,000	500	500	>5,000
8GN016M	N	200	30	1,500	300	N	200	N	300	500
8GN017M	N	200	N	<200	200	N	200	N	200	300
8GN018M	N	150	100	2,000	200	N	150	N	500	500
8GN019M	N	>200	70	1,000	300	N	500	N	700	5,000
8GN020M	N	>200	100	500	200	N	700	N	500	5,000
8LE001M	N	10	700	<200	200	N	100	3,000	300	N
8LE002M	N	150	100	3,000	700	N	200	N	2,000	<200
8LE003M	N	>200	30	1,500	300	N	1,000	N	>2,000	2,000
8LE004M	N	>200	30	1,500	300	N	700	N	>2,000	1,000
8LE005M	N	>200	50	1,500	300	N	1,500	1,500	>2,000	2,000
8LE005M	N	50	N	700	200	N	100	N	300	N
8LE006M	N	>200	150	1,000	500	N	5,000	1,000	1,500	5,000
8LE007M	N	>200	70	1,000	300	N	1,500	N	1,500	2,000
8LE008M	N	10	70	<200	300	N	150	2,000	300	N
8LE009M	N	<10	N	N	300	N	50	2,000	300	N
8LE010M	N	<10	150	N	300	N	100	2,000	500	N
8LE011M	N	N	20	N	300	N	30	2,000	200	N
8LV001M	N	100	20	1,000	300	N	700	2,000	1,000	700
8LV002M	N	50	70	700	200	<100	300	500	1,500	200

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-4--Continued							
8LV003M	35 23 28	81 4 59	7.00	.50	3.00	1.500	3,000	N	N	N	150	N
8LV004M	35 24 52	81 5 10	10.00	.50	3.00	.700	7,000	N	N	N	300	N
8LV005M	35 25 21	81 5 25	7.00	.70	7.00	.700	3,000	N	N	N	30	N
8LV008M	35 23 10	81 3 28	7.00	1.00	7.00	1.500	2,000	N	N	N	70	100
8LV009M	35 23 6	81 1 56	7.00	.50	2.00	>2.000	10,000	N	N	N	70	N
8LV010M	35 24 53	81 2 8	7.00	.30	5.00	.700	2,000	N	N	N	200	N
8LV011M	35 27 6	81 0 29	7.00	.70	5.00	1.000	2,000	N	N	N	100	150
8LV012M	35 27 7	81 0 38	7.00	3.00	5.00	1.500	2,000	N	N	N	<20	150
8LV013M	35 25 42	81 4 4	10.00	.50	7.00	.700	3,000	N	N	N	20	70
8LV014M	35 27 55	81 3 16	10.00	.30	3.00	1.500	3,000	N	N	N	70	150
8LV015M	35 28 45	81 4 20	10.00	.50	5.00	>2.000	2,000	N	N	N	50	100
8MH001M	35 16 53	81 6 9	7.00	.50	10.00	1.500	2,000	N	N	N	70	100
8MH001M	35 16 53	81 6 9	15.00	.70	10.00	>2.000	3,000	N	N	N	100	150
8MH002M	35 16 54	81 6 14	15.00	.50	7.00	>2.000	5,000	N	N	N	100	N
8MH003M	35 17 27	81 6 20	1.50	.05	.50	.200	200	N	N	N	<20	N
8MH004M	35 18 11	81 6 26	10.00	.50	.70	>2.000	10,000	N	N	N	500	100
8MH005M	35 15 29	81 5 8	7.00	1.00	10.00	1.000	3,000	N	N	N	100	100
8MH006M	35 21 28	81 7 5	50.00	1.00	3.00	>2.000	>10,000	N	N	N	<20	N
8MH007M	35 19 14	81 1 54	7.00	1.50	15.00	1.000	3,000	N	N	N	20	N
8MH008M	35 20 10	81 4 7	7.00	1.50	7.00	>2.000	10,000	N	N	N	20	50
8MH009M	35 17 15	81 2 26	7.00	1.50	10.00	.700	3,000	N	N	N	70	70
8MH009M	35 17 15	81 2 26	5.00	.70	10.00	.500	2,000	N	N	N	50	150
8MH010M	35 15 35	81 3 59	7.00	1.00	10.00	.500	2,000	N	N	N	100	100
8MH011M	35 18 57	81 3 23	7.00	1.50	15.00	.700	2,000	N	N	N	50	50
					B-6							
8BC001M	35 17 11	81 19 12	10.00	1.50	.30	.700	2,000	N	N	N	2,000	<50
8BC002M	35 17 8	81 19 10	10.00	1.50	.30	.500	1,500	N	N	N	2,000	<50
8BC003M	35 17 32	81 20 24	5.00	1.00	.15	1.500	7,000	N	N	N	2,000	70
8BC004M	35 18 5	81 19 28	10.00	2.00	1.00	1.500	5,000	N	N	N	3,000	100
8BC005M	35 18 16	81 19 32	20.00	2.00	1.50	1.500	10,000	N	N	N	2,000	N
8BC006M	35 19 51	81 19 33	20.00	1.50	.30	>2.000	5,000	N	N	N	3,000	N
8BC007M	35 18 54	81 19 10	15.00	1.50	.20	.700	5,000	N	N	N	2,000	N
8BC008M	35 18 56	81 19 8	10.00	2.00	.70	.700	1,500	N	N	N	3,000	N
8BC009M	35 18 59	81 21 8	20.00	2.00	1.50	2.000	5,000	N	N	N	3,000	<50
8BC010M	35 20 39	81 19 58	7.00	2.00	3.00	2.000	1,500	N	N	N	5,000	<50
8BC011M	35 19 20	81 18 26	7.00	2.00	.50	1.000	3,000	N	N	N	5,000	<50
8BC012M	35 20 14	81 17 44	10.00	5.00	2.00	1.000	2,000	N	N	N	>5,000	<50
8BC013M	35 20 19	81 16 54	10.00	2.00	3.00	1.000	1,500	N	N	N	5,000	<50
8BC014M	35 20 19	81 16 42	20.00	2.00	1.50	2.000	1,000	N	N	N	3,000	50
8BC015M	35 22 19	81 20 0	30.00	.70	.70	>2.000	10,000	N	N	N	2,000	<50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-4--Continued						
8LV003M	<2	N	N	50	150	10	1,000	N	200	20	30
8LV004M	5	N	N	200	300	200	1,000	15	70	70	30
8LV005M	<2	N	N	100	200	30	1,000	10	300	10	50
8LV008M	<2	N	N	100	200	30	700	N	<50	10	30
8LV009M	N	N	N	70	200	50	>2,000	N	200	<10	200
8LV010M	N	N	N	100	150	10	700	N	<50	<10	30
8LV011M	N	N	N	200	200	30	1,500	N	50	20	50
8LV012M	5	N	N	50	500	N	1,500	N	150	100	100
8LV013M	N	N	N	70	300	100	>2,000	N	50	20	50
8LV014M	3	N	N	150	200	10	>2,000	N	150	50	100
8LV015M	3	N	N	70	300	10	>2,000	N	150	30	200
8MH001M	N	N	N	70	150	50	500	N	<50	<10	70
8MH001M	N	N	N	200	1,500	200	200	N	<50	30	150
8MH002M	N	N	N	150	300	100	300	N	70	20	70
8MH003M	N	N	N	N	20	20	150	N	N	<10	20
8MH004M	5	N	N	150	700	20	2,000	20	200	50	500
8MH005M	N	N	N	70	200	30	300	N	N	20	50
8MH006M	2	N	N	150	2,000	100	500	N	700	20	70
8MH007M	N	N	N	50	200	20	1,000	N	<50	20	30
8MH008M	N	N	N	150	500	20	50	N	50	20	30
8MH009M	N	N	N	70	300	30	200	N	N	20	20
8MH009M	N	N	N	50	300	20	>2,000	N	N	20	50
8MH010M	N	N	N	70	100	30	700	N	N	20	20
8MH011M	N	N	N	50	200	20	50	N	N	30	20
					B-6--Continued						
8BC001M	20	N	N	50	300	<10	500	N	300	30	70
8BC002M	15	N	N	30	200	<10	150	10	150	50	20
8BC003M	10	N	N	30	200	100	>2,000	N	>5,000	200	500
8BC004M	15	N	N	50	200	70	1,500	N	>5,000	70	150
8BC005M	7	N	N	50	300	15	700	N	700	50	70
8BC006M	10	N	N	50	200	20	500	N	2,000	50	100
8BC007M	20	N	N	50	200	<10	300	N	200	50	30
8BC008M	15	N	N	50	300	20	200	N	2,000	50	30
8BC009M	10	N	N	50	300	30	1,000	10	2,000	100	100
8BC010M	5	N	N	30	200	10	1,500	N	200	50	70
8BC011M	20	N	N	50	200	<10	500	N	2,000	50	100
8BC012M	5	N	N	50	300	20	200	10	700	100	50
8BC013M	7	N	N	50	300	50	100	N	70	30	30
8BC014M	3	20	N	50	500	20	300	N	70	50	70
8BC015M	3	N	N	50	100	50	500	N	1,000	10	100

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-4--Continued					
8LV003M	N	50	20	1,000	300	N	200	5,000	500	200
8LV004M	N	70	20	500	300	N	200	700	200	200
8LV005M	N	50	N	700	300	N	200	10,000	300	300
8LV008M	N	70	N	1,500	300	N	150	N	1,000	N
8LV009M	N	>200	N	1,000	200	N	1,000	N	1,000	2,000
8LV010M	N	150	N	1,500	700	N	200	N	2,000	200
8LV011M	N	70	150	1,000	500	N	200	N	>2,000	300
8LV012M	N	100	20	3,000	300	N	300	N	>2,000	200
8LV013M	N	>200	N	1,500	500	N	1,000	2,000	700	300
8LV014M	N	>200	20	1,500	200	N	>5,000	N	1,000	1,000
8LV015M	N	>200	30	1,500	300	N	1,500	N	700	2,000
8MH001M	N	70	10	2,000	500	N	100	N	1,000	N
8MH001M	N	50	100	2,000	500	N	150	N	1,000	N
8MH002M	N	N	N	1,000	300	N	150	N	500	N
8MH003M	N	50	N	N	<20	N	20	N	N	N
8MH004M	N	50	100	300	200	N	1,000	2,000	1,000	1,000
8MH005M	N	100	N	2,000	500	N	100	N	150	<200
8MH006M	N	70	30	500	300	N	500	1,000	500	N
8MH007M	N	50	N	1,500	300	N	300	N	2,000	<200
8MH008M	N	70	N	1,000	200	N	50	N	300	N
8MH009M	N	50	N	1,500	500	N	50	N	200	N
8MH009M	N	50	70	1,500	300	N	300	N	700	500
8MH010M	N	50	N	1,500	500	N	70	N	700	N
8MH011M	N	50	N	1,500	500	N	50	N	500	N
					B-6--Continued					
8BC001M	N	10	300	N	200	N	200	2,000	300	N
8BC002M	N	10	1,500	N	200	N	200	2,000	150	N
8BC003M	N	>200	>2,000	N	200	N	>5,000	2,000	1,500	3,000
8BC004M	N	20	1,000	N	200	N	1,500	2,000	1,000	200
8BC005M	N	50	700	N	200	N	300	1,500	300	N
8BC006M	N	20	1,000	N	150	N	150	2,000	200	N
8BC007M	N	20	1,000	N	200	N	150	3,000	200	N
8BC008M	N	15	1,000	N	200	N	50	1,500	200	N
8BC009M	N	20	>2,000	N	200	N	500	1,500	300	200
8BC010M	N	20	150	300	300	N	300	1,000	150	500
8BC011M	N	20	>2,000	<200	200	N	70	2,000	300	N
8BC012M	N	30	300	200	300	N	70	1,000	150	N
8BC013M	N	30	300	500	300	N	70	1,500	100	N
8BC014M	N	20	300	<200	300	N	200	700	200	N
8BC015M	N	20	100	<200	200	N	200	1,000	200	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
						B-6--Continued						
8BC016M	35 22 21	81 20 2	15.00	3.00	1.00	>2.000	2,000	N	N	N	>5,000	<50
8BC017M	35 21 51	81 19 0	20.00	1.50	1.00	>2.000	7,000	N	N	N	2,000	<50
8BC018M	35 21 49	81 18 58	10.00	2.00	.15	1.000	3,000	N	N	N	5,000	<50
8BC019M	35 22 17	81 21 0	10.00	1.50	.15	>2.000	3,000	N	N	N	3,000	100
8BC020M	35 19 5	81 16 16	20.00	1.50	.30	>2.000	1,000	N	N	N	2,000	70
8BC021M	35 20 44	81 22 0	20.00	1.00	2.00	>2.000	5,000	N	N	N	2,000	<50
8BC022M	35 15 4	81 21 20	10.00	1.50	.20	.700	3,000	N	N	N	2,000	100
8BC023M	35 15 24	81 15 41	15.00	1.50	1.00	.500	2,000	N	N	N	500	70
8BC024M	35 15 18	81 17 35	20.00	1.50	1.00	1.500	1,500	N	N	N	700	<50
8BC025M	35 15 22	81 17 31	20.00	1.00	.20	.700	2,000	N	N	N	300	<50
8BC026M	35 16 17	81 15 13	15.00	1.50	.20	.700	2,000	N	N	N	500	70
8LW001M	35 22 50	81 16 12	7.00	1.00	1.00	1.000	3,000	N	N	N	3,000	N
8LW002M	35 26 9	81 17 30	7.00	.70	.20	>2.000	10,000	N	N	20	700	N
8LW003M	35 25 19	81 17 19	10.00	5.00	2.00	>2.000	>10,000	N	N	20	700	<50
8LW004M	35 22 53	81 19 39	5.00	1.00	1.50	>2.000	3,000	N	N	20	2,000	N
8LW005M	35 23 9	81 19 29	7.00	.50	.15	>2.000	7,000	N	N	20	500	N
8LW006M	35 23 30	81 19 23	3.00	.70	1.00	>2.000	7,000	N	N	20	500	N
8LW007M	35 23 40	81 19 19	1.50	.70	.20	>2.000	3,000	N	N	20	700	N
8LW008M	35 23 38	81 19 2	2.00	1.50	.50	>2.000	5,000	N	N	20	2,000	100
8LW012M	35 25 56	81 21 43	1.00	.50	.20	>2.000	700	N	N	N	100	N
8LW013M	35 28 1	81 21 16	.50	.50	.20	.500	500	N	N	N	50	N
8LW014M	35 29 30	81 20 20	2.00	.50	1.00	>2.000	1,000	N	N	N	70	N
8LW015M	35 28 19	81 19 32	7.00	.70	2.00	>2.000	2,000	N	N	N	N	N
8LW016M	35 24 20	81 21 0	7.00	.70	3.00	1.500	2,000	N	N	20	500	<50
9LW009M	35 26 16	81 18 44	10.00	.15	2.00	>2.000	1,000	N	N	N	2,000	<50
9LW010M	35 26 12	81 20 6	2.00	.15	.30	>2.000	1,000	N	N	N	150	N
9LW011M	35 26 7	81 20 8	2.00	.15	.50	>2.000	700	N	N	N	500	N
9LW017M	35 28 33	81 21 52	10.00	1.00	2.00	1.000	1,500	N	N	N	1,000	N
9LW017M	35 28 33	81 21 52	.15	.50	.20	.500	20	N	N	N	200	N
9LW017M	35 28 33	81 21 52	20.00	1.50	.15	>2.000	2,000	N	N	N	20	50
9LW018M	35 28 22	81 21 48	5.00	.20	5.00	>2.000	1,500	N	N	N	700	<50
9LW019M	35 23 52	81 22 12	7.00	.15	7.00	.700	2,000	N	N	N	1,000	<50
9LW020M	35 24 23	81 22 27	10.00	1.00	.30	>2.000	2,000	N	N	N	5,000	N
9LW021M	35 24 23	81 18 7	10.00	2.00	.70	>2.000	3,000	N	N	N	>5,000	<50
9LW022M	35 27 40	81 15 15	10.00	1.00	<.10	1.000	2,000	N	N	N	1,500	N
9LW023M	35 26 29	81 16 54	1.50	.50	.20	1.500	3,000	N	N	N	1,000	N
9LW024M	35 26 29	81 16 53	7.00	1.00	.30	>2.000	1,500	2.0	N	N	>5,000	N
9LW025M	35 27 30	81 16 45	5.00	.70	.20	>2.000	1,000	1.5	N	N	>5,000	N
9LW026M	35 23 15	81 16 0	10.00	1.50	.30	.700	2,000	N	N	N	>5,000	N
9WA001M	35 20 28	81 25 34	1.50	.50	.20	2.000	500	N	N	N	2,000	N
9WA002M	35 18 33	81 24 24	10.00	.70	10.00	1.500	1,000	N	N	N	150	N
9WA003M	35 15 30	81 28 52	.30	.30	.20	1.500	100	N	N	N	200	N
9WA004M	35 15 12	81 29 9	.50	.50	.20	1.500	70	N	N	N	5,000	N
9WA009M	35 21 2	81 26 38	3.00	.50	.20	1.500	300	N	N	N	5,000	N
9WA010M	35 22 18	81 27 16	.20	.50	.30	1.500	70	N	N	N	300	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-6--Continued						
8BC016M	1,000	N	N	30	300	70	>2,000	N	100	50	200
8BC017M	3	N	N	30	200	70	700	N	3,000	20	150
8BC018M	15	N	N	30	200	20	500	N	2,000	20	50
8BC019M	30	N	N	30	200	70	>2,000	N	300	50	200
8BC020M	5	N	N	70	300	20	500	N	150	50	100
8BC021M	10	N	N	30	200	20	>2,000	N	700	30	150
8BC022M	20	N	N	50	200	50	>2,000	20	2,000	50	150
8BC023M	20	N	N	30	150	<10	150	N	<50	10	20
8BC024M	15	N	N	100	200	50	500	10	200	30	30
8BC025M	20	N	N	50	200	15	200	N	150	20	20
8BC026M	15	N	N	50	150	<10	200	N	<50	50	20
8LW001M	20	N	N	70	300	15	70	N	100	70	20
8LW002M	5	N	N	50	200	100	>2,000	N	500	100	200
8LW003M	7	N	N	100	700	15	1,000	N	500	50	70
8LW004M	10	N	N	50	300	100	>2,000	N	1,000	70	200
8LW005M	5	N	N	50	500	150	>2,000	N	700	100	300
8LW006M	7	N	N	50	500	200	>2,000	N	2,000	200	700
8LW007M	10	N	N	50	700	300	>2,000	N	3,000	200	700
8LW008M	50	N	N	70	700	70	>2,000	20	1,000	50	200
8LW012M	2	N	N	50	500	10	>2,000	N	300	100	300
8LW013M	N	N	N	50	500	10	>2,000	N	150	100	300
8LW014M	N	N	N	50	500	50	>2,000	N	200	100	500
8LW015M	N	N	N	100	300	30	>2,000	N	70	100	100
8LW016M	7	N	N	50	200	100	>2,000	N	1,000	50	150
9LW009M	3	N	N	50	200	15	N	N	100	N	70
9LW010M	N	N	N	20	200	10	N	N	200	N	100
9LW011M	N	N	N	20	200	10	N	N	100	N	150
9LW017M	7	N	N	30	100	<10	N	N	200	N	50
9LW017M	N	N	N	30	30	10	>2,000	N	N	N	500
9LW017M	N	N	N	50	150	10	2,000	N	100	10	70
9LW018M	5	N	N	20	300	15	N	N	150	N	150
9LW019M	2	N	N	10	50	<10	N	N	200	N	100
9LW020M	30	N	N	30	200	<10	N	N	150	N	50
9LW021M	30	N	N	30	300	<10	N	N	500	N	100
9LW022M	30	N	N	20	150	N	150	N	50	N	N
9LW023M	5	N	N	20	70	30	N	N	>5,000	N	300
9LW024M	15	N	N	20	150	20	>2,000	N	500	N	150
9LW025M	15	N	N	20	200	10	>2,000	N	200	N	100
9LW026M	20	N	N	30	150	<10	1,000	N	300	30	50
9WA001M	3	N	N	30	50	<10	>2,000	N	150	20	30
9WA002M	2	N	N	20	70	70	200	N	<50	<10	<20
9WA003M	N	N	N	30	20	<10	>2,000	N	<50	15	500
9WA004M	N	N	N	30	30	<10	>2,000	N	<50	10	500
9WA009M	10	N	N	30	150	<10	>2,000	N	200	20	300
9WA010M	N	N	N	30	20	<10	>2,000	N	50	10	500

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-6--Continued					
8BC016M	N	20	100	<200	200	N	700	1,000	200	1,500
8BC017M	N	30	>2,000	<200	200	N	200	2,000	200	N
8BC018M	N	10	700	<200	300	N	150	10,000	300	N
8BC019M	N	100	100	<200	200	N	2,000	1,500	700	1,500
8BC020M	N	15	30	200	200	N	200	2,000	700	N
8BC021M	N	10	200	<200	300	N	1,000	2,000	200	1,500
8BC022M	N	10	2,000	<200	200	N	1,000	2,000	500	700
8BC023M	N	10	100	<200	300	N	50	1,500	150	N
8BC024M	N	10	1,000	200	200	N	70	1,500	200	N
8BC025M	N	10	150	<200	300	N	50	2,000	200	N
8BC026M	N	10	70	<200	200	N	70	1,000	200	N
8LW001M	N	15	200	200	300	N	50	2,000	500	N
8LW002M	N	>200	200	N	150	N	5,000	N	2,000	2,000
8LW003M	N	70	2,000	N	300	N	300	1,000	500	N
8LW004M	N	>200	200	200	200	N	5,000	1,500	1,000	2,000
8LW005M	N	>200	100	<200	150	N	5,000	N	1,000	3,000
8LW006M	N	>200	2,000	300	200	N	500	5,000	2,000	5,000
8LW007M	N	>200	>2,000	200	200	N	2,000	5,000	>2,000	5,000
8LW008M	N	>200	1,000	<200	300	N	5,000	N	2,000	700
8LW012M	N	>200	70	200	200	N	5,000	2,000	1,500	5,000
8LW013M	N	>200	70	500	100	N	5,000	2,000	1,500	>5,000
8LW014M	N	>200	50	200	150	N	3,000	1,000	2,000	>5,000
8LW015M	N	>200	<20	1,000	200	N	1,000	N	2,000	3,000
8LW016M	N	>200	500	500	200	N	1,000	700	500	3,000
9LW009M	N	100	100	300	200	N	2,000	<500	>2,000	2,000
9LW010M	N	10	30	<200	300	N	3,000	500	500	>5,000
9LW011M	N	10	30	<200	300	N	3,000	500	500	>5,000
9LW017M	N	20	50	<200	300	N	300	1,000	300	500
9LW017M	N	10	N	300	50	N	3,000	N	2,000	>5,000
9LW017M	N	10	N	N	150	N	2,000	500	500	1,000
9LW018M	N	10	70	200	200	N	5,000	1,500	300	>5,000
9LW019M	N	10	100	500	300	N	2,000	N	300	5,000
9LW020M	N	10	50	N	200	N	1,000	2,000	>2,000	1,000
9LW021M	N	20	>2,000	N	200	N	1,000	7,000	>2,000	2,000
9LW022M	N	N	20	N	200	N	30	2,000	200	N
9LW023M	N	10	>2,000	200	100	N	5,000	1,000	700	>5,000
9LW024M	N	20	2,000	N	200	N	2,000	3,000	>2,000	2,000
9LW025M	N	30	30	N	200	N	3,000	N	>2,000	5,000
9LW026M	N	N	2,000	N	200	N	100	2,000	500	300
9WA001M	N	10	50	300	100	N	5,000	700	1,500	>5,000
9WA002M	N	20	30	500	300	N	70	N	500	N
9WA003M	N	10	50	200	50	N	5,000	N	1,500	>5,000
9WA004M	N	10	50	500	50	N	5,000	N	1,000	>5,000
9WA009M	N	10	30	300	100	N	3,000	700	1,000	>5,000
9WA010M	N	10	50	300	100	N	3,000	500	1,000	>5,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-6--Continued							
9WA011M	35 19 50	81 26 20	3.00	.50	.20	2.000	1,000	N	N	N	2,000	N
9WA012M	35 20 56	81 24 25	.70	.30	.30	>2.000	200	N	N	N	700	N
9WA013M	35 19 45	81 23 44	10.00	.50	3.00	2.000	1,000	N	N	N	5,000	N
9WA014M	35 20 57	81 23 56	3.00	1.00	.70	2.000	1,000	N	N	N	5,000	N
9WA015M	35 15 15	81 26 46	1.50	.50	.30	1.000	500	N	N	N	1,000	N
9WA017M	35 15 44	81 23 44	1.50	.30	.20	1.500	2,000	N	N	N	500	N
9WA018M	35 15 39	81 22 59	1.50	.30	.20	2.000	1,000	N	N	N	2,000	N
9WA019M	35 16 31	81 22 44	2.00	.50	.20	2.000	700	N	N	N	2,000	N
9WA020M	35 17 0	81 23 2	1.50	.30	.15	>2.000	1,500	N	N	N	2,000	N
9WA021M	35 19 26	81 22 33	7.00	1.50	3.00	>2.000	1,500	N	N	N	5,000	N
					B-8							
9FC001M	35 18 37	81 45 54	.50	.50	.20	.200	70	N	N	N	500	N
9FC002M	35 18 32	81 47 19	.30	.50	.20	.200	100	N	N	N	150	N
9FC003M	35 15 54	81 46 30	.30	.50	.20	.200	70	N	N	N	1,000	N
9RN001M	35 29 8	81 56 3	1.00	.50	.70	.300	200	N	N	N	30	N
9RN002M	35 29 46	81 55 24	1.00	.50	.50	.150	150	N	N	N	50	N
9RN003M	35 29 43	81 55 20	2.00	.30	1.50	.200	700	N	N	N	<20	50
9RN004M	35 28 40	81 54 5	5.00	1.00	2.00	.500	1,500	N	N	N	20	70
9RN005M	35 29 55	81 52 45	5.00	1.00	2.00	.700	1,500	N	N	N	20	300
9RN006M	35 29 46	81 52 32	5.00	1.00	3.00	.700	2,000	N	N	N	20	100
9RN007M	35 29 28	81 53 1	7.00	.50	3.00	.500	2,000	N	N	N	20	150
9RN008M	35 23 43	81 54 54	1.50	.30	.50	.200	300	N	N	N	20	<50
9RN009M	35 24 38	81 59 25	7.00	.70	2.00	.300	1,500	N	N	N	50	50
9RN010M	35 22 35	81 59 52	7.00	.50	3.00	.500	1,000	N	N	N	<20	50
9RN011M	35 22 30	81 54 56	.30	.50	.30	.150	100	N	N	N	70	N
9RS001M	35 21 20	81 58 8	1.50	.20	.30	.150	200	N	N	N	<20	<50
9RS002M	35 20 24	81 58 45	7.00	.50	2.00	.200	1,000	N	N	N	30	100
9RS003M	35 19 38	81 58 7	.70	.30	.20	.150	150	N	N	N	150	N
9RS004M	35 20 22	81 57 22	.50	.30	.15	.150	100	N	N	N	20	N
9RS005M	35 18 5	81 57 40	1.50	.50	.50	.300	300	N	N	N	50	N
9RS006M	35 16 29	81 58 35	2.00	.50	.50	.300	500	N	N	N	100	<50
9RS007M	35 22 12	81 53 50	1.00	.50	.30	.200	200	N	N	N	<20	N
9RS008M	35 17 0	81 54 56	.30	.30	.20	.300	100	N	N	N	1,000	N
9RS009M	35 16 39	81 56 25	1.00	.30	.20	.500	150	N	N	N	2,000	N
9SN001M	35 28 29	81 51 4	.50	.50	.20	.100	150	N	N	N	100	N
9SN002M	35 27 36	81 50 9	.70	.50	.30	.200	200	N	N	N	<20	N
9SN004M	35 28 50	81 45 43	.50	.50	.30	.150	100	N	N	N	300	N
9SN005M	35 24 20	81 51 16	.20	.50	.20	.150	70	N	N	N	<20	N
9SN006M	35 24 36	81 48 39	.20	.50	.20	.100	50	N	N	N	200	N
9SN007M	35 24 43	81 48 42	.15	.30	.20	.100	30	N	N	N	150	N
9SN008M	35 23 50	81 46 31	.20	.30	.20	.200	50	N	N	N	500	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-6--Continued						
9WA011M	10	N	N	30	150	30	>2,000	N	200	20	300
9WA012M	<2	N	N	30	50	10	>2,000	N	200	10	300
9WA013M	5	N	N	50	150	70	>2,000	10	200	50	100
9WA014M	7	N	N	30	150	50	>2,000	N	200	20	500
9WA015M	5	N	N	70	30	200	>2,000	N	N	15	500
9WA017M	10	N	N	30	70	15	>2,000	N	500	15	500
9WA018M	7	N	N	20	50	10	>2,000	N	300	<10	500
9WA019M	10	N	N	30	70	10	>2,000	N	500	10	700
9WA020M	3	N	N	30	50	<10	>2,000	N	500	10	500
9WA021M	7	N	N	30	200	50	1,000	N	500	50	50
					B-8--Continued						
9FC001M	N	N	N	30	30	15	>2,000	N	N	15	500
9FC002M	N	N	N	30	20	15	>2,000	N	N	20	500
9FC003M	N	N	N	50	20	15	>2,000	N	N	15	500
9RN001M	N	N	N	30	20	N	>2,000	N	N	15	200
9RN002M	N	N	N	50	N	N	>2,000	N	N	15	300
9RN003M	N	N	N	30	<20	N	>2,000	N	N	10	200
9RN004M	N	N	N	70	200	20	>2,000	N	N	30	150
9RN005M	N	N	N	30	100	10	700	N	50	20	50
9RN006M	N	N	N	15	150	10	1,000	N	N	20	30
9RN007M	N	N	N	20	70	10	2,000	N	N	10	50
9RN008M	N	N	N	50	50	20	>2,000	N	N	15	300
9RN009M	N	N	N	100	200	30	>2,000	N	N	30	150
9RN010M	N	N	N	70	200	15	>2,000	N	N	20	100
9RN011M	N	N	N	30	20	20	>2,000	N	N	15	300
9RS001M	2	N	N	30	20	15	>2,000	N	N	20	300
9RS002M	N	N	N	100	200	50	>2,000	N	N	50	200
9RS003M	N	N	N	20	20	20	>2,000	N	N	15	500
9RS004M	N	N	N	20	30	20	>2,000	N	N	15	500
9RS005M	N	N	N	30	70	10	>2,000	N	N	20	500
9RS006M	N	N	N	50	100	15	>2,000	N	N	20	500
9RS007M	N	N	N	30	70	20	>2,000	N	N	20	500
9RS008M	N	N	N	30	30	10	>2,000	N	N	15	300
9RS009M	N	N	N	30	50	10	>2,000	N	N	15	300
9SN001M	N	N	N	50	50	50	>2,000	N	<50	10	300
9SN002M	N	N	N	50	50	15	>2,000	N	<50	10	200
9SN004M	N	N	N	50	30	15	>2,000	N	<50	10	200
9SN005M	N	N	N	50	700	20	>2,000	N	<50	10	200
9SN006M	N	N	N	50	20	10	>2,000	N	<50	10	200
9SN007M	N	N	N	50	20	15	>2,000	N	<50	10	200
9SN008M	N	N	N	50	20	15	>2,000	N	<50	10	300

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-6--Continued					
9WA011M	N	10	100	700	150	N	3,000	500	700	>5,000
9WA012M	N	10	30	300	100	N	5,000	<500	1,500	>5,000
9WA013M	N	10	30	200	200	N	500	5,000	500	1,000
9WA014M	N	10	20	<200	100	N	3,000	N	1,500	5,000
9WA015M	N	10	30	500	50	N	5,000	<500	>2,000	>5,000
9WA017M	N	10	1,000	700	50	N	5,000	700	2,000	5,000
9WA018M	N	10	500	700	70	N	5,000	1,000	1,000	5,000
9WA019M	N	10	500	500	100	N	5,000	1,000	1,000	>5,000
9WA020M	N	10	1,000	500	100	N	3,000	1,000	1,500	5,000
9WA021M	N	10	2,000	200	200	N	100	10,000	150	300
					B-8--Continued					
9FC001M	N	10	50	500	50	N	5,000	500	1,000	>5,000
9FC002M	N	10	50	500	50	N	5,000	500	1,000	>5,000
9FC003M	N	10	50	500	50	N	5,000	500	1,000	>5,000
9RN001M	N	10	30	300	50	N	5,000	N	>2,000	>5,000
9RN002M	N	10	30	300	50	N	5,000	N	>2,000	>5,000
9RN003M	N	10	20	500	70	N	5,000	N	2,000	5,000
9RN004M	N	10	N	300	200	N	3,000	5,000	2,000	3,000
9RN005M	N	50	N	700	200	N	300	N	2,000	500
9RN006M	N	70	N	700	200	N	300	N	>2,000	300
9RN007M	N	70	N	1,000	200	N	500	N	2,000	1,000
9RN008M	N	10	30	200	70	N	3,000	N	2,000	>5,000
9RN009M	N	10	20	500	150	N	3,000	3,000	1,500	5,000
9RN010M	N	10	<20	700	200	N	1,500	5,000	>2,000	3,000
9RN011M	N	10	50	300	30	N	5,000	N	2,000	>5,000
9RS001M	N	10	500	300	30	N	5,000	<500	2,000	>5,000
9RS002M	N	10	200	700	200	N	3,000	N	>2,000	3,000
9RS003M	N	10	70	300	30	N	3,000	500	1,000	5,000
9RS004M	N	10	50	500	30	N	5,000	500	1,000	>5,000
9RS005M	N	10	50	300	70	N	3,000	500	2,000	>5,000
9RS006M	N	10	50	300	70	N	5,000	700	2,000	>5,000
9RS007M	N	10	50	300	50	N	5,000	700	2,000	>5,000
9RS008M	N	10	50	500	50	N	5,000	500	700	>5,000
9RS009M	N	10	50	300	50	N	5,000	500	700	>5,000
9SN001M	N	10	50	500	20	N	5,000	500	2,000	>5,000
9SN002M	N	10	50	300	50	N	5,000	500	2,000	>5,000
9SN004M	N	10	50	500	50	N	5,000	500	2,000	>5,000
9SN005M	N	10	50	500	50	N	5,000	500	2,000	>5,000
9SN006M	N	10	50	500	20	N	5,000	500	1,500	>5,000
9SN007M	N	10	50	500	30	N	5,000	500	2,000	>5,000
9SN008M	N	10	50	300	30	N	5,000	500	2,000	>5,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					B-8--Continued							
9SN009M	35 25 11	81 52 18	1.50	.30	1.00	.200	500	N	N	N	<20	N
					C-1							
0D100M	35 42 0	80 12 30	7.00	.20	3.00	2.000	700	N	N	N	50	N
0D100M	35 42 0	80 12 30	7.00	.20	3.00	2.000	700	N	N	N	50	N
0D101M	35 41 36	80 12 29	7.00	.70	5.00	1.000	500	N	N	N	70	50
0D101M	35 41 36	80 12 29	7.00	.50	5.00	1.000	500	N	N	N	70	50
8D001M	35 30 45	80 9 9	10.00	.50	15.00	.300	1,500	N	N	N	20	70
8D002M	35 32 10	80 6 1	7.00	.20	15.00	.500	1,000	N	N	N	<20	<50
8D003M	35 31 57	80 4 57	5.00	1.00	15.00	.300	1,000	N	N	N	30	<50
8D004M	35 30 44	80 3 52	5.00	.30	15.00	.200	1,000	N	N	N	<20	<50
8D005M	35 31 30	80 2 2	5.00	.30	5.00	>2.000	3,000	N	N	N	50	<50
8D006M	35 31 43	80 1 14	3.00	.20	3.00	>2.000	1,500	N	N	N	N	<50
8D007M	35 33 57	80 2 40	3.00	1.00	7.00	>2.000	2,000	N	N	N	<20	N
8D008M	35 34 38	80 3 15	10.00	.50	2.00	2.000	1,500	N	N	N	<20	200
8D009M	35 35 50	80 1 50	10.00	.30	1.50	>.005	7,000	N	N	N	20	100
8D010M	35 36 12	80 3 59	7.00	.50	20.00	1.500	2,000	N	N	N	20	<50
8D011M	35 35 21	80 6 24	10.00	.20	3.00	1.500	2,000	N	N	N	30	50
8D012M	35 35 22	80 8 3	10.00	1.50	10.00	2.000	1,500	N	N	N	100	<50
8D013M	35 34 59	80 9 49	10.00	.20	10.00	2.000	1,500	N	N	N	150	<50
8D014M	35 32 19	80 8 21	10.00	1.00	10.00	>2.000	10,000	N	N	N	20	50
8D015M	35 32 24	80 9 51	10.00	.50	7.00	1.500	1,500	N	N	N	50	70
8D016M	35 34 2	80 9 10	15.00	1.00	10.00	2.000	3,000	N	N	N	20	N
8D017M	35 34 42	80 7 28	10.00	.70	15.00	1.500	1,500	N	N	N	50	N
8D018M	35 34 37	80 5 25	10.00	.30	7.00	>2.000	1,500	N	N	N	20	N
8D019M	35 34 3	80 4 42	7.00	1.50	10.00	.700	1,000	N	N	N	<20	N
8D020M	35 36 57	80 8 21	10.00	.50	7.00	1.000	1,000	N	N	N	<20	N
8D021M	35 34 25	80 12 55	20.00	1.00	3.00	>2.000	1,500	N	N	N	1,000	100
8D022M	35 34 19	80 14 41	20.00	.50	10.00	>2.000	2,000	N	N	N	50	<50
8D023M	35 32 40	80 14 26	15.00	.20	2.00	>2.000	10,000	N	N	N	50	70
8D024M	35 37 9	80 4 34	15.00	1.50	15.00	>2.000	1,500	N	N	N	20	<50
8D025M	35 37 45	80 4 38	15.00	2.00	10.00	2.000	2,000	N	N	N	<20	50
8D026M	35 38 41	80 4 3	15.00	.70	15.00	.500	1,500	N	N	N	<20	50
8D027M	35 39 56	80 2 45	10.00	.30	15.00	.500	1,500	N	N	N	20	<50
8D028M	35 40 30	80 3 40	20.00	.50	10.00	>2.000	>10,000	N	N	N	<20	N
8D029M	35 42 49	80 2 35	10.00	.50	10.00	.700	1,500	N	N	N	<20	<50
8D030M	35 43 34	80 2 0	10.00	.50	10.00	.300	1,500	N	N	N	<20	N
8D031M	35 43 47	80 0 15	10.00	.50	7.00	.300	1,000	N	N	N	<20	N
8D032M	35 44 51	80 3 27	30.00	.30	3.00	>2.000	10,000	N	N	N	20	50
8D033M	35 37 5	80 1 31	15.00	1.00	15.00	2.000	1,500	N	N	N	<20	<50
8D034M	35 37 0	80 1 24	15.00	1.50	15.00	2.000	1,500	N	N	N	<20	<50
8D035M	35 41 42	80 6 0	15.00	.50	10.00	>2.000	2,000	N	N	N	20	50
8D036M	35 41 42	80 6 40	10.00	.30	10.00	.300	1,000	N	N	N	<20	<50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					B-8--Continued						
9SN009M	N	N	N	50	50	20	>2,000	N	<50	20	300
					C-1--Continued						
0D100M	N	N	N	20	300	50	700	N	N	10	200
0D100M	N	N	N	15	200	50	500	N	150	10	700
0D101M	N	N	N	15	150	50	500	N	N	20	50
0D101M	N	N	N	15	150	30	300	N	N	15	50
8D001M	<2	N	N	20	300	50	50	N	N	20	30
8D002M	<2	N	N	10	300	30	50	N	N	30	20
8D003M	N	N	N	10	700	50	<50	N	<50	30	20
8D004M	N	N	N	<10	700	20	50	20	<50	20	<20
8D005M	7	N	N	20	300	30	70	N	70	<10	30
8D006M	7	N	N	20	700	20	<50	N	70	<10	50
8D007M	2	N	N	20	1,500	10	50	N	70	10	50
8D008M	10	N	N	20	500	150	100	N	N	20	200
8D009M	10	N	N	30	700	30	300	N	70	N	70
8D010M	2	N	N	20	1,000	<10	100	N	<50	15	30
8D011M	7	N	N	30	1,000	50	300	N	<50	30	70
8D012M	3	N	N	30	700	20	300	N	50	30	30
8D013M	5	N	N	20	1,000	50	1,000	N	<50	20	70
8D014M	3	N	N	30	1,500	30	100	N	50	30	50
8D015M	3	N	N	20	700	70	200	N	<50	<10	30
8D016M	2	N	N	20	3,000	50	300	N	100	70	30
8D017M	<2	N	N	<10	500	15	70	N	<50	20	30
8D018M	<2	N	N	20	500	30	100	N	<50	<10	30
8D019M	<2	N	N	20	500	10	N	N	<50	50	<20
8D020M	<2	N	N	15	300	50	100	N	<50	10	50
8D021M	10	N	N	50	700	50	>2,000	N	70	70	500
8D022M	3	N	N	30	1,000	70	700	N	50	<10	50
8D023M	5	N	N	70	1,000	10	700	N	200	<10	100
8D024M	2	N	N	30	1,500	50	N	N	<50	50	30
8D025M	2	N	N	30	700	50	<50	N	N	100	30
8D026M	2	N	N	30	1,000	30	150	N	N	30	20
8D027M	<2	N	N	15	200	20	50	N	N	10	20
8D028M	<2	N	N	20	500	20	<50	N	70	<10	30
8D029M	<2	N	N	20	200	30	<50	N	N	10	20
8D030M	<2	N	N	20	300	20	<50	20	N	20	20
8D031M	<2	N	N	20	300	30	<50	N	N	20	<20
8D032M	<2	N	N	30	500	30	<50	N	100	<10	<20
8D033M	<2	N	N	20	300	20	<50	N	N	20	20
8D034M	2	N	N	30	200	70	<50	N	<50	30	20
8D035M	3	N	N	20	1,000	20	500	N	50	20	500
8D036M	<2	N	N	100	1,000	50	N	N	N	20	<20

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					B-8--Continued					
9SN009M	N	10	30	300	100	N	5,000	500	2,000	>5,000
					C-1--Continued					
0D100M	N	100	N	1,000	300	N	200	N	300	<200
0D100M	N	100	N	700	200	N	100	1,000	200	<200
0D101M	N	70	N	700	200	N	100	N	300	200
0D101M	N	70	N	700	200	N	100	N	200	N
8D001M	N	70	N	1,000	1,000	N	100	N	70	N
8D002M	N	100	N	700	1,000	N	100	N	70	N
8D003M	N	50	N	700	1,000	N	70	N	70	N
8D004M	N	70	N	1,000	1,000	N	100	N	150	N
8D005M	N	20	N	500	500	N	70	N	100	N
8D006M	N	20	N	200	500	N	30	N	200	N
8D007M	N	50	N	700	700	N	50	N	200	N
8D008M	N	15	N	200	300	N	50	N	100	N
8D009M	N	15	N	300	200	N	50	N	200	N
8D010M	N	70	N	700	700	N	70	N	150	N
8D011M	N	10	N	700	700	N	50	N	300	N
8D012M	N	30	N	700	700	N	70	N	150	N
8D013M	N	50	N	700	700	N	200	N	1,000	200
8D014M	N	50	N	700	500	N	70	700	200	N
8D015M	N	70	N	700	700	N	70	N	70	N
8D016M	N	70	N	700	700	N	100	N	150	N
8D017M	N	100	N	1,000	1,000	N	100	N	70	N
8D018M	N	70	N	1,000	700	N	70	N	300	N
8D019M	N	70	N	1,500	700	N	70	N	50	N
8D020M	N	70	N	700	700	N	70	N	50	N
8D021M	N	50	N	500	500	N	500	500	>2,000	1,500
8D022M	N	100	70	1,000	1,000	N	150	N	500	N
8D023M	N	100	N	300	700	N	300	1,000	700	N
8D024M	N	70	N	700	1,000	N	70	N	200	N
8D025M	N	70	N	700	700	N	70	N	150	N
8D026M	N	100	N	1,000	1,000	N	150	N	50	N
8D027M	N	70	N	1,000	1,000	N	100	N	20	N
8D028M	N	100	N	1,000	500	N	70	N	100	N
8D029M	N	70	N	1,000	500	N	100	N	70	N
8D030M	N	70	N	1,000	700	N	100	N	30	N
8D031M	N	50	N	700	700	N	50	N	20	N
8D032M	N	50	N	300	300	N	30	N	100	N
8D033M	N	70	N	1,000	700	N	50	N	50	N
8D034M	N	70	N	700	700	N	50	N	50	N
8D035M	N	100	N	1,000	700	N	150	N	200	N
8D036M	N	50	N	700	700	N	50	N	50	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-1--Continued							
8D037M	35 40 46	80 6 47	15.00	.15	15.00	1.000	1,500	N	N	N	<20	50
8D038M	35 39 37	80 7 33	10.00	.30	15.00	.700	1,000	N	N	N	50	N
8D039M	35 38 54	80 7 22	20.00	.70	7.00	>2.000	7,000	N	N	N	<20	N
8D040M	35 39 1	80 9 59	15.00	1.50	15.00	.300	2,000	N	N	N	20	<50
8D041M	35 41 34	80 8 36	10.00	.30	10.00	.500	1,500	N	N	N	<20	<50
8D042M	35 39 2	80 12 25	15.00	1.00	2.00	1.000	1,500	N	N	N	700	100
8D043M	35 39 2	80 14 6	20.00	.20	5.00	>2.000	>10,000	N	N	N	20	N
8D044M	35 40 32	80 13 27	5.00	5.00	7.00	>2.000	3,000	N	N	N	70	50
8D045M	35 41 15	80 12 3	7.00	.50	7.00	>2.000	5,000	N	N	N	200	N
8D046M	35 41 38	80 12 14	7.00	.70	10.00	2.000	1,500	N	N	N	70	N
8D047M	35 42 22	80 12 13	10.00	.30	10.00	>2.000	2,000	N	N	N	30	<50
8D048M	35 43 37	80 10 6	10.00	.50	20.00	.500	1,500	N	N	N	20	N
8D049M	35 44 0	80 11 30	10.00	.70	15.00	>2.000	1,500	N	N	N	30	<50
8D050M	35 43 54	80 14 2	10.00	.70	7.00	2.000	1,500	N	N	N	30	50
8D051M	35 43 16	80 14 40	10.00	1.00	10.00	.700	1,500	N	N	N	<20	<50
8D052M	35 43 25	80 7 0	10.00	1.00	15.00	.500	5,000	N	N	N	20	<50
8D053M	35 44 40	80 4 52	10.00	.50	10.00	1.000	1,000	N	N	N	20	N
8D054M	35 43 51	80 8 3	15.00	.30	10.00	.500	1,500	N	N	N	20	70
8D055M	35 43 43	80 8 52	15.00	.20	10.00	.200	1,500	N	N	N	<20	<50
					C-2							
8GH001M	35 30 27	80 20 33	20.00	.20	.50	>2.000	5,000	7.0	N	70	30	200
8GH002M	35 30 48	80 21 12	20.00	.30	.70	>2.000	5,000	10.0	N	70	30	300
8GH003M	35 30 50	80 21 14	15.00	.20	10.00	1.000	2,000	N	N	N	30	N
8GH004M	35 30 53	80 21 46	10.00	.30	10.00	.500	1,500	N	N	N	20	N
8GH008M	35 33 57	80 21 9	5.00	.20	1.50	>2.000	7,000	N	N	N	30	100
8GH009M	35 33 58	80 17 53	7.00	3.00	7.00	1.500	1,500	N	N	N	50	N
8GH010M	35 35 8	80 17 21	7.00	2.00	7.00	2.000	2,000	N	N	N	100	N
8GH011M	35 35 23	80 16 32	15.00	3.00	10.00	1.500	1,500	N	N	N	200	<50
8GH012M	35 34 4	80 15 47	15.00	1.50	7.00	>2.000	1,500	N	N	N	150	<50
8GH013M	35 30 47	80 16 38	10.00	5.00	7.00	>2.000	3,000	N	N	N	30	N
8GH014M	35 30 42	80 15 42	7.00	5.00	10.00	>2.000	2,000	N	N	N	100	N
8GH015M	35 32 49	80 16 39	7.00	2.00	2.00	>2.000	3,000	N	N	N	150	70
8GH016M	35 33 50	80 22 11	15.00	.70	7.00	2.000	5,000	N	N	N	<20	<50
8GH017M	35 35 16	80 21 34	10.00	.50	10.00	.700	2,000	N	N	N	20	<50
8GH018M	35 36 29	80 20 14	10.00	.30	10.00	1.500	2,000	N	N	N	20	N
8GH019M	35 37 7	80 18 34	10.00	.20	.50	1.000	2,000	N	N	N	<20	N
8GH020M	35 33 19	80 19 46	10.00	.20	10.00	2.000	2,000	N	N	N	200	70
8GH021M	35 34 30	80 19 17	5.00	1.00	10.00	>2.000	1,500	N	N	N	50	50
8GH022M	35 34 13	80 18 11	5.00	5.00	7.00	>2.000	5,000	N	N	N	150	<50
8GH023M	35 33 26	80 18 35	3.00	.70	3.00	>2.000	3,000	N	N	N	500	100

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-1--Continued						
8D037M	2	N	N	20	500	50	300	N	<50	20	50
8D038M	<2	N	N	10	700	100	>2,000	N	N	30	30
8D039M	5	N	N	50	1,500	200	<50	N	50	30	70
8D040M	3	N	N	30	500	50	<50	N	N	50	30
8D041M	2	N	N	<10	300	50	200	N	N	10	30
8D042M	7	N	N	50	300	100	100	N	50	50	70
8D043M	2	N	N	20	150	20	<50	N	50	<10	50
8D044M	3	N	N	50	2,000	50	200	N	50	150	50
8D045M	5	N	N	20	5,000	50	2,000	N	70	20	100
8D046M	<2	N	N	15	700	50	700	N	50	30	300
8D047M	3	N	N	30	1,000	30	150	N	50	20	300
8D048M	<2	N	N	15	1,000	20	50	N	<50	50	20
8D049M	<2	N	N	15	500	20	70	N	50	10	50
8D050M	<2	N	N	50	1,000	30	150	N	<50	10	30
8D051M	<2	30	N	30	300	100	150	N	<50	30	30
8D052M	<2	N	N	15	500	50	50	15	<50	20	300
8D053M	<2	N	N	10	300	20	<50	N	<50	20	<20
8D054M	3	N	N	30	1,000	70	<50	N	<50	50	50
8D055M	3	N	N	30	1,000	70	<50	10	<50	50	30
					C-2--Continued						
8GH001M	3	1,000	N	20	200	1,500	700	15	100	<10	1,000
8GH002M	3	300	N	30	300	3,000	1,500	10	100	<10	1,000
8GH003M	2	N	N	20	3,000	100	500	N	<50	<10	50
8GH004M	2	N	N	20	100	50	100	N	N	<10	30
8GH008M	<2	N	N	30	300	10	>2,000	N	200	<10	200
8GH009M	2	N	N	30	2,000	15	1,000	N	50	200	20
8GH010M	<2	N	N	20	1,500	15	1,000	N	200	70	50
8GH011M	3	N	N	30	1,500	30	700	N	700	150	70
8GH012M	3	N	N	30	700	30	300	N	50	50	30
8GH013M	2	N	N	50	2,000	<10	300	N	70	100	50
8GH014M	2	N	N	50	2,000	10	300	N	70	100	30
8GH015M	5	N	N	30	1,000	15	1,000	N	300	70	70
8GH016M	N	N	N	200	1,500	20	700	N	70	30	20
8GH017M	N	N	N	20	200	10	1,000	N	N	20	20
8GH018M	N	N	N	30	1,500	15	>2,000	N	<50	20	30
8GH019M	N	N	N	10	1,500	10	1,500	N	N	<10	30
8GH020M	3	N	N	20	700	50	1,000	N	70	N	100
8GH021M	<2	N	N	20	1,500	200	>2,000	N	100	50	70
8GH022M	2	N	N	30	2,000	10	1,500	N	70	100	70
8GH023M	7	N	N	20	1,000	10	2,000	N	200	50	100

Table A.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-1--Continued					
8D037M	N	150	N	1,000	1,000	N	150	N	70	N
8D038M	N	100	N	1,000	700	N	300	N	50	N
8D039M	N	70	N	500	700	N	70	N	150	N
8D040M	N	70	N	1,500	1,000	N	70	N	30	N
8D041M	N	100	N	1,500	1,000	N	100	N	30	N
8D042M	N	30	N	200	500	N	30	N	100	N
8D043M	N	50	N	500	300	N	50	N	100	N
8D044M	N	70	N	200	300	N	100	N	100	N
8D045M	N	70	N	1,000	300	N	200	N	500	500
8D046M	N	100	N	1,500	500	N	200	N	200	N
8D047M	N	100	N	1,000	700	N	150	N	100	N
8D048M	N	150	N	1,000	1,000	N	150	N	50	N
8D049M	N	100	N	1,000	700	N	100	N	70	N
8D050M	N	70	N	1,000	500	N	100	N	700	N
8D051M	N	70	N	1,000	500	N	70	N	200	N
8D052M	N	70	N	1,000	700	N	70	2,000	50	N
8D053M	N	100	N	700	1,000	N	50	N	50	N
8D054M	N	70	N	1,000	1,000	N	100	N	50	N
8D055M	N	100	N	700	1,000	N	70	N	30	N
					C-2--Continued					
8GH001M	N	10	N	N	200	N	500	1,000	200	<200
8GH002M	N	15	200	200	200	N	300	2,000	500	N
8GH003M	N	50	N	1,000	500	N	300	N	200	N
8GH004M	N	50	N	1,500	700	N	50	N	100	N
8GH008M	N	150	50	<200	150	N	1,500	N	1,500	3,000
8GH009M	N	150	N	300	700	N	150	N	700	<200
8GH010M	N	150	N	500	700	N	300	N	>2,000	<200
8GH011M	N	100	N	500	500	N	200	N	1,000	<200
8GH012M	N	50	N	700	700	N	100	N	300	N
8GH013M	N	150	N	N	300	N	100	N	500	N
8GH014M	N	200	N	N	500	N	150	N	500	N
8GH015M	N	70	N	200	500	N	500	N	1,000	<200
8GH016M	N	20	N	1,000	500	N	100	N	300	N
8GH017M	N	20	N	1,000	700	N	150	N	70	N
8GH018M	N	20	N	1,000	500	N	300	N	200	200
8GH019M	N	20	N	2,000	700	N	100	N	150	<200
8GH020M	N	70	N	1,500	500	N	150	N	500	<200
8GH021M	N	70	N	1,000	500	N	500	N	700	1,000
8GH022M	N	100	N	500	300	N	200	N	700	500
8GH023M	N	50	<20	700	200	N	700	N	1,000	1,500

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-2--Continued							
8GH024M	35 31 25	80 17 46	3.00	3.00	7.00	>2.000	2,000	N	N	N	150	100
8RC001M	35 35 20	80 29 59	5.00	.10	7.00	>2.000	10,000	N	N	N	20	100
8RC002M	35 35 35	80 29 13	5.00	.15	10.00	>2.000	5,000	N	N	N	30	100
8RC003M	35 34 59	80 29 57	7.00	.30	10.00	1.500	2,000	10.0	N	N	100	100
8RC004M	35 35 15	80 28 55	7.00	.30	10.00	>2.000	3,000	2.0	N	20	100	100
8RC005M	35 33 31	80 27 33	7.00	.10	7.00	>2.000	5,000	N	N	20	100	300
8RC006M	35 32 9	80 26 57	10.00	.50	10.00	1.500	5,000	N	N	20	20	70
8RC007M	35 31 53	80 27 24	5.00	1.00	10.00	2.000	7,000	N	N	20	20	200
8RC008M	35 32 3	80 28 15	5.00	.10	1.00	>2.000	10,000	N	N	20	150	200
8RC009M	35 31 5	80 29 42	5.00	.20	10.00	1.000	5,000	N	N	20	100	100
8RC010M	35 30 15	80 29 47	5.00	.30	15.00	1.000	5,000	N	N	20	100	70
8RC011M	35 31 23	80 26 26	5.00	.30	10.00	1.000	3,000	N	N	N	<20	100
8RC012M	35 36 39	80 27 59	5.00	.30	10.00	>2.000	7,000	5.0	N	N	70	70
8RC013M	35 36 43	80 28 0	3.00	.30	15.00	1.500	2,000	N	N	N	70	100
8RC014M	35 36 0	80 27 59	2.00	.50	7.00	>2.000	2,000	N	N	20	50	100
8RC015M	35 33 30	80 26 30	7.00	.70	10.00	1.500	1,500	N	N	N	20	50
8RC016M	35 32 59	80 25 32	7.00	.70	10.00	1.500	2,000	N	N	N	70	70
8RC017M	35 32 15	80 24 48	10.00	.50	15.00	1.000	2,000	N	N	N	50	100
8RC018M	35 31 49	80 25 7	10.00	.50	10.00	1.000	2,000	N	N	N	20	150
8RC019M	35 31 14	80 25 29	20.00	.50	5.00	>2.000	>10,000	N	N	N	<20	50
8RC020M	35 31 11	80 24 29	10.00	.50	10.00	1.000	1,500	N	N	N	20	70
8RC021M	35 32 31	80 22 29	10.00	.70	10.00	1.500	2,000	N	N	N	<20	150
8RC022M	35 31 12	80 23 24	7.00	.20	10.00	2.000	1,500	N	N	N	20	100
8RC023M	35 33 59	80 24 4	10.00	.50	15.00	1.000	1,500	N	N	N	150	150
8RC024M	35 34 57	80 25 52	5.00	.15	7.00	>2.000	1,500	N	N	20	100	100
8RC025M	35 35 22	80 26 18	5.00	.20	1.50	>2.000	3,000	N	N	20	500	100
8RC026M	35 37 13	80 24 3	7.00	.50	10.00	>2.000	1,500	N	N	N	50	150
8RC027M	35 36 58	80 23 28	10.00	.70	10.00	1.000	1,500	N	N	N	70	100
8RC028M	35 35 50	80 23 57	10.00	.30	10.00	2.000	5,000	N	N	N	70	100
8RC029M	35 36 39	80 23 58	10.00	.30	15.00	1.500	2,000	N	N	N	70	100
8RC030M	35 34 4	80 22 47	10.00	.20	15.00	2.000	2,000	N	N	N	70	200
8RC031M	35 33 58	80 22 56	10.00	.30	15.00	.700	2,000	N	N	N	150	100
8RC032M	35 33 48	80 22 59	10.00	.30	15.00	1.000	2,000	N	N	N	150	100
8SA001M	35 42 15	80 28 52	7.00	.70	10.00	2.000	3,000	N	N	N	50	200
8SA002M	35 44 21	80 28 56	7.00	1.00	7.00	>2.000	1,500	N	N	N	30	300
8SA003M	35 44 51	80 28 27	7.00	7.00	7.00	2.000	2,000	N	N	N	<20	200
8SA004M	35 43 1	80 26 6	10.00	1.50	3.00	>2.000	7,000	N	N	N	20	50
8SA005M	35 42 37	80 27 12	20.00	2.00	10.00	2.000	3,000	N	N	N	20	70
8SA005M	35 42 37	80 27 12	5.00	.50	10.00	>2.000	2,000	3.0	N	N	50	100
8SA006M	35 41 45	80 28 17	15.00	1.00	10.00	2.000	2,000	N	N	N	<20	100
8SA007M	35 40 59	80 28 40	10.00	.70	10.00	.700	2,000	N	N	N	100	100
8SA008M	35 42 5	80 25 54	7.00	1.50	10.00	>2.000	7,000	N	N	N	100	200
8SA009M	35 43 52	80 23 28	20.00	1.00	3.00	>2.000	>10,000	N	N	N	<20	200
8SA010M	35 43 51	80 24 24	7.00	7.00	10.00	>2.000	2,000	N	N	N	100	200
8SA011M	35 44 26	80 26 7	7.00	1.00	10.00	>2.000	1,500	N	N	N	300	150

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-2--Continued						
8GH024M	3	N	N	30	1,000	10	700	N	70	70	100
8RC001M	<2	N	N	15	500	10	1,000	N	50	<10	20
8RC002M	7	N	N	15	200	10	500	N	700	<10	30
8RC003M	5	N	N	15	300	<10	700	N	1,000	<10	30
8RC004M	7	N	N	50	200	10	700	N	2,000	<10	70
8RC005M	20	N	N	70	300	100	1,500	N	2,000	<10	150
8RC006M	2	N	N	30	200	10	1,500	N	2,000	<10	30
8RC007M	20	N	N	10	200	20	1,500	N	5,000	50	100
8RC008M	50	N	N	10	100	15	>2,000	N	>5,000	<10	200
8RC009M	20	N	N	20	100	10	1,000	N	2,000	<10	50
8RC010M	15	N	N	20	100	10	2,000	N	1,000	<10	70
8RC011M	<2	N	N	10	100	10	200	N	70	<10	20
8RC012M	3	N	N	30	700	10	300	N	200	<10	30
8RC013M	7	N	N	10	200	<10	1,500	N	700	<10	70
8RC014M	20	N	N	20	150	<10	>2,000	N	5,000	<10	200
8RC015M	<2	N	N	15	50	10	300	N	300	<10	20
8RC016M	2	N	N	20	100	10	200	N	150	<10	50
8RC017M	3	N	N	20	200	50	700	N	150	<10	50
8RC018M	2	N	N	30	150	20	500	N	300	<10	50
8RC019M	<2	N	N	50	300	20	<50	N	50	<10	20
8RC020M	<2	N	N	30	150	10	500	N	<50	<10	30
8RC021M	<2	N	N	30	200	30	500	N	<50	<10	50
8RC022M	<2	N	N	15	70	150	1,500	N	50	<10	70
8RC023M	<2	N	N	15	70	10	300	N	<50	<10	20
8RC024M	20	N	N	10	200	<10	>2,000	N	1,000	<10	200
8RC025M	30	N	N	20	200	<10	>2,000	N	1,500	<10	300
8RC026M	5	N	N	15	200	<10	2,000	N	700	<10	100
8RC027M	<2	N	N	20	200	20	1,000	N	100	<10	30
8RC028M	<2	N	N	20	200	<10	2,000	N	100	<10	50
8RC029M	2	N	N	20	300	<10	2,000	N	100	<10	50
8RC030M	<2	N	N	70	200	10	>2,000	N	N	<10	70
8RC031M	<2	N	N	10	100	<10	1,000	N	N	<10	20
8RC032M	<2	N	N	10	100	<10	1,500	N	50	<10	30
8SA001M	3	N	N	10	300	10	2,000	N	1,000	50	100
8SA002M	7	N	N	15	200	10	1,500	20	150	20	100
8SA003M	7	N	N	50	1,000	15	500	N	50	300	30
8SA004M	N	N	N	70	300	15	200	N	100	20	20
8SA005M	2	N	N	50	300	20	2,000	N	300	70	70
8SA005M	15	N	N	15	200	50	1,500	N	1,500	30	100
8SA006M	2	N	N	30	300	10	1,000	10	70	50	100
8SA007M	N	N	N	20	150	30	300	N	<50	20	500
8SA008M	2	N	N	50	200	100	700	N	200	10	150
8SA009M	2	N	N	50	100	10	50	N	100	20	30
8SA010M	7	N	N	30	500	<10	1,000	10	100	200	70
8SA011M	5	N	N	20	500	<10	2,000	10	100	30	150

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-2--Continued					
8GH024M	N	70	N	500	300	<100	150	N	500	<200
8RC001M	N	50	N	1,000	300	N	70	N	500	<200
8RC002M	N	70	20	2,000	200	N	1,000	<500	2,000	<200
8RC003M	N	70	50	2,000	300	N	500	500	2,000	<200
8RC004M	N	70	30	2,000	200	N	1,500	N	2,000	500
8RC005M	N	150	700	1,000	200	N	2,000	700	>2,000	1,000
8RC006M	N	70	200	1,000	300	N	500	N	2,000	500
8RC007M	N	100	2,000	1,500	200	N	1,000	N	>2,000	5,000
8RC008M	N	>200	700	500	100	N	>5,000	1,000	>2,000	>5,000
8RC009M	N	100	70	1,000	300	N	1,000	N	>2,000	3,000
8RC010M	N	100	20	1,000	300	N	700	N	>2,000	3,000
8RC011M	N	50	100	1,000	300	N	100	N	1,500	N
8RC012M	N	50	N	1,000	200	N	150	N	700	N
8RC013M	N	50	30	1,500	200	N	1,000	N	2,000	500
8RC014M	N	50	30	700	100	N	5,000	N	2,000	>5,000
8RC015M	N	50	<20	1,500	300	N	150	N	200	<200
8RC016M	N	50	<20	1,500	300	N	150	N	700	N
8RC017M	N	50	<20	1,500	300	N	150	N	2,000	200
8RC018M	N	50	N	1,500	200	N	150	N	1,000	<200
8RC019M	N	50	N	700	200	N	30	N	100	N
8RC020M	N	50	N	1,500	300	N	100	N	300	N
8RC021M	N	50	N	1,000	300	N	70	N	300	N
8RC022M	N	50	<20	1,000	300	N	150	N	1,000	N
8RC023M	N	50	N	1,500	300	N	100	N	1,000	N
8RC024M	N	200	100	700	150	N	1,000	N	2,000	1,000
8RC025M	N	>200	50	<200	200	N	5,000	N	2,000	2,000
8RC026M	N	70	150	1,000	200	N	500	N	2,000	300
8RC027M	N	70	N	1,000	200	N	150	N	500	200
8RC028M	N	50	N	1,000	300	N	200	N	500	300
8RC029M	N	70	N	1,500	300	N	150	N	500	200
8RC030M	N	100	<20	1,500	300	N	300	N	1,000	500
8RC031M	N	30	N	1,500	300	N	100	N	150	<200
8RC032M	N	50	N	1,500	300	N	150	N	1,000	300
8SA001M	N	>200	70	1,500	200	N	500	N	>2,000	2,000
8SA002M	N	100	30	2,000	200	N	200	N	>2,000	1,500
8SA003M	N	70	N	1,500	200	N	70	N	500	N
8SA004M	N	50	N	500	500	N	100	N	500	<200
8SA005M	N	70	N	1,000	200	N	300	N	1,000	1,500
8SA005M	N	100	10	1,500	200	N	1,500	N	>2,000	500
8SA006M	N	100	100	1,500	200	N	200	N	>2,000	300
8SA007M	N	100	30	1,000	300	N	100	N	300	<200
8SA008M	N	100	50	1,000	300	N	150	N	700	<200
8SA009M	N	70	N	500	500	N	150	700	500	N
8SA010M	N	70	<20	1,000	300	N	150	N	2,000	<200
8SA011M	N	200	<20	2,000	300	N	500	N	2,000	1,500

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-2--Continued							
8SA012M	35 42 7	80 23 58	10.00	.70	15.00	.700	2,000	N	N	N	150	150
8SA013M	35 38 10	80 23 44	10.00	2.00	10.00	>2.000	3,000	N	N	N	<20	300
8SA013M	35 39 24	80 23 48	7.00	.70	15.00	2.000	2,000	N	N	N	150	200
8SA014M	35 38 53	80 25 59	10.00	.30	5.00	>2.000	>10,000	N	N	N	<20	150
8SA015M	35 37 35	80 27 30	15.00	.15	3.00	>2.000	>10,000	N	N	N	<20	200
8SA016M	35 37 51	80 29 36	20.00	.20	3.00	>2.000	>10,000	N	N	N	<20	200
8SM001M	35 43 59	80 16 41	20.00	5.00	2.00	>2.000	300	N	N	N	50	150
8SM002M	35 41 38	80 18 30	20.00	2.00	3.00	>2.000	1,500	N	N	N	1,500	100
8SM004M	35 37 52	80 20 54	10.00	.70	10.00	1.500	1,500	N	N	N	50	100
8SM005M	35 42 1	80 20 47	15.00	2.00	10.00	2.000	2,000	N	N	N	20	100
					C-3							
8CC006M	35 31 0	80 30 6	7.00	1.50	7.00	.700	2,000	N	N	N	<20	N
8CC028M	35 38 40	80 35 38	15.00	.50	10.00	2.000	1,500	N	N	N	20	<50
8CG001M	35 31 33	80 34 12	20.00	1.50	20.00	2.000	5,000	N	N	N	20	100
8CG002M	35 30 57	80 33 29	20.00	1.00	20.00	>2.000	5,000	N	N	N	100	150
8CG003M	35 30 18	80 33 36	15.00	1.00	20.00	2.000	5,000	N	N	N	100	200
8CG004M	35 30 56	80 34 36	10.00	3.00	10.00	>2.000	5,000	N	>20,000	N	70	70
8CG005M	35 36 49	80 37 12	15.00	2.00	20.00	.700	5,000	N	N	N	500	<50
8CG007M	35 31 8	80 35 11	10.00	3.00	5.00	>2.000	7,000	N	20,000	N	50	70
8CG008M	35 31 15	80 35 5	20.00	5.00	15.00	2.000	5,000	N	1,000	N	30	50
8CG009M	35 31 54	80 34 51	20.00	5.00	15.00	2.000	7,000	N	1,500	N	<20	70
8CG010M	35 32 30	80 34 13	20.00	7.00	10.00	2.000	5,000	N	N	N	150	100
8CG011M	35 32 33	80 34 23	20.00	2.00	15.00	2.000	3,000	N	N	N	100	100
8CG012M	35 32 31	80 34 30	15.00	5.00	15.00	2.000	5,000	N	N	N	<20	70
8CG013M	35 32 40	80 35 25	20.00	5.00	15.00	>2.000	5,000	N	N	N	100	70
8CG014M	35 34 23	80 35 23	20.00	2.00	20.00	.700	5,000	N	N	N	700	N
8CG015M	35 35 7	80 36 11	20.00	2.00	20.00	1.000	7,000	N	N	N	1,000	50
8CG016M	35 35 26	80 36 35	20.00	1.50	20.00	2.000	7,000	N	N	N	500	50
8CG017M	35 37 24	80 35 57	30.00	1.00	20.00	.700	7,000	N	N	N	1,000	N
8CG018M	35 36 22	80 34 31	20.00	2.00	20.00	1.000	5,000	N	N	N	1,000	N
8CG019M	35 35 34	80 35 12	30.00	1.50	20.00	1.000	7,000	N	N	N	1,500	<50
8CG020M	35 35 19	80 35 1	20.00	7.00	20.00	1.000	5,000	N	N	N	200	50
8CG021M	35 33 40	80 34 1	20.00	2.00	20.00	2.000	5,000	N	N	N	50	100
8CG022M	35 33 14	80 34 8	20.00	1.50	20.00	2.000	3,000	N	N	N	200	100
8CG023M	35 30 29	80 30 59	30.00	1.50	30.00	2.000	5,000	N	N	N	100	150
8CG024M	35 30 51	80 30 48	20.00	1.00	20.00	2.000	5,000	N	N	N	50	70
8CG025M	35 32 2	80 30 36	15.00	1.00	20.00	2.000	7,000	N	N	N	200	100
8CG026M	35 32 10	80 30 54	30.00	1.00	20.00	2.000	5,000	N	N	N	70	70
8CG027M	35 31 43	80 31 42	20.00	1.00	20.00	2.000	3,000	N	N	N	70	70
8CG028M	35 32 36	80 32 5	20.00	.70	30.00	>2.000	5,000	N	N	N	100	150
8CG029M	35 32 35	80 32 2	20.00	.50	20.00	1.000	5,000	N	N	N	50	70

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-2--Continued						
8SA012M	<2	N	N	15	500	10	700	N	50	15	30
8SA013M	2	N	N	20	300	15	2,000	N	50	50	70
8SA013M	10	N	N	15	300	<10	1,000	N	1,500	20	70
8SA014M	3	N	N	70	1,000	30	100	N	700	15	70
8SA015M	<2	N	N	200	1,500	50	700	N	200	<10	30
8SA016M	<2	N	N	50	2,000	20	>2,000	N	200	<10	50
8SM001M	2	N	N	50	500	20	300	N	100	50	70
8SM002M	2	N	N	50	300	10	>2,000	N	70	30	150
8SM004M	<2	N	N	20	200	20	1,000	N	<50	<10	30
8SM005M	<2	N	N	50	700	10	>2,000	15	50	50	150
					C-3--Continued						
8CC006M	N	N	N	20	300	15	50	N	<50	50	20
8CC028M	N	N	N	20	700	20	500	N	<50	10	70
8CG001M	N	N	N	20	1,000	30	2,000	N	300	50	200
8CG002M	N	N	N	50	200	30	1,000	N	50	20	30
8CG003M	N	N	N	50	150	70	500	N	200	20	30
8CG004M	15	N	N	30	500	200	>2,000	N	>5,000	150	300
8CG005M	N	N	N	20	150	10	300	N	100	20	30
8CG007M	10	N	N	50	500	100	>2,000	N	>5,000	200	300
8CG008M	N	N	N	100	700	30	>2,000	N	700	150	150
8CG009M	N	N	N	100	500	30	>2,000	N	1,000	150	150
8CG010M	N	N	N	50	500	70	700	N	70	150	50
8CG011M	N	N	N	150	700	30	1,500	N	100	50	50
8CG012M	N	N	N	50	500	20	1,000	N	50	150	30
8CG013M	2	N	N	30	700	20	>2,000	N	700	100	300
8CG014M	N	N	N	30	200	20	>2,000	N	150	50	70
8CG015M	N	N	N	30	700	20	>2,000	N	150	50	70
8CG016M	N	N	N	20	150	15	2,000	N	200	10	100
8CG017M	N	N	N	20	50	20	300	N	N	N	20
8CG018M	N	N	N	30	500	10	500	N	N	30	20
8CG019M	N	N	N	15	70	10	1,000	N	50	20	50
8CG020M	N	N	N	70	300	30	500	N	100	100	20
8CG021M	N	N	N	100	300	50	2,000	N	50	30	30
8CG022M	N	N	N	100	200	200	1,000	N	70	20	30
8CG023M	N	N	N	200	700	70	>2,000	N	50	50	50
8CG024M	N	N	N	100	300	30	1,000	N	1,500	20	30
8CG025M	15	N	N	30	150	50	2,000	N	>5,000	50	150
8CG026M	N	N	N	300	1,000	100	2,000	N	3,000	30	70
8CG027M	N	N	N	300	2,000	50	1,000	N	70	20	50
8CG028M	N	N	N	100	200	30	1,000	N	100	10	50
8CG029M	N	N	N	30	200	20	1,000	N	N	10	30

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-2--Continued					
8SA012M	N	100	15	1,500	500	N	100	N	500	<200
8SA013M	N	100	N	1,000	300	N	200	N	700	300
8SA013M	N	100	20	1,500	500	N	500	N	>2,000	<200
8SA014M	N	50	N	700	200	N	300	500	1,000	N
8SA015M	N	30	N	700	200	N	200	700	500	N
8SA016M	N	50	N	700	200	N	500	700	300	500
8SM001M	N	70	N	500	300	N	150	N	200	N
8SM002M	N	200	N	700	200	N	500	500	700	1,000
8SM004M	N	70	N	1,000	500	N	100	N	500	<200
8SM005M	N	200	N	1,000	500	N	500	N	300	500
					C-3--Continued					
8CC006M	N	50	N	2,000	500	N	50	N	700	N
8CC028M	N	100	N	1,500	1,000	N	200	N	2,000	N
8CG001M	N	150	50	2,000	1,000	N	500	N	>2,000	200
8CG002M	N	100	N	2,000	1,000	N	100	N	>2,000	N
8CG003M	N	100	700	3,000	1,000	N	70	N	1,000	N
8CG004M	500	200	500	700	500	N	3,000	N	>2,000	5,000
8CG005M	N	100	N	1,000	1,000	N	150	N	>2,000	<200
8CG007M	200	10	700	700	700	N	3,000	N	>2,000	>5,000
8CG008M	N	100	20	1,500	1,000	N	500	N	>2,000	1,000
8CG009M	N	150	70	1,000	700	N	1,000	N	>2,000	700
8CG010M	N	150	N	1,000	1,000	N	150	N	>2,000	<200
8CG011M	N	150	100	1,500	1,000	N	200	N	>2,000	200
8CG012M	N	100	<20	1,500	1,000	N	150	N	>2,000	200
8CG013M	N	200	50	2,000	700	N	1,500	N	>2,000	1,500
8CG014M	N	200	N	1,000	1,000	N	1,000	N	>2,000	1,000
8CG015M	N	200	30	1,500	1,000	N	1,000	N	>2,000	1,000
8CG016M	N	>200	30	2,000	1,000	N	500	N	>2,000	200
8CG017M	N	>200	20	1,500	1,000	N	500	N	>2,000	N
8CG018M	N	100	N	2,000	1,000	N	100	N	200	N
8CG019M	N	200	N	2,000	1,000	N	200	N	>2,000	N
8CG020M	N	150	N	1,500	1,000	N	700	N	700	200
8CG021M	N	200	N	3,000	1,000	N	700	N	1,500	200
8CG022M	N	100	N	3,000	1,000	N	100	N	1,000	N
8CG023M	N	150	70	3,000	1,500	N	150	N	1,000	200
8CG024M	N	70	200	2,000	1,000	N	700	N	2,000	200
8CG025M	N	150	2,000	700	1,000	N	3,000	500	>2,000	5,000
8CG026M	N	100	700	2,000	1,000	N	1,500	N	>2,000	300
8CG027M	N	100	N	2,000	1,500	N	150	N	>2,000	<200
8CG028M	N	100	N	2,000	1,500	N	150	N	1,500	<200
8CG029M	N	150	N	3,000	1,500	N	100	N	500	200

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-3--Continued							
8CG030M	35 34 37	80 30 5	20.00	.70	20.00	2.000	3,000	N	N	N	50	100
8CG031M	35 35 37	80 31 54	20.00	.70	30.00	>2.000	5,000	N	N	N	100	100
8CG032M	35 35 13	80 32 42	20.00	.20	20.00	>2.000	3,000	N	N	N	500	70
8CG033M	35 35 58	80 32 5	20.00	.50	20.00	>2.000	3,000	N	N	N	150	100
8CG034M	35 36 53	80 33 11	20.00	1.50	20.00	1.000	3,000	N	N	N	N	N
8CG035M	35 37 21	80 30 56	20.00	1.50	30.00	2.000	3,000	N	N	N	200	150
8CG036M	35 33 56	80 30 3	30.00	.50	15.00	2.000	10,000	N	N	N	50	100
8EN011M	35 33 4	80 43 13	10.00	1.50	3.00	1.000	2,000	N	N	N	30	N
8EN012M	35 33 58	80 41 56	10.00	.15	3.00	1.500	1,500	N	N	N	30	50
8EN013M	35 36 21	80 43 25	5.00	1.00	3.00	>2.000	1,000	N	N	N	100	200
8EN014M	35 36 12	80 43 22	7.00	1.50	5.00	1.000	2,000	N	N	N	200	<50
8EN015M	35 37 21	80 42 40	7.00	1.50	5.00	1.000	2,000	N	N	N	150	<50
8EN016M	35 37 19	80 42 27	7.00	1.50	5.00	.700	2,000	N	N	N	1,000	<50
8EN017M	35 35 37	80 40 52	10.00	2.00	5.00	1.000	1,500	N	N	N	100	N
8EN018M	35 32 23	80 38 7	10.00	.15	3.00	1.500	1,500	N	N	N	200	<50
8EN019M	35 33 11	80 39 29	3.00	.50	3.00	>2.000	700	N	N	N	<20	50
8EN020M	35 33 7	80 39 30	7.00	.70	3.00	2.000	1,500	N	N	N	20	70
8EN021M	35 33 12	80 39 23	20.00	.70	2.00	2.000	1,000	N	N	N	50	100
8EN022M	35 33 45	80 40 4	3.00	.30	3.00	>2.000	700	N	N	N	20	70
8EN023M	35 35 30	80 42 53	7.00	.30	5.00	.700	2,000	N	N	N	20	50
8EN024M	35 36 7	80 42 55	7.00	1.00	5.00	.300	2,000	N	N	N	70	<50
8EN025M	35 36 38	80 40 18	10.00	.50	5.00	1.000	2,000	N	N	N	70	<50
8EN026M	35 37 18	80 39 48	7.00	.50	5.00	.500	2,000	N	N	N	50	<50
8EN027M	35 35 35	80 39 58	5.00	1.00	3.00	1.000	1,000	N	N	N	50	<50
8EN028M	35 35 12	80 39 50	20.00	.20	2.00	1.000	700	N	N	N	50	50
8EN029M	35 36 42	80 38 54	7.00	.20	3.00	.300	2,000	N	N	N	200	100
8EN030M	35 35 4	80 37 34	7.00	.50	2.00	1.000	1,500	N	N	N	100	<50
8RM001M	35 38 22	80 30 12	7.00	.20	5.00	1.000	1,000	N	N	N	20	100
8RM002M	35 39 24	80 30 59	7.00	.30	5.00	1.500	1,500	N	N	N	<20	50
8RM003M	35 40 10	80 31 49	7.00	2.00	5.00	1.000	1,500	N	N	N	700	50
8RM004M	35 40 16	80 31 46	7.00	1.50	3.00	.700	1,500	N	N	N	700	<50
8RM005M	35 38 21	80 33 55	10.00	1.50	5.00	.500	1,500	N	N	N	30	N
8RM006M	35 37 46	80 33 40	10.00	.70	5.00	.300	2,000	N	N	N	500	N
8RM007M	35 37 54	80 35 22	15.00	1.50	5.00	.700	2,000	N	N	N	70	N
8RM008M	35 37 58	80 35 23	10.00	.70	3.00	1.000	2,000	N	N	N	500	<50
8RM009M	35 37 33	80 36 20	7.00	.30	5.00	.500	1,500	N	N	N	500	N
8RM010M	35 40 6	80 33 39	20.00	2.00	2.00	>2.000	5,000	N	N	N	<20	N
8RM011M	35 42 51	80 34 41	7.00	3.00	3.00	.700	1,500	N	N	N	<20	N
8RM012M	35 42 50	80 34 27	10.00	5.00	5.00	.500	1,500	N	N	N	<20	N
8RM013M	35 41 29	80 32 5	10.00	1.00	5.00	.500	2,000	N	N	N	<20	N
8RM014M	35 40 49	80 31 2	15.00	2.00	2.00	1.500	5,000	N	N	N	<20	N
8RM015M	35 40 15	80 33 32	7.00	3.00	3.00	1.000	1,000	N	N	N	30	N
8RM016M	35 40 58	80 36 29	10.00	1.50	5.00	.500	1,500	N	N	N	700	N
8RM017M	35 41 54	80 35 45	10.00	3.00	5.00	.700	1,500	N	N	N	20	N
8RM018M	35 42 3	80 30 26	10.00	2.00	5.00	.700	1,500	N	N	N	<20	<50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-3--Continued						
8CG030M	N	N	N	50	1,000	50	1,500	N	200	N	30
8CG031M	N	N	N	70	300	30	300	N	1,000	N	30
8CG032M	N	N	N	10	200	10	500	N	N	N	30
8CG033M	N	N	N	15	300	10	1,000	N	N	N	30
8CG034M	N	N	N	15	200	15	700	N	100	20	20
8CG035M	N	N	N	15	200	10	700	N	N	N	30
8CG036M	N	N	N	30	300	200	1,000	N	>5,000	50	150
8EN011M	N	N	N	20	200	15	1,000	10	100	30	100
8EN012M	3	N	N	15	150	15	2,000	10	150	10	150
8EN013M	5	N	N	20	500	15	1,000	15	150	30	150
8EN014M	N	N	N	20	200	15	500	10	<50	50	50
8EN015M	N	N	N	30	100	10	500	N	N	20	30
8EN016M	N	N	N	20	200	10	300	N	50	50	<20
8EN017M	<2	N	N	20	50	20	1,500	<10	150	10	70
8EN018M	2	N	N	15	30	15	1,000	N	200	10	150
8EN019M	N	N	N	15	30	15	1,000	20	200	10	30
8EN020M	7	N	N	20	50	10	2,000	N	200	10	100
8EN021M	3	N	N	30	1,000	30	2,000	N	500	20	100
8EN022M	N	N	N	15	20	10	1,000	20	200	10	20
8EN023M	N	N	N	15	50	10	500	N	50	10	50
8EN024M	N	N	N	30	70	15	700	N	N	15	50
8EN025M	N	N	N	15	50	10	300	10	N	10	30
8EN026M	N	N	N	10	50	20	1,500	N	N	10	50
8EN027M	<2	N	N	10	100	15	700	N	150	20	70
8EN028M	2	N	N	50	150	10	2,000	N	100	15	50
8EN029M	N	N	N	10	150	20	1,000	N	500	10	50
8EN030M	<2	N	N	15	150	15	>2,000	N	500	20	150
8RM001M	N	N	N	10	70	15	500	N	N	<10	100
8RM002M	N	N	N	20	70	20	300	N	<50	10	20
8RM003M	<2	N	N	50	200	15	200	N	70	50	30
8RM004M	<2	N	N	50	100	100	2,000	N	200	50	100
8RM005M	N	N	N	30	200	20	700	N	100	30	20
8RM006M	N	N	N	20	100	15	700	N	50	10	20
8RM007M	N	N	N	50	100	50	150	N	200	10	20
8RM008M	N	N	N	100	100	30	>2,000	N	<50	15	70
8RM009M	N	N	N	30	70	15	1,500	N	150	10	30
8RM010M	N	N	N	100	70	50	200	N	<50	20	20
8RM011M	N	N	N	50	200	10	2,000	N	50	100	70
8RM012M	3	N	N	50	200	15	1,500	N	50	100	100
8RM013M	N	N	N	10	100	10	1,500	N	100	20	100
8RM014M	N	N	N	30	70	10	300	N	<50	15	50
8RM015M	<2	N	N	30	150	15	500	N	150	100	50
8RM016M	N	N	N	50	150	15	200	N	N	30	20
8RM017M	N	N	N	50	300	15	700	N	N	100	20
8RM018M	2	N	N	20	200	15	300	N	N	70	70

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-3--Continued					
8CG030M	N	70	N	2,000	1,000	N	70	N	1,000	200
8CG031M	N	100	N	2,000	1,000	N	100	N	500	N
8CG032M	N	70	N	2,000	1,000	N	70	N	500	N
8CG033M	N	100	N	2,000	1,000	N	70	N	1,500	200
8CG034M	N	100	N	2,000	1,000	N	50	N	300	<200
8CG035M	N	50	N	2,000	700	N	50	N	300	N
8CG036M	N	>200	200	700	500	N	2,000	N	>2,000	700
8EN011M	N	70	<20	1,500	200	N	200	N	>2,000	200
8EN012M	N	50	<20	1,500	200	N	200	N	>2,000	500
8EN013M	N	50	20	1,500	300	N	200	N	>2,000	300
8EN014M	N	50	N	1,000	300	N	150	N	>2,000	300
8EN015M	N	70	N	1,000	300	N	100	N	>2,000	N
8EN016M	N	70	N	500	200	N	100	N	>2,000	N
8EN017M	N	70	<20	1,500	200	N	200	N	>2,000	300
8EN018M	N	100	N	1,500	200	N	200	N	>2,000	700
8EN019M	N	15	30	500	300	N	300	N	1,000	300
8EN020M	N	30	20	1,500	300	N	300	N	>2,000	5,000
8EN021M	N	30	20	700	300	N	300	N	>2,000	1,000
8EN022M	N	10	20	500	500	N	300	N	700	200
8EN023M	N	100	N	1,000	500	N	200	N	2,000	200
8EN024M	N	100	N	1,000	300	N	200	N	>2,000	300
8EN025M	N	70	N	1,000	500	N	150	N	2,000	N
8EN026M	N	100	N	700	500	N	300	N	>2,000	700
8EN027M	N	50	N	1,500	300	N	300	1,500	>2,000	200
8EN028M	N	70	N	1,000	500	N	200	N	>2,000	500
8EN029M	N	100	N	500	500	N	500	N	>2,000	300
8EN030M	N	70	N	1,500	200	N	500	1,000	>2,000	1,000
8RM001M	N	20	N	1,000	300	N	70	N	2,000	200
8RM002M	N	50	N	700	300	N	70	N	>2,000	<200
8RM003M	N	70	N	1,000	300	N	100	N	>2,000	200
8RM004M	N	10	N	1,000	300	N	300	N	>2,000	1,500
8RM005M	N	70	N	700	500	N	50	N	>2,000	200
8RM006M	N	100	N	700	500	N	100	N	>2,000	300
8RM007M	N	100	N	700	700	N	70	N	2,000	<200
8RM008M	N	70	N	500	500	N	200	N	>2,000	500
8RM009M	N	70	N	500	500	N	200	N	>2,000	700
8RM010M	N	30	N	200	700	N	50	N	1,000	N
8RM011M	N	50	N	1,000	300	N	200	N	>2,000	2,000
8RM012M	N	50	N	1,500	200	N	150	N	>2,000	700
8RM013M	N	100	N	1,500	300	N	150	N	>2,000	500
8RM014M	N	50	N	700	200	N	150	N	>2,000	200
8RM015M	N	70	100	1,000	200	N	200	N	>2,000	700
8RM016M	N	70	N	700	500	N	150	N	>2,000	N
8RM017M	N	70	N	700	300	N	100	N	>2,000	200
8RM018M	N	70	N	2,000	300	N	70	N	>2,000	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-3--Continued							
8RM019M	35 42 8	80 30 19	15.00	5.00	5.00	.500	1,500	N	N	N	<20	70
8RM020M	35 44 40	80 30 27	7.00	7.00	5.00	1.000	1,000	N	N	N	<20	100
8RM021M	35 44 5	80 31 2	7.00	7.00	5.00	1.500	1,000	N	N	N	<20	100
8RM022M	35 44 16	80 32 44	15.00	.30	7.00	.300	1,500	N	N	N	20	N
8RM023M	35 43 49	80 33 52	15.00	.50	7.00	.500	1,500	N	N	N	20	N
8RM024M	35 44 9	80 33 27	7.00	2.00	5.00	1.500	1,000	N	N	N	<20	50
8RM025M	35 43 35	80 34 25	7.00	3.00	5.00	.700	1,500	N	N	N	30	N
8RM026M	35 43 33	80 35 44	10.00	1.50	5.00	1.000	1,500	N	N	N	20	N
8RM027M	35 44 24	80 34 17	10.00	1.50	7.00	1.000	1,500	N	N	N	<20	N
8RM028M	35 44 45	80 36 18	10.00	.70	5.00	1.000	1,000	N	N	N	<20	N
8RM029M	35 43 13	80 36 44	10.00	2.00	5.00	1.000	1,000	N	N	N	<20	N
9CD001M	35 42 48	80 37 54	15.00	2.00	20.00	1.000	3,000	N	N	N	70	50
9CD002M	35 42 46	80 38 23	15.00	1.50	20.00	1.000	3,000	N	N	N	20	<50
9CD003M	35 39 59	80 37 31	20.00	5.00	20.00	1.000	5,000	N	N	N	500	50
9CD004M	35 40 0	80 37 34	15.00	.30	20.00	.700	5,000	N	N	N	200	N
9CD005M	35 38 50	80 37 41	15.00	.30	20.00	.500	5,000	N	N	N	300	N
9CD006M	35 38 54	80 38 49	20.00	1.50	20.00	1.000	5,000	N	N	N	100	<50
9CD007M	35 39 2	80 40 57	15.00	1.50	20.00	>2.000	3,000	N	N	N	1,000	150
9CD008M	35 39 58	80 41 12	15.00	2.00	15.00	>2.000	3,000	N	N	N	50	200
9CD009M	35 42 10	80 40 5	15.00	3.00	20.00	1.000	5,000	N	N	N	1,000	50
9CD010M	35 42 11	80 39 45	15.00	5.00	20.00	1.000	3,000	N	N	N	200	N
9CD011M	35 42 41	80 40 49	15.00	1.50	20.00	.700	5,000	N	N	N	1,000	N
9CD012M	35 42 25	80 41 2	15.00	2.00	20.00	>2.000	5,000	N	N	N	700	50
9CD013M	35 41 33	80 42 13	10.00	1.00	20.00	2.000	5,000	N	N	N	2,000	50
9CD014M	35 40 49	80 42 52	7.00	2.00	20.00	>2.000	3,000	N	N	N	70	100
9CD015M	35 41 32	80 44 21	10.00	2.00	20.00	>2.000	3,000	N	N	N	50	70
9CD016M	35 38 57	80 41 0	15.00	1.50	30.00	1.000	7,000	N	N	N	1,500	50
9CD017M	35 38 49	80 43 32	10.00	2.00	20.00	>2.000	2,000	N	N	N	70	150
9CD018M	35 37 34	80 42 51	15.00	2.00	20.00	>2.000	2,000	N	N	N	20	150
9CD019M	35 44 18	80 39 29	10.00	1.50	20.00	1.000	2,000	N	N	N	30	N
9CD020M	35 44 17	80 42 28	10.00	3.00	20.00	>2.000	7,000	N	N	N	200	50
9CD021M	35 42 58	80 42 25	15.00	2.00	20.00	>2.000	5,000	N	N	N	1,000	70
9CD022M	35 42 57	80 42 25	10.00	5.00	15.00	>2.000	3,000	N	N	N	150	N
9CD023M	35 43 9	80 44 40	10.00	.15	20.00	>2.000	3,000	N	N	N	20	N
9CD024M	35 38 25	80 44 39	10.00	7.00	10.00	>2.000	2,000	N	N	N	20	100
					C-4							
8CU025M	35 30 18	80 49 53	5.00	2.00	7.00	.100	1,000	N	N	N	50	<50
8LN001M	35 35 32	80 54 1	10.00	.05	5.00	.200	3,000	N	N	N	20	N
8LN002M	35 34 13	80 54 53	10.00	.05	5.00	.100	3,000	N	N	N	<20	N
8LN003M	35 33 29	80 54 11	10.00	.05	5.00	.100	3,000	N	N	N	20	N
8LN004M	35 36 30	80 54 0	10.00	.05	5.00	.150	3,000	N	N	N	<20	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-3--Continued						
8RM019M	7	N	N	50	200	15	150	N	N	100	70
8RM020M	3	N	N	50	200	10	200	N	50	200	20
8RM021M	3	N	N	50	200	10	500	N	50	200	20
8RM022M	N	N	N	N	100	10	500	N	N	10	150
8RM023M	2	N	N	<10	150	10	500	N	N	15	200
8RM024M	2	N	N	20	150	10	700	10	100	100	100
8RM025M	<2	N	N	50	200	10	1,500	N	100	150	50
8RM026M	N	N	N	30	150	20	1,500	N	N	30	20
8RM027M	N	N	N	30	200	20	300	N	N	30	20
8RM028M	N	N	N	10	100	20	1,000	N	200	15	50
8RM029M	N	N	N	30	200	20	700	N	N	50	30
9CD001M	N	N	N	30	200	30	1,000	N	N	30	<20
9CD002M	N	N	N	20	150	20	2,000	N	N	20	<20
9CD003M	N	N	N	200	200	30	>2,000	N	N	30	20
9CD004M	N	N	N	15	70	<10	500	N	<50	<10	20
9CD005M	N	N	N	15	100	10	500	N	100	<10	30
9CD006M	N	N	N	10	150	<10	300	N	50	10	20
9CD007M	N	N	N	30	150	<10	700	10	70	20	50
9CD008M	2	N	N	20	300	N	2,000	20	150	20	100
9CD009M	N	N	N	50	100	10	1,000	N	<50	30	<20
9CD010M	N	N	N	50	300	10	1,000	N	N	30	<20
9CD011M	N	N	N	7	100	<10	1,500	N	N	10	20
9CD012M	N	N	N	20	150	N	2,000	N	<50	20	30
9CD013M	N	N	N	30	100	70	>2,000	N	N	20	100
9CD014M	N	N	N	30	200	<10	1,000	15	100	30	50
9CD015M	N	N	N	20	200	<10	>2,000	10	100	20	70
9CD016M	N	N	N	50	100	10	500	N	100	<10	30
9CD017M	2	N	N	30	700	<10	>2,000	20	200	20	100
9CD018M	3	N	N	30	500	<10	2,000	20	100	30	200
9CD019M	N	N	N	10	70	10	700	N	N	<10	700
9CD020M	N	N	N	50	200	<10	>2,000	N	<50	10	70
9CD021M	N	N	N	20	150	<10	1,000	<10	50	30	70
9CD022M	N	N	N	50	500	10	>2,000	N	N	50	50
9CD023M	N	N	N	10	100	N	2,000	10	50	<10	70
9CD024M	3	N	N	50	300	<10	1,000	20	150	100	100
					C-4--Continued						
8CU025M	N	N	N	20	200	20	300	N	N	50	<20
8LN001M	N	N	N	N	70	N	200	N	<50	N	50
8LN002M	N	N	N	N	20	N	300	N	<50	N	30
8LN003M	N	N	N	N	50	N	300	N	<50	N	20
8LN004M	N	N	N	N	70	N	150	N	<50	N	30

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-3--Continued					
8RM019M	N	50	N	1,500	500	N	50	N	>2,000	N
8RM020M	N	20	N	700	150	N	70	N	>2,000	N
8RM021M	N	20	N	700	200	N	100	N	>2,000	200
8RM022M	N	150	N	2,000	500	N	50	N	1,000	N
8RM023M	N	100	N	3,000	500	N	70	N	1,500	200
8RM024M	N	70	N	2,000	300	N	150	N	>2,000	200
8RM025M	N	50	N	1,000	200	N	200	N	>2,000	1,000
8RM026M	N	30	N	1,000	200	N	150	N	>2,000	300
8RM027M	N	50	N	1,000	500	N	50	N	>2,000	N
8RM028M	N	50	N	1,500	300	N	100	N	>2,000	500
8RM029M	N	30	50	1,000	500	N	50	N	2,000	N
9CD001M	N	70	N	3,000	700	N	100	N	700	N
9CD002M	N	70	N	2,000	700	N	100	N	>2,000	<200
9CD003M	N	100	N	1,000	1,000	N	200	N	>2,000	300
9CD004M	N	200	N	1,500	1,000	N	200	N	>2,000	<200
9CD005M	N	200	N	1,500	1,000	N	200	N	>2,000	300
9CD006M	N	200	N	1,500	1,000	N	150	N	>2,000	N
9CD007M	N	100	N	1,500	700	N	200	N	>2,000	200
9CD008M	N	100	50	2,000	500	N	300	N	>2,000	500
9CD009M	N	100	N	1,500	700	N	150	N	>2,000	200
9CD010M	N	70	N	2,000	700	N	70	N	>2,000	<200
9CD011M	N	100	N	2,000	700	N	200	N	>2,000	300
9CD012M	N	150	<20	2,000	700	N	200	N	>2,000	200
9CD013M	N	150	N	2,000	700	N	1,000	N	>2,000	1,500
9CD014M	N	100	30	3,000	700	N	300	N	1,500	N
9CD015M	N	150	30	3,000	500	N	700	N	>2,000	1,000
9CD016M	N	200	N	1,000	1,000	N	150	N	>2,000	300
9CD017M	N	100	50	2,000	700	N	500	N	>2,000	500
9CD018M	N	100	50	3,000	700	N	500	N	>2,000	300
9CD019M	N	50	N	2,000	700	N	50	N	500	N
9CD020M	N	150	N	1,500	700	N	500	N	>2,000	700
9CD021M	N	150	N	2,000	700	N	200	N	>2,000	300
9CD022M	N	100	N	1,000	500	N	300	N	>2,000	700
9CD023M	N	200	N	3,000	700	N	500	N	2,000	300
9CD024M	N	50	50	2,000	500	N	300	N	>2,000	200
					C-4--Continued					
8CU025M	N	30	N	500	200	N	50	N	>2,000	<200
8LN001M	N	100	<20	1,000	500	N	100	N	>2,000	<200
8LN002M	N	100	<20	1,000	700	N	150	N	>2,000	N
8LN003M	N	70	N	1,000	700	N	150	N	1,000	N
8LN004M	N	70	N	1,000	500	N	70	N	1,000	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-4--Continued							
8TM001M	35 39 47	80 53 10	10.00	.50	10.00	1.000	2,000	N	N	N	20	N
8TM003M	35 40 55	80 53 8	7.00	.30	10.00	.300	2,000	N	N	N	700	N
8TM005M	35 40 49	80 54 59	5.00	.20	.50	2.000	1,000	N	N	N	500	N
8TM006M	35 41 23	80 56 31	3.00	.30	1.00	1.500	1,500	N	N	N	70	N
8TM007M	35 41 18	80 56 40	5.00	.30	5.00	1.000	1,500	N	N	N	150	50
8TM008M	35 42 18	80 55 36	2.00	.50	5.00	>2.000	1,000	N	N	N	500	100
8TM009M	35 44 14	80 53 53	7.00	.50	7.00	1.000	1,500	N	N	N	150	50
9SE001M	35 37 30	80 45 50	15.00	.70	10.00	>2.000	3,000	N	N	N	100	70
9SE002M	35 37 32	80 45 50	20.00	.15	10.00	>2.000	2,000	N	N	N	50	70
9SE003M	35 39 41	80 45 36	15.00	.30	10.00	>2.000	3,000	N	N	N	100	70
9SE004M	35 40 3	80 46 37	15.00	.30	10.00	>2.000	3,000	N	N	N	150	50
9SE005M	35 42 35	80 46 38	15.00	.15	15.00	1.500	3,000	N	N	N	20	<50
9SE006M	35 44 2	80 46 38	15.00	2.00	7.00	2.000	3,000	N	N	N	30	<50
9SE007M	35 44 8	80 46 51	10.00	1.00	10.00	.500	3,000	N	N	N	50	N
9SE008M	35 43 54	80 45 16	10.00	1.50	10.00	>2.000	3,000	N	N	N	100	50
9SE009M	35 40 17	80 46 44	10.00	.20	10.00	>2.000	3,000	N	N	N	200	<50
9SE010M	35 40 28	80 47 30	20.00	.20	15.00	1.500	5,000	N	N	N	150	N
9SE011M	35 39 7	80 47 55	15.00	.50	10.00	>2.000	5,000	N	N	N	150	100
9SE012M	35 44 12	80 48 20	10.00	.30	7.00	.700	5,000	N	N	N	100	<50
9SE013M	35 43 57	80 48 18	10.00	.50	7.00	.700	5,000	N	N	N	20	<50
9SE014M	35 39 42	80 48 38	15.00	1.00	10.00	1.500	5,000	N	N	N	20	N
9SE015M	35 40 0	80 48 50	15.00	1.00	10.00	1.000	5,000	N	N	N	20	<50
9SE016M	35 39 7	80 49 9	10.00	.50	7.00	2.000	5,000	N	N	N	200	50
9SE017M	35 39 25	80 49 59	15.00	1.00	10.00	1.500	5,000	N	N	N	20	N
9SE018M	35 38 27	80 51 29	20.00	.50	15.00	.500	5,000	N	N	N	<20	N
9SE019M	35 38 23	80 52 1	15.00	.20	10.00	1.000	3,000	N	N	N	30	<50
9SE020M	35 41 53	80 52 0	7.00	.30	7.00	1.000	3,000	N	N	N	30	N
9SE021M	35 42 19	80 52 0	10.00	1.00	10.00	.700	3,000	N	N	N	2,000	N
9SE022M	35 40 45	80 49 54	10.00	.20	10.00	.700	3,000	N	N	N	150	N
9SE023M	35 44 11	80 51 38	10.00	1.00	10.00	1.000	3,000	N	N	N	700	50
9SE024M	35 42 58	80 51 3	15.00	.70	15.00	.700	3,000	N	N	N	700	N
9SE025M	35 44 17	80 49 50	20.00	1.00	20.00	.700	5,000	N	N	N	500	N
					C-5							
9CA001M	35 43 34	81 6 44	20.00	1.50	5.00	.200	1,500	N	N	N	30	N
9CA002M	35 43 19	81 6 15	10.00	.70	7.00	.150	2,000	N	N	N	20	N
9CA003M	35 43 10	81 6 58	5.00	.70	2.00	1.000	1,000	N	N	N	30	N
9CA004M	35 43 9	81 5 28	5.00	1.00	1.00	.500	1,000	N	N	N	200	N
9CA005M	35 41 10	81 1 2	7.00	1.00	1.00	1.500	1,500	N	N	50	1,500	N
9CA006M	35 39 8	81 0 55	10.00	1.50	2.00	1.000	1,000	N	N	N	2,000	N
9CA007M	35 40 49	81 4 36	15.00	1.00	<.10	.500	1,500	N	N	N	200	N
9CA008M	35 39 47	81 6 1	7.00	.70	<.10	.300	1,500	N	N	N	1,000	N
9DR002M	35 33 2	81 4 47	10.00	1.00	.15	1.500	1,500	N	N	N	700	N
9DR003M	35 32 9	81 3 14	7.00	.50	1.00	2.000	1,000	N	N	N	1,000	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-4--Continued						
8TM001M	N	N	N	30	200	15	>2,000	N	500	15	100
8TM003M	N	N	N	30	150	15	>2,000	N	N	N	200
8TM005M	5	N	N	70	70	30	>2,000	N	200	20	200
8TM006M	N	N	N	50	100	30	>2,000	N	100	10	300
8TM007M	N	N	N	30	100	30	>2,000	N	<50	10	300
8TM008M	N	N	N	30	100	20	>2,000	N	100	20	300
8TM009M	N	N	N	70	100	20	>2,000	N	70	20	300
9SE001M	N	N	N	30	2,000	15	2,000	20	200	50	200
9SE002M	N	N	N	20	300	10	2,000	15	70	10	200
9SE003M	N	N	N	30	700	10	>2,000	20	100	20	100
9SE004M	N	N	N	30	500	10	>2,000	N	70	20	200
9SE005M	N	N	N	N	300	<10	>2,000	N	N	<10	100
9SE006M	N	N	N	30	500	20	2,000	N	N	50	30
9SE007M	N	N	N	20	500	15	>2,000	N	150	30	70
9SE008M	N	N	N	30	700	15	>2,000	N	N	30	50
9SE009M	N	N	N	30	300	10	>2,000	N	70	<10	200
9SE010M	N	N	N	20	3,000	10	>2,000	N	50	20	200
9SE011M	N	N	N	30	200	<10	>2,000	N	100	20	150
9SE012M	<2	N	N	30	500	30	>2,000	N	200	10	300
9SE013M	N	N	N	30	100	N	>2,000	N	70	10	300
9SE014M	N	N	N	20	200	10	>2,000	N	N	15	200
9SE015M	N	N	N	50	200	10	>2,000	N	150	15	200
9SE016M	N	N	N	30	200	N	>2,000	N	N	10	300
9SE017M	N	N	N	20	150	<10	>2,000	N	50	15	200
9SE018M	N	N	N	N	100	<10	>2,000	N	N	10	50
9SE019M	N	N	N	50	200	50	>2,000	N	300	30	200
9SE020M	N	N	N	30	100	N	>2,000	N	500	<10	300
9SE021M	N	N	N	30	300	N	>2,000	N	N	20	300
9SE022M	N	N	N	30	200	N	>2,000	N	150	<10	300
9SE023M	N	N	N	30	200	20	>2,000	N	N	10	300
9SE024M	N	N	N	30	200	N	>2,000	N	N	10	200
9SE025M	N	N	N	20	200	20	>2,000	N	N	10	150
					C-5--Continued						
9CA001M	10	N	N	500	200	200	1,000	N	N	100	30
9CA002M	N	N	N	100	500	50	2,000	N	N	15	30
9CA003M	N	N	N	100	150	50	>2,000	N	150	50	100
9CA004M	15	N	N	50	200	15	2,000	N	150	20	30
9CA005M	10	N	N	150	150	70	2,000	N	500	70	30
9CA006M	7	N	N	100	200	70	2,000	N	200	70	50
9CA007M	20	N	N	30	200	10	N	N	N	15	N
9CA008M	20	N	N	20	150	<10	100	N	50	15	<20
9DR002M	20	N	N	50	200	10	>2,000	N	200	50	200
9DR003M	15	N	N	30	150	<10	>2,000	N	300	20	200

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-4--Continued					
8TM001M	N	10	30	700	300	N	1,000	N	2,000	3,000
8TM003M	N	10	20	1,000	300	N	3,000	500	700	>5,000
8TM005M	N	10	50	500	200	N	3,000	500	1,000	>5,000
8TM006M	N	10	30	1,000	300	N	5,000	500	1,500	>5,000
8TM007M	N	10	20	2,000	300	N	5,000	500	>2,000	>5,000
8TM008M	N	10	30	1,000	300	N	5,000	500	>2,000	>5,000
8TM009M	N	10	30	1,500	300	N	5,000	500	2,000	>5,000
9SE001M	N	100	50	5,000	500	N	700	N	2,000	300
9SE002M	N	200	30	5,000	700	N	300	N	>2,000	200
9SE003M	N	100	50	3,000	500	N	500	N	>2,000	300
9SE004M	N	100	30	3,000	500	N	1,000	N	>2,000	2,000
9SE005M	N	200	20	3,000	700	N	300	N	2,000	1,000
9SE006M	N	70	N	2,000	700	N	200	N	500	700
9SE007M	N	100	20	1,500	700	N	1,500	N	2,000	1,500
9SE008M	N	70	20	3,000	500	N	1,500	N	>2,000	1,500
9SE009M	N	70	30	3,000	500	N	2,000	N	>2,000	3,000
9SE010M	N	150	30	5,000	700	N	1,000	N	2,000	2,000
9SE011M	N	200	30	5,000	700	N	500	N	>2,000	500
9SE012M	N	50	50	1,000	300	N	5,000	700	>2,000	>5,000
9SE013M	N	50	70	1,500	500	N	3,000	500	500	>5,000
9SE014M	N	70	30	2,000	500	N	1,500	<500	2,000	3,000
9SE015M	N	100	70	3,000	700	N	3,000	500	1,000	5,000
9SE016M	N	50	30	2,000	500	N	5,000	500	1,000	>5,000
9SE017M	N	70	30	2,000	500	N	5,000	<500	>2,000	5,000
9SE018M	N	>200	20	1,500	700	N	500	N	>2,000	300
9SE019M	N	70	50	1,000	700	N	5,000	N	>2,000	5,000
9SE020M	N	70	100	500	300	N	5,000	700	2,000	>5,000
9SE021M	N	70	30	500	500	N	5,000	700	1,500	>5,000
9SE022M	N	50	30	500	500	N	3,000	500	2,000	>5,000
9SE023M	N	50	30	500	500	N	5,000	700	1,000	>5,000
9SE024M	N	70	30	1,000	700	N	5,000	500	1,500	>5,000
9SE025M	N	150	30	1,000	700	N	1,500	N	1,500	2,000
					C-5--Continued					
9CA001M	N	70	N	200	500	N	100	N	700	200
9CA002M	N	70	N	200	300	N	300	N	200	500
9CA003M	N	10	<20	<200	150	N	1,000	N	700	3,000
9CA004M	N	100	20	200	200	N	200	3,000	200	700
9CA005M	N	150	<20	N	150	100	500	1,000	300	1,000
9CA006M	N	150	N	<200	200	N	500	700	200	1,000
9CA007M	N	<10	N	N	150	N	20	1,500	200	N
9CA008M	N	50	N	N	100	N	100	1,000	200	N
9DR002M	N	10	<20	N	150	N	2,000	2,000	2,000	3,000
9DR003M	N	10	20	300	200	N	2,000	2,000	1,500	5,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-5--Continued							
9DR004M	35 30 10	81 0 51	7.00	.70	5.00	1.500	2,000	N	N	N	50	200
9DR005M	35 31 5	81 5 56	7.00	1.00	1.50	2.000	1,500	N	N	N	1,000	70
9DR006M	35 32 47	81 5 37	15.00	1.00	.10	1.500	1,500	N	N	N	500	<50
9DR007M	35 31 36	81 4 55	7.00	1.00	.30	2.000	1,500	N	N	N	500	50
9DR008M	35 31 42	81 4 52	3.00	.30	.20	>2.000	700	N	N	N	150	50
9DR009M	35 33 44	81 2 24	5.00	.20	2.00	>2.000	1,000	N	N	N	70	70
9DR010M	35 33 45	81 2 25	2.00	.20	.20	>2.000	500	N	N	N	20	N
9DR011M	35 34 35	81 2 43	5.00	.70	.20	2.000	700	N	N	N	2,000	N
9DR012M	35 34 28	81 2 40	5.00	.30	.50	2.000	500	N	N	N	500	<50
9ME001M	35 45 0	81 15 0	.30	.50	.20	.300	200	N	N	N	500	N
9ME001M	35 45 0	81 15 0	.30	.50	.30	.500	50	N	N	N	30	N
9MM001M	35 37 30	81 15 0	10.00	1.00	5.00	1.000	1,000	N	N	N	100	<50
9MM002M	35 32 38	81 14 30	15.00	1.00	.20	1.000	2,000	N	N	N	2,000	N
9MM003M	35 32 40	81 14 31	7.00	.70	1.00	>2.000	1,500	N	N	N	1,000	N
9MM004M	35 36 28	81 12 26	7.00	.70	3.00	1.500	1,000	N	N	N	1,000	N
9MM005M	35 34 41	81 10 20	5.00	.50	.15	.700	700	N	N	N	2,000	N
9MM006M	35 34 18	81 13 29	7.00	.70	1.00	>2.000	1,000	N	N	N	1,000	N
9MM007M	35 33 3	81 13 19	10.00	1.00	.70	1.500	1,000	N	N	N	700	N
9MM008M	35 30 50	81 14 3	10.00	1.00	<.10	.500	2,000	N	N	N	1,500	N
9MM009M	35 32 24	81 12 9	10.00	1.50	<.10	1.000	1,500	N	N	N	2,000	N
9MM010M	35 32 9	81 9 3	10.00	1.00	<.10	.500	2,000	N	N	N	1,000	N
9MM011M	35 32 12	81 8 54	10.00	1.00	1.00	.500	2,000	N	N	N	2,000	N
9MM012M	35 33 27	81 7 56	10.00	1.00	.10	.500	2,000	N	N	N	1,000	N
9NT001M	35 44 12	81 8 2	10.00	1.00	3.00	1.000	2,000	N	N	N	20	50
9NT002M	35 39 49	81 14 20	10.00	1.50	1.00	2.000	1,500	N	N	N	50	50
9NT003M	35 39 20	81 12 43	10.00	1.00	5.00	1.500	2,000	N	N	N	<20	N
9NT004M	35 39 17	81 12 17	10.00	.50	7.00	1.000	2,000	N	N	N	<20	N
9NT005M	35 38 41	81 11 26	5.00	.50	2.00	2.000	1,500	N	N	N	50	70
9NT006M	35 43 42	81 13 39	7.00	1.00	5.00	2.000	1,500	N	N	N	200	70
9NT007M	35 40 59	81 9 29	10.00	.30	7.00	1.500	2,000	N	N	N	<20	70
9NT008M	35 41 12	81 12 3	7.00	.30	7.00	2.000	1,500	N	N	N	30	N
9NT009M	35 39 41	81 8 42	10.00	.20	7.00	1.000	1,500	N	N	N	20	100
9NT010M	35 39 48	81 7 49	5.00	.30	.20	1.000	1,000	N	N	N	500	100
9NT011M	35 39 49	81 7 46	3.00	.50	.20	1.000	1,000	N	N	N	500	N
9NT012M	35 41 45	81 7 51	5.00	.50	5.00	2.000	1,000	N	N	N	30	N
9NT013M	35 38 28	81 11 7	5.00	.50	3.00	2.000	1,000	N	N	N	50	N
					C-6							
9BO001M	35 36 16	81 25 35	1.00	.50	.30	.500	200	N	N	N	1,000	N
9BO003M	35 35 0	81 29 52	2.00	1.00	.20	.500	200	N	N	N	2,000	N
9BO004M	35 31 47	81 29 54	1.00	1.00	.20	.500	100	N	N	N	5,000	N
9BO005M	35 31 37	81 26 26	1.00	1.00	.30	.500	150	N	N	N	700	N
9BO006M	35 33 57	81 23 56	2.00	2.00	.20	1.000	200	N	N	N	>5,000	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-5--Continued						
9DR004M	2	N	N	30	150	10	>2,000	N	300	15	200
9DR005M	10	N	N	30	150	<10	>2,000	N	300	50	150
9DR006M	20	N	N	50	200	<10	700	N	N	50	N
9DR007M	15	N	N	50	200	N	>2,000	N	200	30	200
9DR008M	3	N	N	30	150	N	>2,000	N	200	20	300
9DR009M	N	N	N	30	150	<10	>2,000	N	200	20	300
9DR010M	N	N	N	30	50	<10	>2,000	N	200	20	300
9DR011M	10	N	N	30	150	<10	>2,000	N	300	20	300
9DR012M	10	N	N	20	150	<10	>2,000	N	300	20	300
9ME001M	2	N	N	N	<20	<10	>2,000	N	N	<10	150
9ME001M	N	N	N	50	30	15	>2,000	N	N	10	300
9MM001M	N	N	N	50	150	20	>2,000	N	50	30	100
9MM002M	20	N	N	50	200	<10	>2,000	N	100	20	70
9MM003M	20	N	N	30	200	<10	>2,000	N	100	30	200
9MM004M	15	N	N	30	200	<10	>2,000	N	100	10	200
9MM005M	10	N	N	30	150	<10	>2,000	N	70	<10	500
9MM006M	20	N	N	50	100	20	>2,000	N	150	30	150
9MM007M	30	N	N	50	200	10	>2,000	N	200	10	100
9MM008M	30	N	N	30	200	<10	100	N	50	20	<20
9MM009M	30	N	N	50	150	<10	2,000	N	300	20	50
9MM010M	20	N	N	50	200	<10	200	N	50	20	N
9MM011M	20	N	N	50	200	<10	500	N	N	30	<20
9MM012M	15	N	N	50	200	<10	150	N	N	30	N
9NT001M	N	N	N	150	1,000	100	>2,000	N	100	30	200
9NT002M	N	N	N	100	5,000	100	>2,000	N	100	70	200
9NT003M	N	N	N	70	200	10	>2,000	N	70	20	200
9NT004M	N	N	N	50	150	<10	>2,000	N	100	<10	200
9NT005M	N	N	N	50	150	<10	>2,000	N	100	20	300
9NT006M	2	N	N	50	150	20	>2,000	N	70	20	200
9NT007M	N	N	N	30	150	15	>2,000	N	150	10	100
9NT008M	N	N	N	30	150	N	>2,000	N	200	15	200
9NT009M	N	N	N	30	200	70	>2,000	N	N	70	50
9NT010M	5	N	N	30	70	70	>2,000	N	100	20	500
9NT011M	15	N	N	20	70	<10	>2,000	N	70	20	500
9NT012M	N	N	N	20	100	N	>2,000	N	100	20	150
9NT013M	N	N	N	30	150	30	>2,000	N	100	20	150
					C-6--Continued						
9BO001M	15	N	N	30	100	<10	>2,000	N	<50	10	300
9BO003M	10	N	N	30	100	<10	>2,000	N	N	10	300
9BO004M	5	N	N	30	100	<10	>2,000	N	N	10	300
9BO005M	2	N	N	30	100	<10	>2,000	N	N	15	500
9BO006M	7	N	N	30	150	<10	>2,000	N	100	15	300

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-5--Continued					
9DR004M	N	10	30	2,000	200	N	1,500	N	>2,000	3,000
9DR005M	N	10	20	500	150	N	1,500	5,000	700	3,000
9DR006M	N	N	N	N	150	N	70	2,000	500	200
9DR007M	N	10	20	N	200	N	2,000	3,000	700	>5,000
9DR008M	N	10	50	N	200	N	5,000	1,000	1,000	>5,000
9DR009M	N	10	50	N	300	N	3,000	500	1,000	>5,000
9DR010M	N	10	50	N	300	N	3,000	500	1,000	>5,000
9DR011M	N	10	30	N	200	N	3,000	3,000	1,500	>5,000
9DR012M	N	10	50	N	150	N	3,000	5,000	1,000	>5,000
9ME001M	N	10	N	N	50	N	>5,000	N	1,000	>5,000
9ME001M	N	10	50	500	50	N	500	<500	2,000	>5,000
9MM001M	N	>200	30	700	300	N	700	N	2,000	3,000
9MM002M	N	50	50	N	200	N	500	5,000	1,000	1,500
9MM003M	N	>200	20	<200	200	N	500	1,500	1,000	5,000
9MM004M	N	>200	50	500	200	N	500	<500	1,500	>5,000
9MM005M	N	>200	50	N	100	N	5,000	1,000	1,000	>5,000
9MM006M	N	>200	30	N	200	N	1,500	1,000	1,000	5,000
9MM007M	N	>200	50	N	200	N	700	1,000	700	5,000
9MM008M	N	10	N	N	200	N	30	5,000	700	N
9MM009M	N	<10	100	N	200	N	150	5,000	500	300
9MM010M	N	N	200	N	200	N	50	3,000	300	N
9MM011M	N	N	N	N	200	N	100	3,000	500	N
9MM012M	N	<10	N	N	200	N	50	3,000	300	N
9NT001M	N	10	<20	500	300	N	3,000	N	2,000	5,000
9NT002M	N	10	20	<200	300	N	3,000	700	2,000	5,000
9NT003M	N	10	<20	1,000	300	N	3,000	N	>2,000	3,000
9NT004M	N	10	<20	1,000	500	N	3,000	N	>2,000	5,000
9NT005M	N	10	20	700	200	N	3,000	<500	2,000	5,000
9NT006M	N	10	<20	500	200	N	3,000	700	2,000	>5,000
9NT007M	N	10	<20	1,000	200	N	1,500	N	2,000	1,500
9NT008M	N	10	<20	700	200	N	3,000	500	2,000	2,000
9NT009M	N	10	N	1,000	200	N	300	N	>2,000	500
9NT010M	N	10	30	500	100	N	>5,000	1,000	1,500	5,000
9NT011M	N	10	30	300	100	N	>5,000	1,000	>2,000	>5,000
9NT012M	N	10	<20	700	150	N	2,000	N	1,500	2,000
9NT013M	N	10	<20	500	200	N	2,000	N	>2,000	2,000
					C-6--Continued					
9BO001M	N	10	30	300	100	N	5,000	700	1,500	>5,000
9BO003M	N	10	20	500	100	N	5,000	700	1,000	>5,000
9BO004M	N	10	30	500	100	N	5,000	700	1,000	>5,000
9BO005M	N	10	50	300	100	N	5,000	700	1,000	>5,000
9BO006M	N	10	20	700	150	N	3,000	1,000	1,000	5,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-6--Continued							
9LG001M	35 44 13	81 28 18	.30	.05	.20	.500	50	N	N	N	500	N
9LG002M	35 43 38	81 26 51	.50	<.05	.30	.300	100	N	N	N	20	N
9LG003M	35 44 7	81 26 14	.50	.05	.30	.300	50	N	N	N	70	N
9LG004M	35 43 55	81 25 14	.20	.05	.20	.300	30	N	N	N	500	N
9LG005M	35 43 53	81 25 17	.70	.50	.20	.300	150	N	N	N	500	N
9LG006M	35 44 35	81 23 59	.20	.05	.20	.200	20	N	N	N	1,000	N
9LG007M	35 44 32	81 24 6	1.00	.30	.20	.500	70	N	N	N	5,000	N
9LG008M	35 42 13	81 23 44	.70	.05	.20	.200	100	N	N	N	200	N
9LG009M	35 41 53	81 27 5	.50	.05	.30	.200	100	N	N	N	200	N
9LG010M	35 41 28	81 26 58	2.00	.15	.20	.200	200	N	N	N	300	N
9LG011M	35 41 5	81 26 31	3.00	.30	.20	.500	300	N	N	N	500	N
9LG012M	35 38 22	81 24 52	5.00	.50	.15	.500	200	N	N	N	300	N
9LG013M	35 38 33	81 23 47	5.00	.50	.50	.500	300	N	N	N	1,000	N
9LG014M	35 40 28	81 24 32	3.00	.30	.50	.500	200	N	N	N	300	N
9LG015M	35 40 27	81 24 29	1.00	.20	.50	.300	150	N	N	N	200	N
9ME001M	35 45 0	81 15 0	.30	.50	.20	.300	200	N	N	N	500	N
9ME001M	35 45 0	81 15 0	.30	.50	.30	.500	50	N	N	N	30	N
9MM001M	35 37 30	81 15 0	10.00	1.00	5.00	1.000	1,000	N	N	N	100	<50
9RE001M	35 30 49	81 20 14	1.00	.30	.30	1.500	150	N	N	N	1,000	N
9RE002M	35 31 56	81 21 52	.30	.30	.20	.700	30	N	N	N	1,000	N
9RE003M	35 33 11	81 20 43	.50	.30	.20	1.000	70	N	N	N	500	N
9RE004M	35 32 42	81 19 27	2.00	.20	1.00	1.000	500	N	N	N	100	N
9RE005M	35 31 50	81 19 8	1.50	.20	1.00	.500	500	N	N	N	20	N
9RE006M	35 31 33	81 16 31	3.00	.15	1.50	>2.000	700	N	N	N	200	N
9RE007M	35 32 22	81 17 6	3.00	.50	1.00	1.500	700	N	N	N	200	N
9RE008M	35 33 4	81 15 40	5.00	.30	1.50	2.000	1,000	N	N	N	70	N
9RE009M	35 34 35	81 16 32	2.00	.50	.70	1.500	700	N	N	N	500	100
9RE010M	35 36 41	81 16 25	5.00	.50	1.00	1.000	700	N	N	N	50	<50
					C-7							
9CR001M	35 33 7	81 37 5	.50	.50	.20	.300	70	N	N	N	2,000	N
9CR002M	35 33 3	81 37 8	.30	.50	.20	.500	70	N	N	N	2,000	N
9CR003M	35 36 32	81 36 25	.20	.50	.20	.300	50	N	N	N	700	N
9CR004M	35 36 36	81 36 27	.50	.50	.50	.300	150	N	N	N	700	N
9CR005M	35 32 22	81 30 50	1.00	.50	.20	.300	150	N	N	N	100	N
9CR006M	35 33 3	81 32 43	.15	.70	.20	.100	20	N	N	N	20	N
9CR007M	35 34 15	81 33 10	.20	.50	.20	.200	70	N	N	N	100	N
9CR008M	35 34 22	81 33 17	.30	.50	.20	.300	70	N	N	N	2,000	N
9CR009M	35 34 41	81 37 2	3.00	.70	.50	1.000	700	N	N	N	2,000	100
9CR010M	35 34 45	81 37 4	3.00	.70	.20	1.000	700	N	N	N	3,000	200
9CR011M	35 34 52	81 35 52	2.00	1.50	.30	.500	300	N	N	N	5,000	N
9CR012M	35 34 45	81 35 44	1.00	.70	.20	.500	500	N	N	N	2,000	N
9CR013M	35 36 42	81 31 20	.50	.50	.30	.300	100	N	N	N	1,000	N
9CR014M	35 36 37	81 31 8	.50	.50	.20	.200	100	N	N	N	500	N
9CR015M	35 36 1	81 32 43	.20	.50	.20	.200	50	N	N	N	300	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-6--Continued						
9LG001M	N	N	N	30	<20	10	>2,000	N	50	10	500
9LG002M	N	N	N	30	N	15	>2,000	N	<50	10	300
9LG003M	N	N	N	30	N	10	>2,000	N	<50	10	300
9LG004M	N	N	N	30	N	10	>2,000	N	<50	10	300
9LG005M	N	N	N	50	70	10	>2,000	N	N	15	300
9LG006M	N	N	N	50	N	10	>2,000	N	<50	10	500
9LG007M	N	N	N	30	50	10	>2,000	N	50	10	300
9LG008M	N	N	N	30	20	10	>2,000	N	<50	15	500
9LG009M	N	N	N	30	20	10	>2,000	N	N	10	500
9LG010M	3	N	N	30	70	10	>2,000	N	N	10	500
9LG011M	30	N	N	50	100	10	>2,000	N	N	10	300
9LG012M	70	N	N	50	100	10	>2,000	N	N	15	300
9LG013M	50	N	N	50	100	10	>2,000	N	N	20	300
9LG014M	50	N	N	50	100	10	>2,000	N	<50	10	300
9LG015M	15	N	N	50	70	15	>2,000	N	N	15	500
9ME001M	2	N	N	N	<20	<10	>2,000	N	N	<10	150
9ME001M	N	N	N	50	30	15	>2,000	N	N	10	300
9MN001M	N	N	N	50	150	20	>2,000	N	50	30	100
9RE001M	<2	N	N	30	30	10	>2,000	N	<50	10	200
9RE002M	<2	N	N	30	20	10	>2,000	N	<50	10	200
9RE003M	N	N	N	30	20	15	>2,000	N	<50	10	300
9RE004M	N	N	N	30	30	10	>2,000	N	<50	10	200
9RE005M	N	N	N	50	30	10	>2,000	N	<50	10	200
9RE006M	2	N	N	20	100	10	>2,000	N	150	10	100
9RE007M	N	N	N	50	150	50	>2,000	N	50	20	150
9RE008M	N	N	N	20	100	10	>2,000	N	<50	10	150
9RE009M	N	N	N	30	150	10	>2,000	N	150	30	150
9RE010M	N	N	N	50	100	10	>2,000	N	<50	20	100
					C-7--Continued						
9CR001M	N	N	N	50	30	20	>2,000	N	N	15	500
9CR002M	N	N	N	30	30	15	>2,000	N	150	15	300
9CR003M	N	N	N	50	<20	30	>2,000	N	<50	15	500
9CR004M	N	N	N	30	30	15	>2,000	N	<50	15	500
9CR005M	<2	N	N	50	30	15	>2,000	N	N	15	700
9CR006M	N	N	N	50	<20	15	>2,000	N	N	10	500
9CR007M	N	N	N	50	<20	15	>2,000	N	N	10	500
9CR008M	N	N	N	30	50	15	>2,000	N	N	20	500
9CR009M	2	N	N	30	70	15	>2,000	N	150	20	500
9CR010M	2	N	N	30	100	30	>2,000	N	150	20	300
9CR011M	2	N	N	30	150	30	>2,000	N	<50	20	500
9CR012M	N	N	N	50	50	50	>2,000	N	50	20	500
9CR013M	N	N	N	50	50	20	>2,000	N	N	10	700
9CR014M	2	N	N	50	30	10	>2,000	N	N	10	500
9CR015M	<2	N	N	50	30	20	>2,000	N	N	10	500

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-6--Continued					
9LG001M	N	10	30	500	50	N	5,000	N	700	>5,000
9LG002M	N	10	50	500	30	N	5,000	N	1,000	>5,000
9LG003M	N	10	50	500	50	N	5,000	N	1,000	>5,000
9LG004M	N	10	50	500	50	N	5,000	N	1,000	>5,000
9LG005M	N	10	50	500	50	N	5,000	N	1,000	>5,000
9LG006M	N	10	50	500	30	N	5,000	N	700	>5,000
9LG007M	N	10	50	500	50	N	5,000	N	700	>5,000
9LG008M	N	10	50	500	50	N	5,000	N	700	>5,000
9LG009M	N	10	50	300	50	N	5,000	N	700	>5,000
9LG010M	N	10	30	500	30	N	5,000	N	500	>5,000
9LG011M	N	10	20	500	70	N	3,000	1,000	500	>5,000
9LG012M	N	10	20	300	70	N	5,000	1,000	500	>5,000
9LG013M	N	10	20	500	70	N	5,000	700	700	>5,000
9LG014M	N	10	30	500	70	N	3,000	1,000	700	>5,000
9LG015M	N	10	50	300	50	N	3,000	N	700	>5,000
9ME001M	N	10	N	N	50	N	>5,000	N	1,000	>5,000
9ME001M	N	10	50	500	50	N	500	<500	2,000	>5,000
9MM001M	N	>200	30	700	300	N	700	N	2,000	3,000
9RE001M	N	N	50	300	50	N	3,000	500	2,000	>5,000
9RE002M	N	N	50	500	30	N	5,000	<500	2,000	>5,000
9RE003M	N	N	100	300	50	N	3,000	700	1,500	>5,000
9RE004M	N	N	30	<200	150	N	3,000	<500	>2,000	>5,000
9RE005M	N	N	70	<200	100	N	3,000	<500	2,000	>5,000
9RE006M	N	N	50	200	150	N	1,000	N	>2,000	3,000
9RE007M	N	N	20	<200	100	N	1,000	<500	2,000	>5,000
9RE008M	N	N	<20	700	100	N	500	N	>2,000	2,000
9RE009M	N	N	20	300	100	N	1,000	N	>2,000	5,000
9RE010M	N	10	<20	300	100	N	2,000	N	>2,000	3,000
					C-7--Continued					
9CR001M	N	10	50	300	50	N	5,000	500	1,000	>5,000
9CR002M	N	10	50	300	70	N	5,000	700	1,000	>5,000
9CR003M	N	10	50	500	50	N	5,000	700	1,500	>5,000
9CR004M	N	10	50	500	50	N	5,000	700	1,000	>5,000
9CR005M	N	10	50	500	50	N	5,000	700	200	>5,000
9CR006M	N	10	50	500	30	N	5,000	700	500	>5,000
9CR007M	N	10	50	500	30	N	5,000	700	500	>5,000
9CR008M	N	10	50	500	50	N	5,000	700	500	>5,000
9CR009M	N	10	30	500	200	N	5,000	500	700	>5,000
9CR010M	N	10	30	<200	200	N	3,000	500	1,000	>5,000
9CR011M	N	10	30	<200	150	N	5,000	<500	1,000	>5,000
9CR012M	N	10	50	300	50	N	>5,000	500	700	>5,000
9CR013M	N	10	50	300	50	N	5,000	700	1,000	>5,000
9CR014M	N	10	50	500	30	N	5,000	700	1,000	>5,000
9CR015M	N	10	50	500	50	N	5,000	700	1,000	>5,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-7--Continued							
9CR016M	35 35 46	81 33 6	.50	.50	.20	.300	100	N	N	N	2,000	N
9CR017M	35 35 23	81 31 26	.50	.50	.20	.300	70	N	N	N	500	N
9CR018M	35 34 26	81 30 3	2.00	.50	.15	.500	200	N	N	N	2,000	N
9MS001M	35 39 13	81 44 34	.50	.30	.50	.150	150	N	N	N	<20	N
9MS002M	35 39 25	81 44 10	2.00	.50	1.00	.100	500	N	N	N	20	<50
9MS003M	35 40 45	81 42 40	2.00	.30	1.50	.150	500	N	N	N	<20	50
9MS004M	35 40 15	81 42 33	2.00	.30	1.00	.100	500	N	N	N	<20	50
9MS005M	35 40 58	81 44 38	7.00	.20	5.00	.500	1,000	N	N	N	30	100
9MS006M	35 38 4	81 39 39	2.00	.70	.50	.500	300	N	N	N	700	100
9MS007M	35 38 50	81 40 46	3.00	1.50	.70	.300	500	N	N	N	70	200
9MS008M	35 38 25	81 41 17	2.00	1.00	.50	.200	500	N	N	N	20	50
9MS009M	35 37 47	81 41 53	2.00	.30	.50	.300	300	N	N	N	700	50
9V001M	35 41 3	81 35 34	.70	1.00	.30	>2.000	700	N	N	N	700	50
9V002M	35 41 15	81 36 5	.50	1.00	.30	>2.000	700	N	N	N	1,000	<50
9V003M	35 42 4	81 37 19	.15	.70	.20	.050	500	N	N	N	30	N
9V004M	35 42 16	81 36 1	.70	1.50	.50	2.000	700	N	N	N	2,000	N
9V005M	35 42 39	81 35 28	.70	1.00	.30	1.500	700	N	1,000	N	1,000	<50
9V006M	35 42 20	81 34 18	5.00	3.00	2.00	1.000	1,500	N	N	N	2,000	<50
9V007M	35 42 15	81 34 7	.50	.20	.50	.700	700	N	N	N	700	N
9V008M	35 42 1	81 32 53	.70	1.00	.30	1.000	700	N	N	N	1,000	N
9V009M	35 42 7	81 32 2	1.00	.50	.20	.200	200	N	N	N	200	N
9V010M	35 39 50	81 30 9	.15	.50	.20	.500	200	N	N	N	2,000	N
9V011M	35 38 43	81 35 59	.10	.50	.20	.200	200	N	N	N	100	N
9V012M	35 44 44	81 36 5	.50	.50	.20	.700	150	N	N	N	300	<50
9V013M	35 43 59	81 34 33	10.00	1.50	.50	2.000	1,000	N	N	N	1,000	100
9V014M	35 44 25	81 31 10	.50	.30	.15	1.000	100	N	N	N	300	N
9V015M	35 44 21	81 30 23	.50	.30	.15	1.000	150	N	N	N	300	<50
					C-8							
9DY001M	35 36 19	81 48 57	5.00	1.00	3.00	.200	1,500	N	N	N	N	N
9DY002M	35 36 3	81 48 54	2.00	.50	.50	.150	1,000	N	N	N	N	N
9DY003M	35 37 27	81 50 55	7.00	2.00	3.00	.500	1,500	N	N	N	<20	150
9DY004M	35 30 19	81 51 26	5.00	.70	1.50	.150	1,000	N	N	N	<20	N
9GL005M	35 44 30	81 46 28	.20	.50	.30	.010	100	N	N	N	50	N
9GL006M	35 43 26	81 48 0	.50	.50	.30	.015	100	N	N	N	<20	N
9GL007M	35 44 7	81 49 43	5.00	.70	2.00	.500	1,000	N	N	N	1,000	N
9GL008M	35 43 1	81 49 42	1.00	.50	.30	.200	200	N	N	N	500	N
9GL009M	35 42 59	81 46 1	2.00	.50	.50	.200	1,000	N	N	N	20	N
9GL010M	35 42 43	81 47 35	1.00	.30	.30	.070	200	N	N	N	<20	N
9GL011M	35 42 14	81 51 59	3.00	.50	1.50	.150	700	N	N	N	<20	N
9GL012M	35 39 8	81 51 36	2.00	.70	.70	.150	500	N	N	N	2,000	N
9GL013M	35 40 0	81 48 8	10.00	.70	5.00	1.000	2,000	N	N	N	20	N
9GL014M	35 40 58	81 47 6	5.00	.20	1.00	.300	1,000	N	N	N	<20	N
9GL015M	35 39 17	81 46 10	10.00	1.50	5.00	.700	1,500	N	N	N	<20	<50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-7--Continued						
9CR016M	<2	N	N	50	50	15	>2,000	N	N	15	500
9CR017M	3	N	N	50	30	15	>2,000	N	N	20	500
9CR018M	10	N	N	30	100	15	>2,000	N	N	15	500
9MS001M	N	N	N	30	20	30	>2,000	N	<50	10	300
9MS002M	N	N	N	30	50	50	>2,000	N	<50	15	300
9MS003M	N	N	N	30	30	50	>2,000	N	<50	10	300
9MS004M	N	N	N	30	30	50	>2,000	N	<50	15	300
9MS005M	N	N	N	30	50	15	>2,000	N	N	N	100
9MS006M	2	N	N	50	70	20	>2,000	N	<50	20	300
9MS007M	N	N	N	50	150	20	>2,000	N	N	50	500
9MS008M	N	N	N	50	100	10	>2,000	N	N	30	500
9MS009M	N	N	N	50	30	15	>2,000	N	200	15	500
9V001M	2	N	N	20	200	10	>2,000	N	500	N	100
9V002M	N	N	N	20	150	10	>2,000	N	100	N	200
9V003M	N	N	N	20	50	20	>2,000	N	N	N	200
9V004M	2	N	N	20	500	15	>2,000	N	N	N	200
9V005M	<2	N	N	20	100	20	>2,000	N	N	N	150
9V006M	<2	N	N	20	500	100	>2,000	N	N	N	100
9V007M	N	N	N	20	70	10	>2,000	N	N	N	200
9V008M	N	N	N	20	100	10	>2,000	N	N	N	200
9V009M	N	N	N	20	30	10	>2,000	N	N	N	200
9V010M	N	N	N	20	70	10	>2,000	N	N	N	200
9V011M	N	N	N	20	30	10	>2,000	N	N	N	200
9V012M	N	N	N	30	300	<10	>2,000	N	N	N	200
9V013M	3	N	N	30	200	70	>2,000	N	500	50	200
9V014M	N	N	N	30	200	10	>2,000	N	N	N	300
9V015M	N	N	N	30	500	10	>2,000	N	N	N	200
					C-8--Continued						
9DY001M	N	N	N	30	100	20	>2,000	N	N	20	300
9DY002M	N	N	N	50	50	50	>2,000	N	N	15	500
9DY003M	N	N	N	20	200	10	2,000	N	<50	70	70
9DY004M	N	N	N	50	150	20	>2,000	N	N	20	300
9GL005M	N	N	N	30	20	15	>2,000	N	N	N	300
9GL006M	N	N	N	30	30	15	>2,000	N	N	N	300
9GL007M	2	N	N	30	100	10	>2,000	N	200	<10	150
9GL008M	N	N	N	30	50	10	>2,000	N	N	10	200
9GL009M	N	N	N	30	20	<10	>2,000	10	N	20	300
9GL010M	N	N	N	50	150	10	>2,000	<10	N	20	300
9GL011M	N	N	N	50	70	20	>2,000	N	N	20	200
9GL012M	N	N	N	50	100	<10	>2,000	15	N	20	300
9GL013M	N	N	N	100	100	20	2,000	N	N	20	50
9GL014M	N	N	N	100	500	<10	>2,000	N	N	20	200
9GL015M	N	N	N	100	3,000	50	>2,000	N	N	30	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-7--Continued					
9CR016M	N	10	50	500	50	N	5,000	700	1,000	>5,000
9CR017M	N	10	50	500	50	N	5,000	1,000	1,000	>5,000
9CR018M	N	10	30	300	100	N	5,000	1,000	1,500	>5,000
9MS001M	N	10	50	300	30	N	5,000	<500	2,000	>5,000
9MS002M	N	10	30	300	50	N	5,000	<500	2,000	>5,000
9MS003M	N	10	30	300	70	N	5,000	<500	2,000	>5,000
9MS004M	N	10	30	300	50	N	5,000	<500	2,000	>5,000
9MS005M	N	10	N	1,000	150	N	700	N	2,000	2,000
9MS006M	N	10	30	300	70	N	5,000	<500	1,500	>5,000
9MS007M	N	10	20	500	70	N	5,000	<500	2,000	>5,000
9MS008M	N	10	20	500	50	N	5,000	<500	2,000	>5,000
9MS009M	N	10	30	500	50	N	>5,000	<500	2,000	>5,000
9V001M	N	10	20	200	200	N	5,000	N	1,000	>5,000
9V002M	N	10	30	200	200	N	>5,000	N	700	>5,000
9V003M	N	10	50	200	100	N	>5,000	N	500	>5,000
9V004M	N	10	50	200	1,000	N	>5,000	N	700	>5,000
9V005M	N	10	30	200	1,000	N	>5,000	N	500	>5,000
9V006M	N	10	20	200	1,000	N	5,000	N	500	>5,000
9V007M	N	10	50	200	700	N	>5,000	N	500	>5,000
9V008M	N	10	50	200	1,000	N	>5,000	N	500	>5,000
9V009M	N	10	50	200	200	N	>5,000	N	300	>5,000
9V010M	N	10	50	200	500	N	>5,000	N	300	>5,000
9V011M	N	10	50	200	150	N	>5,000	N	500	>5,000
9V012M	N	10	50	300	100	N	3,000	500	2,000	>5,000
9V013M	N	10	20	<200	200	N	3,000	<500	2,000	>5,000
9V014M	N	10	50	300	100	N	5,000	1,000	2,000	>5,000
9V015M	N	10	50	500	100	N	5,000	700	2,000	>5,000
					C-8--Continued					
9DY001M	N	10	N	300	100	N	3,000	N	2,000	5,000
9DY002M	N	10	50	300	50	N	5,000	<500	>2,000	>5,000
9DY003M	N	50	N	700	200	N	300	N	700	700
9DY004M	N	10	N	200	100	N	5,000	N	1,500	>5,000
9GL005M	N	10	30	300	20	N	5,000	N	1,000	>5,000
9GL006M	N	10	30	300	20	N	5,000	N	1,000	>5,000
9GL007M	N	10	<20	<200	150	N	5,000	5,000	>2,000	>5,000
9GL008M	N	10	30	300	50	N	5,000	2,000	2,000	>5,000
9GL009M	N	10	30	<200	70	N	>5,000	1,000	>2,000	>5,000
9GL010M	N	10	50	<200	50	N	>5,000	700	2,000	>5,000
9GL011M	N	10	20	300	100	N	5,000	N	>2,000	5,000
9GL012M	N	10	30	<200	100	N	>5,000	1,000	2,000	>5,000
9GL013M	N	100	N	700	200	N	1,000	N	2,000	500
9GL014M	N	10	20	<200	150	N	5,000	N	2,000	>5,000
9GL015M	N	10	N	500	300	N	1,500	N	700	2,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					C-8--Continued							
9GL016M	35 39 15	81 46 7	2.00	.50	.70	.200	500	N	N	N	<20	50
9GL017M	35 43 7	81 46 11	2.00	.70	.70	.150	700	N	N	N	<20	N
9GL018M	35 40 51	81 45 10	3.00	.30	2.00	.200	1,000	N	N	N	<20	70
9GL019M	35 38 17	81 46 16	3.00	1.00	2.00	.300	700	N	N	N	50	100
9GL020M	35 40 14	81 49 46	.20	.30	.30	.150	100	N	N	N	<20	N
9MR001M	35 42 51	81 52 38	3.00	1.00	.15	.500	200	N	N	N	2,000	N
9MR002M	35 42 22	81 56 29	7.00	.50	7.00	.500	1,000	N	N	N	70	70
9MR003M	35 42 19	81 56 32	7.00	2.00	7.00	.500	1,000	N	N	N	1,000	200
9MR004M	35 42 51	81 58 39	7.00	.70	7.00	.300	1,000	N	N	N	100	50
9MR005M	35 40 16	81 58 57	5.00	.70	3.00	.500	700	N	N	N	2,000	70
9MR006M	35 40 6	81 59 2	7.00	.70	5.00	.500	1,000	N	N	N	1,000	150
9MR007M	35 39 49	81 57 40	5.00	2.00	1.50	.500	700	N	N	N	700	50
9MR008M	35 41 53	81 53 50	5.00	.70	2.00	.500	700	N	N	N	1,500	<50
9MR009M	35 41 4	81 55 49	3.00	.70	.50	.500	500	N	N	N	1,500	70
9MR010M	35 41 3	81 55 51	7.00	1.00	3.00	.500	1,000	N	N	N	700	70
9MR011M	35 37 41	81 59 33	3.00	1.00	1.00	.500	700	N	N	N	700	70
9MR012M	35 39 24	81 55 54	5.00	1.00	1.00	.700	700	N	N	N	700	N
9MR013M	35 39 18	81 56 21	5.00	.70	1.00	.500	700	N	N	N	700	N
9MR014M	35 39 5	81 55 21	10.00	2.00	1.50	.700	1,500	N	N	N	150	50
9MR015M	35 39 29	81 54 52	5.00	1.00	1.00	.500	1,500	N	N	N	300	N
9MR016M	35 40 10	81 54 8	7.00	1.00	1.00	.500	2,000	N	N	N	300	N
9MR017M	35 41 17	81 52 36	5.00	2.00	1.00	.500	1,000	N	N	N	1,000	<50
					D-1							
8FG001M	35 48 48	80 2 42	10.00	.70	15.00	.700	3,000	N	N	N	20	150
8FG002M	35 48 11	80 3 23	10.00	1.00	20.00	1.000	2,000	N	N	N	20	100
8FG003M	35 48 10	80 3 6	10.00	.70	20.00	1.000	3,000	N	N	N	20	70
8FG004M	35 46 53	80 1 16	7.00	.70	5.00	>2.000	3,000	N	N	N	20	300
8FG006M	35 46 46	80 5 51	10.00	2.00	15.00	1.500	2,000	N	N	N	50	100
8FG007M	35 46 54	80 4 58	7.00	1.00	15.00	2.000	5,000	N	N	N	<20	50
8FG008M	35 46 13	80 2 50	7.00	.70	5.00	>2.000	>10,000	N	N	N	20	200
8FG009M	35 45 29	80 1 1	10.00	.70	20.00	.700	2,000	N	N	N	50	70
8FG010M	35 46 36	80 7 29	10.00	.50	20.00	>2.000	2,000	N	N	N	200	150
8FG011M	35 50 11	80 6 41	7.00	1.50	20.00	.700	3,000	N	N	N	50	100
8FG012M	35 48 9	80 7 17	10.00	5.00	20.00	2.000	2,000	N	N	N	50	150
8FG013M	35 47 37	80 7 21	10.00	2.00	20.00	1.500	2,000	N	N	N	30	100
8FG014M	35 51 11	80 6 10	7.00	1.00	20.00	1.000	3,000	N	N	N	100	200
8FG015M	35 51 18	80 6 34	10.00	.70	20.00	.700	3,000	N	N	N	100	150
8FG016M	35 51 51	80 3 59	10.00	.70	20.00	.700	2,000	N	N	N	30	150
8FG018M	35 49 7	80 3 21	10.00	.70	20.00	.500	3,000	N	N	N	30	100
8HP001M	35 58 54	80 7 3	7.00	5.00	3.00	1.000	2,000	N	N	N	20	50
8HP002M	35 58 57	80 6 36	7.00	1.50	5.00	.300	2,000	N	N	N	20	<50
8HP003M	35 58 51	80 5 50	7.00	1.50	5.00	1.000	3,000	N	N	<20	70	50
8HP004M	35 59 37	80 3 12	7.00	2.00	5.00	.500	1,500	N	N	N	30	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					C-8--Continued						
9GL016M	N	N	N	50	50	<10	>2,000	N	N	20	500
9GL017M	N	N	N	50	70	<10	>2,000	N	N	20	300
9GL018M	N	N	N	50	30	N	>2,000	N	N	15	200
9GL019M	N	N	N	50	100	N	>2,000	N	N	30	300
9GL020M	N	N	N	30	20	<10	>2,000	N	N	15	300
9MR001M	10	N	N	30	100	N	>2,000	N	150	20	200
9MR002M	N	N	N	50	100	20	>2,000	N	200	10	100
9MR003M	N	N	N	20	100	10	>2,000	N	300	20	100
9MR004M	N	N	N	20	150	10	1,000	N	70	50	50
9MR005M	3	N	N	30	100	10	>2,000	10	500	20	150
9MR006M	3	N	N	20	200	15	>2,000	N	200	10	100
9MR007M	7	N	N	30	500	10	>2,000	N	500	150	150
9MR008M	7	N	N	30	100	<10	>2,000	N	N	20	100
9MR009M	10	N	N	50	100	<10	>2,000	N	200	20	200
9MR010M	7	N	N	30	150	15	>2,000	N	N	30	100
9MR011M	7	N	N	50	100	<10	>2,000	N	N	50	150
9MR012M	15	N	N	50	200	<10	>2,000	N	200	30	100
9MR013M	15	N	N	50	100	<10	>2,000	N	N	50	150
9MR014M	5	N	N	50	200	20	>2,000	N	<50	50	100
9MR015M	5	N	N	30	500	10	>2,000	N	70	20	150
9MR016M	5	N	N	30	500	15	>2,000	N	300	15	150
9MR017M	5	N	N	30	200	10	>2,000	N	70	30	150
					D-1--Continued						
8FG001M	<2	N	N	15	300	20	<50	N	<50	10	50
8FG002M	<2	N	N	10	300	30	50	N	<50	10	70
8FG003M	<2	N	N	20	200	30	50	N	<50	10	50
8FG004M	7	N	N	20	500	70	150	N	70	<10	100
8FG006M	2	N	N	15	1,500	20	300	N	<50	70	70
8FG007M	<2	N	N	10	700	20	50	N	<50	20	50
8FG008M	<2	N	N	20	100	20	50	N	50	<10	20
8FG009M	<2	N	N	15	300	20	50	N	<50	20	50
8FG010M	3	N	N	15	700	10	150	N	<50	<10	100
8FG011M	<2	N	N	70	700	50	2,000	N	70	50	500
8FG012M	<2	N	N	30	2,000	30	100	N	<50	100	70
8FG013M	<2	N	N	20	300	30	50	N	<50	50	30
8FG014M	<2	N	N	30	300	70	70	N	<50	<10	150
8FG015M	<2	N	N	20	300	50	500	N	<50	15	70
8FG016M	<2	N	N	30	300	20	150	N	<50	15	300
8FG018M	<2	N	N	15	200	30	50	N	<50	<10	50
8HP001M	3	N	N	30	300	10	300	N	70	150	70
8HP002M	N	N	N	15	500	10	500	N	N	50	50
8HP003M	2	N	N	70	150	100	1,500	N	300	50	70
8HP004M	N	N	N	30	300	50	70	N	N	70	20

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					C-8--Continued					
9GL016M	N	10	30	300	100	N	3,000	N	2,000	>5,000
9GL017M	N	10	30	300	50	N	5,000	500	2,000	>5,000
9GL018M	N	10	20	300	150	N	3,000	N	2,000	>5,000
9GL019M	N	10	20	<200	100	N	3,000	N	700	>5,000
9GL020M	N	10	30	<200	50	N	3,000	700	2,000	>5,000
9MR001M	N	10	200	<200	100	N	5,000	500	1,000	3,000
9MR002M	N	10	70	1,000	200	N	1,000	N	700	2,000
9MR003M	N	10	<20	1,000	200	N	1,000	N	>2,000	2,000
9MR004M	N	100	20	1,500	200	N	200	N	1,500	200
9MR005M	N	10	20	1,000	200	N	2,000	500	700	2,000
9MR006M	N	10	20	1,000	200	N	1,000	N	700	1,500
9MR007M	N	10	20	<200	150	N	3,000	700	2,000	5,000
9MR008M	N	10	20	300	150	N	3,000	1,000	2,000	3,000
9MR009M	N	10	20	<200	100	N	5,000	1,000	1,000	5,000
9MR010M	N	10	<20	500	150	N	5,000	700	2,000	2,000
9MR011M	N	10	20	<200	100	N	5,000	500	1,000	3,000
9MR012M	N	10	N	<200	100	N	5,000	1,000	1,500	3,000
9MR013M	N	10	N	<200	100	N	5,000	1,000	1,000	5,000
9MR014M	N	10	N	<200	150	N	3,000	10,000	500	2,000
9MR015M	N	10	N	<200	150	N	3,000	20,000	1,000	3,000
9MR016M	N	10	50	<200	150	N	5,000	10,000	700	3,000
9MR017M	N	10	70	<200	150	N	3,000	5,000	2,000	5,000
					D-1--Continued					
8FG001M	N	100	N	1,500	500	N	50	N	300	N
8FG002M	N	100	N	1,000	500	N	50	N	300	N
8FG003M	N	70	N	1,500	500	N	50	N	150	N
8FG004M	N	70	N	500	200	N	70	N	200	N
8FG006M	N	100	N	1,000	700	N	100	N	500	N
8FG007M	N	100	N	1,000	700	N	70	N	200	N
8FG008M	N	50	N	500	150	N	50	N	200	N
8FG009M	N	70	N	1,000	500	N	100	N	70	N
8FG010M	N	150	N	1,500	700	N	100	N	50	N
8FG011M	N	70	20	1,000	700	N	200	N	300	500
8FG012M	N	100	N	1,000	1,000	N	50	N	700	N
8FG013M	N	70	N	1,000	700	N	50	N	150	N
8FG014M	N	100	N	1,000	500	N	50	N	200	N
8FG015M	N	70	N	1,000	500	N	100	N	1,000	<200
8FG016M	N	100	N	1,000	500	N	70	N	150	N
8FG018M	N	100	N	1,000	500	N	50	N	200	N
8HP001M	N	50	50	700	200	N	100	N	>2,000	N
8HP002M	N	70	N	700	200	N	100	N	>2,000	<200
8HP003M	N	70	30	1,000	200	N	500	N	>2,000	700
8HP004M	N	30	N	700	200	N	30	N	1,000	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-1--Continued							
8HP005M	35 58 51	80 2 45	7.00	1.50	5.00	.500	1,500	N	N	N	70	50
8HP006M	35 57 4	80 3 59	7.00	1.50	5.00	.200	2,000	N	N	N	70	50
8HP007M	35 56 3	80 4 12	7.00	1.50	5.00	.300	2,000	N	N	N	20	50
8HP008M	35 54 41	80 4 50	10.00	1.00	5.00	.500	2,000	N	N	N	50	50
8HP009M	35 54 8	80 5 17	10.00	1.00	5.00	.500	2,000	N	N	N	100	50
8HP010M	35 53 45	80 6 1	7.00	1.00	5.00	.300	2,000	N	N	N	150	70
8HP011M	35 55 32	80 7 26	7.00	1.50	7.00	.200	2,000	N	N	N	<20	50
8HP012M	35 53 53	80 0 27	10.00	1.00	5.00	.700	1,500	N	N	N	70	50
8HP013M	35 53 55	80 0 59	10.00	.70	5.00	.500	1,500	N	N	N	50	<50
8HP014M	35 53 32	80 1 2	10.00	1.00	7.00	.500	2,000	N	N	N	30	<50
8HP015M	35 53 3	80 3 38	7.00	.70	3.00	1.500	2,000	N	N	N	70	50
8HP016M	35 52 51	80 0 21	10.00	.70	5.00	.700	2,000	N	N	N	20	<50
8HP017M	35 52 35	80 0 15	7.00	.50	5.00	.500	1,500	N	N	N	20	50
8HP018M	35 54 16	80 3 14	10.00	1.00	5.00	1.000	2,000	N	N	N	<20	50
8LA011M	35 48 33	80 11 11	10.00	.70	5.00	2.000	2,000	N	N	N	100	100
8LA012M	35 48 19	80 11 17	7.00	1.50	5.00	2.000	1,500	N	N	N	50	100
8LA013M	35 47 23	80 12 9	10.00	1.00	7.00	>2.000	2,000	N	N	N	50	150
8LA014M	35 46 7	80 12 47	10.00	1.50	5.00	2.000	1,500	N	N	N	30	100
8LA015M	35 45 34	80 13 25	10.00	2.00	7.00	2.000	1,500	N	N	N	20	100
8LA016M	35 45 57	80 12 9	10.00	.50	7.00	.700	1,500	N	N	N	30	50
8LA017M	35 46 23	80 11 57	10.00	.50	7.00	.700	2,000	N	N	N	20	100
8LA018M	35 45 42	80 7 32	7.00	.15	10.00	1.500	1,500	N	N	N	20	50
8LA019M	35 46 6	80 10 22	10.00	.30	7.00	>2.000	1,500	N	N	N	50	50
8MY001M	35 57 51	80 11 48	10.00	2.00	5.00	1.000	2,000	N	N	N	20	100
8MY002M	35 57 53	80 11 49	10.00	1.50	5.00	1.500	1,500	N	N	N	20	70
8MY003M	35 58 20	80 11 44	10.00	1.00	5.00	1.000	1,500	N	N	N	<20	50
8MY004M	35 56 41	80 10 7	10.00	3.00	5.00	.500	2,000	N	N	N	<20	N
8MY005M	35 57 33	80 8 1	10.00	2.00	5.00	.500	2,000	N	N	N	<20	N
8MY005M	35 57 33	80 8 1	10.00	3.00	5.00	.700	2,000	N	N	N	<20	N
8MY007M	35 53 9	80 14 12	7.00	3.00	5.00	1.000	2,000	N	N	N	30	<50
8MY008M	35 54 11	80 13 50	10.00	1.50	5.00	.700	1,500	N	N	N	<20	100
8MY009M	35 54 33	80 12 46	10.00	3.00	5.00	.700	2,000	N	N	N	<20	50
8MY010M	35 54 55	80 12 55	10.00	1.50	5.00	1.000	2,000	N	N	N	50	100
8MY011M	35 56 14	80 11 2	7.00	1.50	3.00	2.000	1,500	N	N	N	<20	<50
8MY012M	35 54 24	80 11 36	10.00	1.50	5.00	.700	2,000	N	N	N	<20	N
8MY013M	35 53 18	80 13 54	7.00	.50	5.00	1.000	2,000	N	N	N	<20	50
8MY014M	35 59 12	80 14 6	10.00	.30	7.00	1.500	1,500	N	N	N	30	50
8MY015M	35 59 39	80 13 47	7.00	.70	5.00	2.000	1,000	N	N	N	100	100
8MY016M	35 58 40	80 10 31	10.00	1.50	5.00	.500	2,000	N	N	N	<20	N
8MY017M	35 58 59	80 9 41	10.00	5.00	5.00	.500	2,000	N	N	N	<20	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-1--Continued						
8HP005M	N	N	N	15	150	15	100	N	N	30	20
8HP006M	N	N	N	15	200	20	<50	N	N	30	30
8HP007M	N	N	N	15	200	20	<50	N	N	30	30
8HP008M	N	N	N	10	100	20	100	N	N	20	20
8HP009M	N	N	N	15	150	20	150	N	N	20	20
8HP010M	N	N	N	20	100	200	500	N	N	20	1,000
8HP011M	N	N	N	10	200	20	50	N	N	30	50
8HP012M	N	N	N	20	100	20	2,000	N	100	15	50
8HP013M	N	N	N	15	100	20	>2,000	N	N	15	70
8HP014M	N	N	N	15	150	20	1,500	N	N	20	50
8HP015M	N	N	N	30	100	200	2,000	N	100	15	100
8HP016M	N	N	N	15	150	20	2,000	N	N	15	50
8HP017M	N	N	N	15	100	20	>2,000	N	N	10	50
8HP018M	N	N	N	70	700	70	1,000	N	<50	20	70
8LA011M	N	N	N	30	200	30	2,000	N	<50	20	50
8LA012M	N	N	N	20	200	30	200	N	50	70	30
8LA013M	N	N	N	30	300	50	500	N	<50	30	50
8LA014M	N	N	N	20	500	30	700	N	50	50	100
8LA015M	N	N	N	20	1,000	30	700	N	<50	70	70
8LA016M	N	N	N	15	300	30	500	N	50	20	30
8LA017M	N	N	N	30	300	30	700	N	N	30	50
8LA018M	N	N	N	<10	700	20	500	N	N	15	20
8LA019M	N	N	N	10	500	30	500	N	<50	20	50
8MY001M	2	N	N	15	200	10	500	N	100	70	150
8MY002M	<2	N	N	15	500	10	200	<10	100	50	150
8MY003M	N	N	N	10	150	10	150	N	70	20	100
8MY004M	N	N	N	30	200	10	70	N	N	100	50
8MY005M	N	N	N	30	200	20	500	N	500	70	30
8MY006M	N	N	N	30	1,500	15	100	N	N	100	20
8MY007M	2	N	N	30	150	10	>2,000	N	50	70	500
8MY008M	2	N	N	20	150	10	>2,000	N	70	50	200
8MY009M	3	N	N	20	200	<10	1,000	N	500	100	200
8MY010M	N	N	N	30	200	50	1,000	N	500	30	100
8MY011M	N	N	N	20	100	<10	>2,000	N	1,500	30	150
8MY012M	N	N	N	30	200	15	1,500	N	500	50	70
8MY013M	N	N	N	15	50	10	2,000	N	500	15	100
8MY014M	<2	N	N	10	150	<10	500	N	70	10	150
8MY015M	5	N	N	15	150	15	300	20	100	15	200
8MY016M	N	N	N	20	150	20	700	N	300	30	30
8MY017M	5	N	N	50	300	10	500	N	50	150	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-1--Continued					
8HP005M	N	30	N	1,000	200	N	50	N	>2,000	N
8HP006M	N	20	N	700	200	N	20	N	700	N
8HP007M	N	20	N	700	300	N	30	N	500	N
8HP008M	N	50	N	1,000	300	N	50	N	2,000	N
8HP009M	N	20	N	1,000	300	N	50	N	700	N
8HP010M	N	30	N	1,000	300	N	100	N	>2,000	N
8HP011M	N	30	500	1,000	150	N	30	N	1,000	N
8HP012M	N	30	N	1,500	500	N	100	N	500	200
8HP013M	N	N	N	1,000	500	N	300	N	1,500	2,000
8HP014M	N	50	N	1,000	500	N	100	N	700	200
8HP015M	N	50	N	500	200	N	700	N	>2,000	200
8HP016M	N	50	N	1,000	500	N	150	N	700	300
8HP017M	N	N	N	1,000	500	N	300	N	2,000	1,500
8HP018M	N	50	N	700	700	N	200	N	2,000	N
8LA011M	N	50	N	500	300	N	500	N	>2,000	500
8LA012M	N	50	N	700	200	N	50	N	500	N
8LA013M	N	50	N	1,000	300	N	70	N	200	N
8LA014M	N	70	N	700	300	N	100	N	300	200
8LA015M	N	70	N	700	300	N	100	N	500	N
8LA016M	N	100	20	1,000	300	N	100	N	500	N
8LA017M	N	50	N	1,000	300	N	70	N	200	N
8LA018M	N	150	N	1,000	700	N	200	N	200	N
8LA019M	N	150	N	1,000	500	N	150	N	200	N
8MY001M	N	100	N	2,000	300	N	100	N	2,000	N
8MY002M	N	100	N	1,500	300	N	100	N	1,500	N
8MY003M	N	100	N	2,000	500	N	70	N	2,000	N
8MY004M	N	70	N	1,000	300	N	50	N	1,000	N
8MY005M	N	70	N	700	300	N	300	N	1,000	<200
8MY006M	N	70	N	500	500	N	70	N	1,000	N
8MY007M	N	10	N	1,000	200	N	500	N	>2,000	2,000
8MY008M	N	10	N	1,500	300	N	300	N	700	2,000
8MY009M	N	70	N	1,500	300	N	150	N	>2,000	500
8MY010M	N	100	N	1,500	500	N	200	N	2,000	500
8MY011M	N	10	50	1,000	300	N	1,000	N	>2,000	3,000
8MY012M	N	70	N	700	500	N	300	N	700	1,000
8MY013M	N	10	N	700	300	N	500	N	1,000	1,500
8MY014M	N	70	N	2,000	500	N	100	N	500	<200
8MY015M	N	50	20	1,500	500	N	100	N	700	N
8MY016M	N	70	N	700	200	N	150	N	300	300
8MY017M	N	50	N	700	200	N	100	N	300	200

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
						D-1--Continued						
8MY018M	35 59 16	80 9 15	10.00	2.00	5.00	.700	2,000	N	N	N	<20	N
8MY019M	35 59 15	80 9 16	10.00	3.00	5.00	.300	2,000	N	N	N	<20	N
8MY020M	35 55 43	80 7 45	10.00	1.50	5.00	.300	2,000	N	N	N	<20	N
8MY021M	35 54 31	80 9 44	10.00	3.00	5.00	.300	1,500	N	N	N	20	50
						D-2						
8AV001M	35 52 56	80 27 55	7.00	1.50	10.00	>2.000	2,000	N	N	N	100	50
8AV002M	35 53 3	80 25 44	5.00	.20	10.00	>2.000	700	N	N	N	200	200
8AV003M	35 54 6	80 24 9	7.00	.50	10.00	>2.000	1,000	N	N	N	200	200
8AV004M	35 54 55	80 25 22	7.00	3.00	10.00	>2.000	1,500	N	N	N	100	100
8AV005M	35 58 20	80 27 35	3.00	3.00	3.00	>2.000	1,500	N	N	N	500	<50
8AV006M	35 59 58	80 26 49	5.00	5.00	3.00	>2.000	1,500	N	N	N	100	<50
8AV007M	35 59 52	80 29 44	7.00	7.00	7.00	>2.000	1,500	N	N	N	50	N
8AV008M	35 56 40	80 29 10	10.00	7.00	7.00	>2.000	2,000	N	N	N	100	N
8AV009M	35 53 50	80 28 19	7.00	1.00	5.00	>2.000	3,000	N	N	N	70	200
8AV010M	35 54 15	80 28 43	7.00	5.00	7.00	2.000	1,500	N	N	N	20	70
8AV011M	35 56 31	80 28 27	7.00	5.00	7.00	2.000	2,000	N	N	N	700	50
8AV012M	35 56 33	80 28 30	7.00	7.00	7.00	>2.000	1,500	N	N	N	500	70
8AV013M	35 58 10	80 26 1	10.00	5.00	7.00	2.000	2,000	N	N	N	100	50
8AV014M	35 58 14	80 26 3	7.00	5.00	5.00	>2.000	1,500	N	N	N	200	<50
8AV015M	35 57 27	80 25 18	10.00	.50	15.00	1.000	1,500	N	N	N	N	70
8AV016M	35 57 28	80 25 20	10.00	5.00	7.00	>2.000	2,000	N	N	N	20	50
8AV017M	35 55 27	80 22 51	10.00	1.00	10.00	>2.000	1,500	N	N	N	50	100
8AV018M	35 58 43	80 23 40	10.00	.70	7.00	2.000	1,500	N	N	N	100	<50
8CH001M	35 45 51	80 23 44	15.00	3.00	3.00	1.500	1,500	N	N	N	50	50
8CH002M	35 45 49	80 23 44	10.00	5.00	3.00	1.500	1,500	N	N	N	<20	50
8CH003M	35 45 54	80 22 58	20.00	1.00	3.00	1.000	1,500	N	N	N	20	<50
8CH004M	35 46 52	80 23 46	7.00	1.00	5.00	>2.000	1,000	N	N	N	200	100
8CH006M	35 45 54	80 22 59	15.00	.50	3.00	>2.000	1,000	N	N	N	300	500
8CH007M	35 47 10	80 26 50	7.00	.50	5.00	2.000	1,000	N	N	N	50	200
8CH008M	35 46 50	80 26 27	7.00	1.50	5.00	2.000	1,000	N	N	N	200	70
8CH009M	35 49 40	80 23 57	10.00	.30	7.00	1.000	1,500	N	N	N	<20	<50
8CH010M	35 49 37	80 23 59	10.00	.70	5.00	2.000	1,000	N	N	N	100	100
8CH011M	35 49 9	80 25 36	10.00	.15	5.00	2.000	1,000	N	N	N	150	70
8CH012M	35 48 35	80 27 43	10.00	.50	5.00	>2.000	1,000	N	N	N	150	150
8CH013M	35 51 26	80 24 40	10.00	5.00	5.00	2.000	1,000	N	N	N	20	100
8CH014M	35 51 18	80 26 21	7.00	.50	3.00	>2.000	1,000	N	N	N	<20	700
8CH015M	35 51 17	80 27 28	10.00	3.00	5.00	2.000	700	N	N	N	<20	100
8CH016M	35 50 27	80 29 58	10.00	3.00	5.00	1.500	1,500	N	N	N	200	50
8CH017M	35 49 58	80 29 59	15.00	2.00	7.00	.700	1,500	N	N	N	150	<50
8CH018M	35 48 47	80 29 28	10.00	1.00	5.00	1.500	1,500	N	N	N	100	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-1--Continued						
8MY018M	N	N	N	20	200	10	700	N	100	50	70
8MY019M	N	N	N	30	300	10	100	N	N	70	50
8MY020M	N	N	N	15	300	10	200	N	N	30	20
8MY021M	N	N	N	50	500	30	150	N	N	100	<20
					D-2--Continued						
8AV001M	N	N	N	20	150	50	200	N	50	70	70
8AV002M	5	N	N	15	70	N	2,000	N	200	10	70
8AV003M	7	N	N	15	100	20	1,000	10	150	20	100
8AV004M	3	N	N	30	200	N	700	N	100	100	70
8AV005M	N	N	N	50	500	30	>2,000	N	100	70	200
8AV006M	N	N	N	50	300	<10	>2,000	N	500	70	200
8AV007M	N	N	N	50	200	20	1,500	N	50	150	70
8AV008M	N	N	N	70	1,000	10	200	N	<50	200	30
8AV009M	N	N	N	30	200	10	200	N	<50	30	70
8AV010M	N	N	N	50	300	10	150	N	50	200	30
8AV011M	2	N	N	50	200	20	1,000	N	100	200	70
8AV012M	N	N	N	50	700	10	700	N	N	200	30
8AV013M	N	N	N	50	200	15	300	N	N	150	20
8AV014M	N	N	N	70	500	10	2,000	N	50	150	70
8AV015M	5	N	N	<10	300	10	1,000	N	<50	10	70
8AV016M	N	N	N	50	500	10	100	N	<50	150	20
8AV017M	3	N	N	10	150	10	1,000	<10	50	50	150
8AV018M	N	N	N	50	500	20	300	N	N	200	20
8CH001M	7	N	N	30	200	10	1,000	N	70	100	150
8CH002M	10	N	N	30	300	10	1,000	N	70	150	50
8CH003M	2	N	N	15	300	<10	700	N	<50	20	150
8CH004M	3	N	N	10	200	10	700	10	150	20	200
8CH006M	7	N	N	20	300	20	1,000	N	100	20	150
8CH007M	3	N	N	70	100	15	700	<10	100	10	200
8CH008M	3	N	N	15	150	10	1,000	<10	70	30	150
8CH009M	N	N	N	<10	70	10	1,000	N	<50	10	200
8CH010M	2	N	N	10	100	10	500	N	70	10	150
8CH011M	2	N	N	<10	100	10	500	<10	100	<10	200
8CH012M	3	N	N	10	100	15	700	10	100	10	200
8CH013M	3	N	N	30	500	10	500	N	50	150	50
8CH014M	10	N	N	15	200	15	1,000	15	100	15	200
8CH015M	7	N	N	20	200	10	500	N	50	100	100
8CH016M	<2	N	N	30	300	10	500	N	150	100	50
8CH017M	N	N	N	30	200	15	300	N	N	30	50
8CH018M	2	N	N	20	100	15	700	N	50	15	150

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-1--Continued					
8MY018M	N	70	N	1,000	300	N	100	N	300	300
8MY019M	N	70	N	700	300	N	50	N	150	N
8MY020M	N	70	N	1,000	300	N	70	N	1,000	N
8MY021M	N	50	N	500	300	N	30	N	150	N
					D-2--Continued					
8AV001M	N	70	N	1,000	200	N	100	N	2,000	N
8AV002M	N	20	50	1,000	300	N	300	N	>2,000	200
8AV003M	N	70	30	2,000	300	N	200	N	2,000	N
8AV004M	N	50	<20	1,500	200	N	150	N	2,000	N
8AV005M	N	10	100	200	200	100	1,000	N	>2,000	5,000
8AV006M	N	10	100	200	150	N	1,500	N	>2,000	5,000
8AV007M	N	70	N	200	200	N	200	N	2,000	700
8AV008M	N	70	N	200	200	N	50	N	500	N
8AV009M	N	50	N	1,000	500	N	70	N	1,000	N
8AV010M	N	30	N	1,000	200	N	50	500	700	N
8AV011M	N	50	N	700	300	N	200	N	>2,000	3,000
8AV012M	N	50	N	300	200	N	100	N	>2,000	500
8AV013M	N	50	N	500	300	N	100	N	>2,000	N
8AV014M	N	50	N	200	200	150	300	N	>2,000	2,000
8AV015M	N	100	N	2,000	300	N	150	N	700	200
8AV016M	N	50	N	300	300	N	50	N	700	N
8AV017M	N	100	20	3,000	300	N	200	N	>2,000	N
8AV018M	N	50	N	500	300	N	70	N	2,000	N
8CH001M	N	50	20	1,000	200	N	150	N	>2,000	500
8CH002M	N	30	<20	500	200	N	100	N	1,500	<200
8CH003M	N	100	N	2,000	300	N	100	N	1,500	200
8CH004M	N	100	30	2,000	300	N	100	N	2,000	<200
8CH006M	N	50	20	2,000	300	N	150	N	2,000	300
8CH007M	N	50	30	2,000	200	N	70	N	1,000	<200
8CH008M	N	70	20	1,500	200	N	200	N	2,000	500
8CH009M	N	150	<20	2,000	200	N	150	N	500	700
8CH010M	N	70	<20	1,500	200	N	50	N	2,000	N
8CH011M	N	70	20	2,000	300	N	70	N	2,000	200
8CH012M	N	50	20	2,000	200	N	150	N	1,500	N
8CH013M	N	50	N	1,000	200	N	70	N	700	N
8CH014M	N	70	30	2,000	200	N	150	N	>2,000	200
8CH015M	N	70	<20	2,000	200	N	30	N	700	N
8CH016M	N	70	N	700	200	N	100	N	>2,000	200
8CH017M	N	70	N	1,000	300	N	70	N	2,000	<200
8CH018M	N	70	20	1,500	200	N	100	N	1,000	300

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-2--Continued							
8CH019M	35 48 51	80 29 27	10.00	.50	5.00	2.000	1,000	N	N	N	100	50
8CH020M	35 52 4	80 28 19	10.00	2.00	7.00	1.000	1,500	N	N	N	<20	<50
8CH022M	35 50 23	80 22 41	10.00	.50	5.00	1.500	1,000	N	N	N	<20	50
8CH023M	35 49 6	80 22 32	10.00	.50	5.00	2.000	1,000	N	N	N	<20	<50
8WC001M	35 59 13	80 20 58	10.00	.10	10.00	2.000	1,500	N	N	N	<20	<50
8WC002M	35 58 33	80 21 36	10.00	.50	10.00	2.000	1,500	N	N	N	<20	50
8WC003M	35 56 20	80 20 59	7.00	.15	7.00	1.000	1,500	N	N	N	<20	<50
8WC005M	35 57 31	80 19 41	7.00	2.00	5.00	1.000	1,500	N	N	N	50	150
8WC006M	35 58 31	80 19 20	10.00	1.50	7.00	.700	1,500	N	N	N	300	70
8WC007M	35 58 22	80 17 28	10.00	.07	7.00	1.000	1,000	N	N	N	20	50
8WC007M	35 58 28	80 19 56	10.00	1.00	5.00	.700	1,000	N	N	N	200	50
8WC008M	35 58 59	80 16 28	10.00	.15	7.00	1.000	1,000	N	N	N	<20	50
8WC009M	35 57 56	80 16 17	7.00	.07	7.00	.700	1,000	N	N	N	<20	50
8WC010M	35 57 36	80 16 3	10.00	.15	10.00	.300	1,500	N	N	N	<20	50
8WC011M	35 56 8	80 15 55	10.00	.10	10.00	.500	1,500	N	N	N	<20	70
8WC012M	35 56 11	80 15 56	10.00	.10	10.00	.700	1,500	N	N	N	20	50
8WC013M	35 54 50	80 15 55	10.00	.50	7.00	.500	1,500	N	N	N	<20	50
8WC014M	35 54 46	80 15 55	10.00	5.00	5.00	.500	1,500	N	N	N	20	70
8WC015M	35 53 8	80 15 59	10.00	5.00	7.00	.700	1,500	N	N	N	<20	70
8WC016M	35 52 46	80 15 31	10.00	2.00	7.00	.700	2,000	N	N	N	20	100
8WC017M	35 52 31	80 16 6	10.00	1.00	7.00	.700	2,000	N	N	N	20	50
8WC018M	35 56 11	80 18 2	10.00	.15	7.00	2.000	1,500	N	N	N	<20	100
8WC019M	35 56 13	80 18 4	10.00	.15	7.00	.500	1,500	N	N	N	20	50
8WC020M	35 54 26	80 19 6	10.00	1.00	7.00	1.000	1,000	N	N	N	<20	70
8WC021M	35 54 15	80 18 22	10.00	1.50	7.00	.700	1,000	N	N	N	<20	50
8WC022M	35 52 50	80 20 59	10.00	.07	7.00	1.500	1,000	N	N	N	20	50
8WC023M	35 52 51	80 21 1	10.00	.07	5.00	2.000	1,000	N	N	N	50	100
8WC024M	35 54 44	80 21 21	10.00	.30	7.00	.500	1,500	N	N	N	30	50
8WC025M	35 54 54	80 21 2	10.00	.15	7.00	1.000	1,500	N	N	N	300	70
8WC026M	35 55 8	80 20 37	10.00	.20	7.00	.500	1,500	N	N	N	30	50
8WC027M	35 54 33	80 19 33	10.00	.05	7.00	.200	1,500	N	N	N	<20	<50
8WC028M	35 59 8	80 16 28	10.00	.20	7.00	2.000	1,000	N	N	N	20	50
8WC030M	35 57 32	80 15 13	10.00	.20	7.00	1.000	1,500	N	N	N	<20	50
					D-3							
8CM002M	35 48 53	80 33 57	7.00	1.00	10.00	.700	2,000	N	N	N	200	N
8CM003M	35 48 11	80 32 16	10.00	5.00	7.00	1.000	3,000	N	N	N	100	<50
8CM004M	35 46 55	80 34 20	10.00	5.00	7.00	2.000	3,000	N	N	N	20	<50
8CM005M	35 47 11	80 34 56	10.00	1.00	10.00	1.000	1,500	N	N	N	30	N
8CM006M	35 45 38	80 33 15	15.00	3.00	10.00	1.500	3,000	N	N	N	30	N
8CM007M	35 48 57	80 36 34	7.00	3.00	10.00	.700	2,000	N	N	N	20	50
8CM010M	35 45 35	80 30 59	7.00	2.00	7.00	1.000	2,000	N	N	N	<20	50
8CM011M	35 50 23	80 34 11	10.00	3.00	10.00	2.000	3,000	N	N	N	200	<50
8CM011M	35 50 23	80 34 11	10.00	2.00	5.00	1.000	2,000	N	N	N	100	N
8CM013M	35 50 21	80 34 22	10.00	2.00	3.00	1.000	3,000	N	N	N	50	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-2--Continued						
8CH019M	<2	N	N	10	100	10	700	N	70	10	150
8CH020M	<2	N	N	20	150	200	70	N	N	30	100
8CH022M	N	N	N	10	70	10	1,000	N	50	10	150
8CH023M	N	N	N	<10	100	10	700	<10	70	15	150
8WC001M	N	N	N	<10	200	<10	100	N	50	<10	100
8WC002M	N	N	N	<10	200	10	300	10	70	15	100
8WC003M	N	N	N	15	200	10	>2,000	N	N	10	150
8WC005M	2	N	N	15	300	15	>2,000	N	50	70	100
8WC006M	N	N	N	20	200	30	2,000	N	50	30	150
8WC007M	N	N	N	N	200	10	500	N	50	10	70
8WC007M	N	N	N	100	200	50	2,000	N	N	50	100
8WC008M	N	N	N	N	300	<10	200	N	50	10	70
8WC009M	N	N	N	N	200	<10	100	N	50	10	50
8WC010M	N	N	N	<10	200	10	200	N	<50	10	100
8WC011M	N	N	N	N	200	<10	150	N	<50	<10	100
8WC012M	N	N	N	10	200	<10	300	N	<50	10	100
8WC013M	N	N	N	<10	150	10	2,000	N	N	20	100
8WC014M	7	N	N	50	500	20	1,000	N	<50	200	70
8WC015M	3	N	N	30	500	10	<50	<10	N	100	70
8WC016M	N	N	N	20	200	10	300	N	<50	50	30
8WC017M	N	N	N	100	200	15	1,000	N	N	50	70
8WC018M	2	N	N	<10	200	<10	500	10	150	10	70
8WC019M	N	N	N	30	300	15	>2,000	N	70	10	200
8WC020M	2	N	N	<10	200	<10	500	N	50	50	100
8WC021M	2	N	N	10	200	<10	150	N	<50	70	70
8WC022M	N	N	N	N	150	10	200	<10	50	10	70
8WC023M	<2	N	N	<10	150	20	1,000	30	70	10	100
8WC024M	N	N	N	10	150	15	1,000	N	100	10	200
8WC025M	N	N	N	N	200	<10	500	N	50	10	150
8WC026M	N	N	N	N	200	<10	200	N	N	15	100
8WC027M	N	N	N	N	150	<10	300	N	N	<10	150
8WC028M	N	N	N	N	300	<10	70	N	70	10	70
8WC030M	N	N	N	N	200	10	70	N	50	10	70
					D-3--Continued						
8CM002M	N	N	N	15	150	20	500	N	N	N	30
8CM003M	N	N	N	50	200	30	70	N	N	50	20
8CM004M	N	N	N	50	200	30	50	N	N	50	30
8CM005M	N	N	N	20	150	30	>2,000	N	150	20	70
8CM006M	N	N	N	50	300	15	500	N	N	150	100
8CM007M	N	N	N	30	200	15	300	N	N	70	<20
8CM010M	3	N	N	20	200	<10	300	N	N	70	200
8CM011M	N	N	N	50	300	15	700	N	50	100	70
8CM011M	N	N	N	50	150	15	300	N	100	50	20
8CM013M	<2	N	N	70	150	50	500	N	3,000	50	30

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-2--Continued					
8CH019M	N	100	<20	2,000	200	N	100	N	2,000	300
8CH020M	N	100	100	1,500	200	N	30	N	700	N
8CH022M	N	100	N	2,000	300	N	150	N	700	500
8CH023M	N	100	<20	2,000	200	N	150	N	1,500	N
8WC001M	N	150	N	2,000	300	N	50	N	700	N
8WC002M	N	100	N	2,000	300	N	100	N	1,000	N
8WC003M	N	10	N	2,000	200	N	500	N	700	5,000
8WC005M	N	10	N	2,000	200	N	300	N	700	1,000
8WC006M	N	10	N	1,500	200	N	300	N	1,000	1,500
8WC007M	N	100	N	2,000	300	N	70	N	500	N
8WC007M	N	150	N	2,000	300	N	300	N	>2,000	700
8WC008M	N	150	N	2,000	300	N	50	N	>2,000	N
8WC009M	N	150	50	2,000	300	N	50	N	1,500	N
8WC010M	N	150	N	2,000	300	N	70	N	700	N
8WC011M	N	150	N	3,000	300	N	30	N	500	N
8WC012M	N	100	N	2,000	300	N	70	N	500	N
8WC013M	N	100	N	2,000	300	N	200	N	>2,000	700
8WC014M	N	50	20	1,500	200	N	50	N	2,000	200
8WC015M	N	70	N	2,000	200	N	20	N	100	N
8WC016M	N	100	N	1,000	300	N	150	N	500	N
8WC017M	N	100	N	1,500	300	N	100	N	100	<200
8WC018M	N	100	20	2,000	300	N	150	N	1,000	200
8WC019M	N	10	N	2,000	300	N	1,500	N	1,000	5,000
8WC020M	N	70	N	2,000	300	N	30	N	500	N
8WC021M	N	70	N	2,000	300	N	30	N	2,000	N
8WC022M	N	150	N	2,000	500	N	70	N	2,000	N
8WC023M	N	150	N	2,000	500	N	100	N	2,000	200
8WC024M	N	200	N	3,000	500	N	150	N	500	300
8WC025M	N	200	N	3,000	500	N	70	N	300	<200
8WC026M	N	150	N	2,000	500	N	50	N	500	N
8WC027M	N	150	N	3,000	500	N	30	N	100	N
8WC028M	N	100	N	2,000	500	N	30	N	500	N
8WC030M	N	150	N	2,000	500	N	50	N	500	N
					D-3--Continued					
8CM002M	N	50	70	1,000	500	N	70	N	1,500	N
8CM003M	N	50	N	700	700	N	30	N	150	N
8CM004M	N	50	N	1,000	500	N	30	N	100	N
8CM005M	N	20	N	1,000	500	N	200	N	200	1,000
8CM006M	N	70	N	1,500	500	N	100	N	2,000	200
8CM007M	N	30	N	1,000	500	N	50	N	200	<200
8CM010M	N	70	N	5,000	300	N	30	N	200	N
8CM011M	N	70	N	1,000	500	N	150	N	2,000	300
8CM011M	N	10	N	700	300	N	100	N	2,000	N
8CM013M	N	10	N	500	300	N	200	N	2,000	<200

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-3--Continued							
8CM014M	35 51 17	80 34 29	10.00	5.00	3.00	1.000	2,000	N	N	N	<20	50
8CM015M	35 50 41	80 35 1	10.00	3.00	7.00	.500	2,000	N	N	N	20	<50
8CM016M	35 50 52	80 34 35	10.00	5.00	3.00	1.000	1,500	N	N	N	70	50
8CM017M	35 50 25	80 34 28	10.00	1.50	3.00	1.500	3,000	N	N	N	30	<50
8CM019M	35 50 35	80 34 27	10.00	1.00	3.00	1.500	2,000	N	N	N	300	N
8CM020M	35 50 37	80 34 26	10.00	.50	1.50	>2.000	5,000	N	N	N	200	N
8MK001M	35 53 20	80 32 31	10.00	1.00	10.00	>2.000	5,000	N	N	N	200	100
8MK002M	35 54 11	80 35 30	10.00	2.00	20.00	1.000	3,000	N	N	N	50	100
8MK003M	35 54 10	80 35 27	15.00	5.00	20.00	1.500	3,000	N	N	N	20	100
8MK004M	35 52 56	80 34 38	15.00	.30	30.00	1.000	5,000	N	N	N	20	<50
8MK005M	35 54 44	80 33 32	15.00	1.00	20.00	1.000	5,000	N	N	N	20	70
8MK006M	35 55 23	80 33 21	15.00	7.00	20.00	1.500	5,000	N	N	N	20	100
8MK007M	35 56 18	80 34 23	10.00	5.00	20.00	2.000	3,000	N	N	N	20	150
8MK008M	35 56 31	80 36 48	15.00	.70	15.00	>2.000	3,000	N	N	N	150	100
8MK009M	35 56 30	80 37 14	7.00	.30	7.00	>2.000	2,000	N	N	N	70	70
8MK010M	35 57 49	80 35 1	10.00	2.00	15.00	2.000	2,000	N	N	N	20	150
8MK011M	35 56 55	80 33 7	15.00	10.00	15.00	2.000	3,000	1.0	N	N	30	70
8MK012M	35 59 22	80 33 16	10.00	3.00	10.00	>2.000	3,000	N	N	N	30	100
8MK013M	35 58 39	80 34 58	10.00	1.00	20.00	>2.000	5,000	N	N	N	50	100
8MK014M	35 59 10	80 35 37	10.00	1.00	20.00	>2.000	3,000	N	N	N	50	200
8MK015M	35 53 12	80 30 48	10.00	3.00	7.00	>2.000	5,000	N	N	N	100	200
8MK016M	35 57 13	80 30 18	10.00	10.00	10.00	>2.000	3,000	N	N	N	150	<50
8MK017M	35 59 5	80 31 32	15.00	10.00	20.00	>2.000	5,000	N	N	N	20	100
8MK018M	35 57 49	80 31 29	10.00	15.00	20.00	1.000	3,000	N	N	N	20	<50
8MK019M	35 59 41	80 37 15	15.00	1.50	20.00	>2.000	3,000	N	N	N	500	70
9CL001M	35 52 55	80 41 38	.30	.70	.15	1.000	200	N	N	N	150	N
9CL002M	35 52 58	80 41 0	.50	.50	.70	>2.000	1,000	N	N	N	200	N
9CL003M	35 54 21	80 38 2	20.00	2.00	20.00	1.500	5,000	N	N	N	150	100
9CL004M	35 54 23	80 37 56	20.00	.70	20.00	2.000	5,000	N	N	N	20	100
9CL005M	35 54 48	80 39 17	20.00	1.00	20.00	2.000	3,000	N	N	N	300	70
9CL007M	35 53 32	80 44 29	20.00	1.00	20.00	.500	3,000	N	N	N	20	70
9CL008M	35 53 31	80 44 27	20.00	.50	20.00	.700	5,000	N	N	N	20	70
9CL009M	35 54 11	80 44 12	20.00	1.50	20.00	.700	5,000	N	N	N	20	100
9CL010M	35 55 6	80 44 48	15.00	.70	15.00	.700	3,000	N	N	N	30	70
9CL011M	35 55 9	80 44 54	5.00	1.00	3.00	1.000	2,000	N	N	N	20	<50
9CL012M	35 55 11	80 41 36	15.00	1.50	10.00	.700	3,000	N	N	N	50	50
9CL013M	35 55 55	80 41 50	7.00	.70	7.00	2.000	3,000	N	N	N	70	N
9CL014M	35 56 39	80 42 57	.50	.70	.50	.700	700	N	N	N	50	N
9CL015M	35 56 48	80 43 38	5.00	.70	7.00	.700	2,000	N	N	N	20	N
9CL016M	35 58 13	80 42 17	15.00	1.50	15.00	1.500	1,500	N	N	N	1,500	<50
9CL017M	35 58 10	80 42 18	5.00	.50	10.00	1.000	2,000	N	N	N	500	N
9CL018M	35 58 37	80 42 45	20.00	.50	20.00	.500	5,000	N	N	N	300	N
9CL019M	35 58 43	80 43 38	15.00	1.50	30.00	1.000	5,000	N	N	N	1,000	N
9CL020M	35 59 26	80 43 40	15.00	1.50	15.00	2.000	3,000	N	N	N	2,000	50
9CL021M	35 55 14	80 39 21	20.00	1.00	20.00	2.000	3,000	N	N	N	300	70

Table A.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-3--Continued						
8CM014M	N	N	N	30	<20	15	<50	N	N	10	20
8CM015M	N	N	N	50	150	15	100	N	50	70	20
8CM016M	<2	N	N	100	100	15	150	N	N	100	N
8CM017M	10	N	N	100	70	20	>2,000	N	1,500	30	300
8CM019M	<2	N	N	100	200	15	2,000	N	1,000	30	70
8CM020M	N	N	N	150	200	15	1,000	N	1,500	30	70
8MK001M	N	N	N	30	100	100	>2,000	N	500	N	300
8MK002M	N	N	N	50	100	30	700	N	N	30	20
8MK003M	N	N	N	50	700	20	150	N	N	100	20
8MK004M	N	N	N	N	200	20	2,000	N	300	20	200
8MK005M	N	N	N	10	200	10	70	N	N	20	70
8MK006M	N	N	N	50	700	15	50	N	N	150	30
8MK007M	N	N	N	30	500	30	50	N	N	100	20
8MK008M	N	N	N	100	300	50	1,000	N	100	10	50
8MK009M	N	N	N	30	200	30	>2,000	N	N	<10	200
8MK010M	N	N	N	30	200	20	300	N	N	20	30
8MK011M	N	N	N	50	700	30	50	N	N	150	<20
8MK012M	N	N	N	30	500	15	200	15	70	70	50
8MK013M	N	N	N	30	100	20	2,000	N	50	20	70
8MK014M	N	N	N	30	100	20	300	N	50	15	50
8MK015M	N	N	N	50	300	20	>2,000	10	100	50	150
8MK016M	N	N	N	100	500	30	1,000	N	300	200	30
8MK017M	N	N	N	100	700	20	500	N	N	150	20
8MK018M	N	N	N	100	300	100	N	N	N	200	<20
8MK019M	N	N	N	150	200	50	2,000	N	70	20	100
9CL001M	N	N	N	30	200	<10	>2,000	N	N	300	500
9CL002M	N	N	N	50	100	<10	>2,000	N	N	N	500
9CL003M	N	N	N	70	100	70	2,000	N	N	20	30
9CL004M	N	N	N	20	150	30	700	N	50	N	50
9CL005M	N	N	N	100	200	50	>2,000	50	N	20	100
9CL007M	N	N	N	100	200	20	>2,000	N	N	20	100
9CL008M	N	N	N	150	200	20	>2,000	N	N	30	100
9CL009M	N	N	N	100	200	20	>2,000	N	N	30	100
9CL010M	N	N	N	100	300	15	>2,000	N	N	70	200
9CL011M	N	N	N	100	200	20	>2,000	N	N	N	300
9CL012M	N	N	N	30	200	15	>2,000	N	N	100	200
9CL013M	N	N	N	50	200	10	>2,000	N	N	200	300
9CL014M	N	N	N	50	200	10	>2,000	N	N	500	500
9CL015M	N	N	N	50	150	10	>2,000	N	N	300	500
9CL016M	N	N	N	15	300	15	>2,000	N	100	30	100
9CL017M	N	N	N	50	150	10	>2,000	N	N	N	500
9CL018M	N	N	N	15	200	<10	2,000	N	N	10	100
9CL019M	N	N	N	20	300	<10	>2,000	N	50	50	100
9CL020M	N	N	N	30	300	<10	>2,000	N	100	20	150
9CL021M	N	N	N	200	300	50	>2,000	N	N	10	100

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-3--Continued					
8CM014M	N	30	N	200	300	N	70	N	200	N
8CM015M	N	70	N	700	300	N	70	N	500	N
8CM016M	N	70	N	300	300	N	70	N	500	N
8CM017M	N	10	N	500	200	N	2,000	N	>2,000	5,000
8CM019M	N	10	N	700	300	N	700	500	2,000	1,500
8CM020M	N	10	N	300	300	N	300	500	1,500	500
8MK001M	N	150	30	700	300	N	2,000	N	>2,000	2,000
8MK002M	N	50	N	1,000	500	N	50	N	1,000	N
8MK003M	N	100	N	1,500	700	N	70	N	1,000	N
8MK004M	N	>200	50	1,500	700	N	1,000	N	>2,000	1,500
8MK005M	N	200	N	2,000	1,000	N	150	N	300	N
8MK006M	N	100	N	1,500	700	N	100	N	200	N
8MK007M	N	70	N	1,500	700	N	30	N	500	<200
8MK008M	N	70	N	2,000	1,000	N	100	N	1,500	200
8MK009M	N	>200	20	1,500	500	N	500	N	>2,000	3,000
8MK010M	N	50	N	2,000	700	N	70	N	>2,000	N
8MK011M	N	100	N	1,000	500	N	50	N	700	N
8MK012M	N	100	<20	1,000	700	N	200	N	700	N
8MK013M	N	100	20	2,000	1,000	N	700	N	>2,000	500
8MK014M	N	70	N	2,000	1,000	N	100	N	1,500	<200
8MK015M	N	100	50	1,500	500	N	700	N	>2,000	1,500
8MK016M	N	70	N	200	1,000	N	300	N	500	700
8MK017M	N	100	N	1,000	700	N	150	N	300	500
8MK018M	N	150	N	<200	700	N	50	N	300	N
8MK019M	N	50	N	2,000	700	N	200	N	1,000	500
9CL001M	N	10	70	N	200	N	>5,000	1,000	1,000	>5,000
9CL002M	N	10	50	N	200	N	>5,000	1,000	2,000	>5,000
9CL003M	N	70	N	5,000	1,000	N	200	N	>2,000	300
9CL004M	N	70	N	5,000	1,000	N	100	N	2,000	200
9CL005M	N	100	N	2,000	1,000	N	1,000	N	>2,000	2,000
9CL007M	N	150	N	2,000	1,000	N	1,000	N	>2,000	700
9CL008M	N	200	20	2,000	1,000	N	1,000	N	>2,000	700
9CL009M	N	150	20	2,000	1,000	N	700	N	>2,000	700
9CL010M	N	10	30	1,000	700	N	5,000	N	>2,000	2,000
9CL011M	N	10	50	N	200	N	>5,000	700	2,000	>5,000
9CL012M	N	10	30	1,000	700	N	5,000	500	>2,000	>5,000
9CL013M	N	10	50	N	500	N	>5,000	700	>2,000	>5,000
9CL014M	N	10	70	N	150	N	>5,000	1,000	2,000	>5,000
9CL015M	N	10	50	N	200	N	>5,000	700	2,000	>5,000
9CL016M	N	200	30	1,500	700	N	1,500	N	1,000	2,000
9CL017M	N	10	70	N	200	N	>5,000	500	700	>5,000
9CL018M	N	>200	50	1,000	1,000	N	500	N	2,000	500
9CL019M	N	200	30	1,000	700	N	700	N	500	1,000
9CL020M	N	200	20	2,000	1,000	N	1,000	N	1,000	1,500
9CL021M	N	100	N	3,000	1,000	N	700	N	>2,000	1,500

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-3--Continued							
9CL022M	35 56 1	80 39 46	15.00	1.50	15.00	>2.000	3,000	N	N	N	700	100
9CL023M	35 59 39	80 44 9	15.00	1.00	20.00	1.500	3,000	N	N	N	2,000	50
9CL024M	35 58 36	80 39 31	15.00	10.00	15.00	>2.000	3,000	N	N	N	1,500	50
9CL025M	35 58 33	80 39 41	10.00	1.00	15.00	>2.000	3,000	N	N	N	1,000	<50
9CL026M	35 58 0	80 39 51	15.00	1.00	20.00	2.000	5,000	N	N	N	700	<50
9CL027M	35 57 19	80 38 41	15.00	1.00	20.00	>2.000	5,000	N	N	N	700	50
9CL028M	35 57 27	80 38 28	15.00	1.50	20.00	>2.000	3,000	N	N	N	100	70
9CL029M	35 59 56	80 38 40	30.00	1.50	5.00	>2.000	5,000	N	N	N	2,000	300
9CL030M	35 57 28	80 37 36	10.00	.20	10.00	>2.000	2,000	N	N	N	100	<50
9CL031M	35 56 16	80 37 52	20.00	.70	20.00	>2.000	300	N	N	N	200	50
9CX001M	35 45 38	80 37 40	7.00	1.50	3.00	2.000	1,000	N	N	N	20	N
9CX002M	35 45 12	80 38 31	7.00	.70	5.00	1.000	1,500	N	N	N	300	<50
9CX003M	35 51 41	80 38 53	2.00	.50	.50	1.500	700	N	N	N	200	N
9CX004M	35 50 45	80 39 28	5.00	.70	3.00	1.000	1,000	N	N	N	150	N
9CX005M	35 50 14	80 37 44	7.00	1.50	5.00	.700	1,000	N	N	N	<20	<50
9CX006M	35 48 55	80 37 46	7.00	.50	5.00	1.500	1,000	N	N	N	20	50
9CX007M	35 47 56	80 38 30	7.00	1.00	5.00	1.500	1,500	N	N	N	20	<50
9CX008M	35 47 6	80 40 37	7.00	1.00	3.00	2.000	1,500	N	N	N	20	<50
9CX009M	35 46 18	80 40 55	5.00	1.50	3.00	2.000	1,000	N	N	N	<20	N
9CX010M	35 46 37	80 39 30	7.00	3.00	3.00	2.000	1,000	N	N	N	100	N
9CX011M	35 47 7	80 42 23	7.00	.50	2.00	>2.000	1,500	N	N	N	200	70
9CX012M	35 46 59	80 43 8	5.00	1.00	5.00	2.000	1,000	N	N	N	50	50
9CX013M	35 47 3	80 43 14	5.00	.70	5.00	>2.000	1,000	N	N	N	100	50
9CX014M	35 46 20	80 43 34	7.00	.50	2.00	>2.000	1,500	N	N	N	20	70
9CX015M	35 50 38	80 40 59	7.00	.50	5.00	2.000	1,000	N	N	N	70	50
9CX016M	35 52 6	80 43 13	1.00	.50	.30	.500	300	N	N	N	50	<50
9CX017M	35 50 26	80 43 1	5.00	.30	1.50	1.000	1,000	N	N	N	1,000	<50
9CX018M	35 47 57	80 39 30	7.00	1.00	5.00	1.000	1,500	N	N	N	70	<50
9CX019M	35 48 26	80 39 25	7.00	.70	5.00	1.500	1,500	N	N	N	20	<50
9CX020M	35 49 26	80 39 23	10.00	1.00	5.00	1.000	1,000	N	N	N	<20	<50
9CX021M	35 50 24	80 39 31	10.00	.50	5.00	1.500	1,000	N	N	N	20	N
9CX022M	35 49 31	80 40 13	10.00	1.00	7.00	1.500	1,000	N	N	N	<20	<50
9CX023M	35 47 58	80 41 16	10.00	1.50	5.00	1.000	1,000	N	N	N	20	N
9CX024M	35 49 10	80 41 29	7.00	1.50	5.00	1.000	1,000	N	N	N	70	N
9CX025M	35 47 48	80 41 46	7.00	1.50	5.00	1.000	1,000	N	N	N	20	<50
9CX026M	35 49 55	80 43 11	10.00	.30	3.00	1.000	1,500	N	N	N	150	50
					D-5							
9HD001M	35 53 43	81 5 44	.20	.50	.30	.500	500	N	N	N	2,000	N
9HD002M	35 53 15	81 5 52	<.10	.30	.20	.700	200	N	N	N	700	N
9HD003M	35 53 8	81 6 43	.20	.50	.20	.500	500	N	N	N	50	N
9HD004M	35 54 50	81 5 25	.15	.50	.20	.150	300	N	N	N	2,000	N
9HD005M	35 54 56	81 5 26	.10	.50	.20	.200	300	N	N	N	500	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-3--Continued						
9CL022M	N	N	N	100	1,000	50	>2,000	N	150	50	150
9CL023M	N	N	N	20	200	<10	>2,000	N	200	20	150
9CL024M	N	N	N	150	500	200	>2,000	N	50	200	200
9CL025M	N	N	N	50	500	70	>2,000	N	70	30	200
9CL026M	N	N	N	30	300	20	>2,000	N	70	20	70
9CL027M	N	N	N	100	700	20	>2,000	N	100	20	100
9CL028M	N	N	N	70	200	70	2,000	N	<50	10	70
9CL029M	7	N	N	70	200	30	>2,000	N	200	20	300
9CL030M	N	N	N	70	150	30	>2,000	N	N	N	200
9CL031M	N	N	N	200	300	30	>2,000	N	N	10	70
9CX001M	N	N	N	15	150	500	500	N	500	20	50
9CX002M	N	N	N	10	50	70	1,000	N	200	10	50
9CX003M	N	N	N	30	70	<10	>2,000	N	70	20	500
9CX004M	N	N	N	30	50	20	>2,000	N	N	15	150
9CX005M	N	N	N	15	100	30	700	N	N	30	20
9CX006M	N	N	N	15	50	20	1,000	N	N	15	20
9CX007M	N	N	N	30	70	20	700	N	N	30	<20
9CX008M	N	N	N	15	100	20	700	N	N	30	20
9CX009M	N	N	N	20	100	10	2,000	N	50	20	50
9CX010M	N	N	N	50	150	15	300	N	N	100	<20
9CX011M	N	N	N	30	200	15	2,000	N	50	20	50
9CX012M	N	N	N	20	100	150	>2,000	N	70	30	50
9CX013M	N	N	N	20	100	100	1,500	N	50	15	20
9CX014M	N	N	N	30	200	50	1,000	N	<50	15	200
9CX015M	N	N	N	20	50	30	>2,000	N	<50	10	50
9CX016M	N	N	N	30	30	20	>2,000	N	<50	15	500
9CX017M	N	N	N	30	70	<10	>2,000	N	70	15	300
9CX018M	N	N	N	50	70	70	>2,000	N	N	20	70
9CX019M	N	N	N	20	70	15	1,000	N	N	20	30
9CX020M	N	N	N	30	100	20	1,000	N	N	20	30
9CX021M	N	N	N	30	50	50	1,000	N	N	10	20
9CX022M	N	N	N	15	100	20	5,000	N	N	15	20
9CX023M	N	N	N	20	100	20	2,000	N	N	30	30
9CX024M	N	N	N	20	100	50	>2,000	N	<50	15	200
9CX025M	N	N	N	30	100	70	2,000	N	N	50	50
9CX026M	N	N	N	20	70	15	>2,000	N	<50	10	100
					D-5--Continued						
9HD001M	N	N	N	20	<20	<10	>2,000	N	200	50	150
9HD002M	N	N	N	20	<20	<10	>2,000	N	200	50	200
9HD003M	N	N	N	30	<20	<10	>2,000	N	100	50	300
9HD004M	N	N	N	30	<20	<10	>2,000	N	70	50	200
9HD005M	N	N	N	20	<20	<10	>2,000	N	70	50	200

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-3--Continued					
9CL022M	N	100	N	2,000	700	N	2,000	N	>2,000	5,000
9CL023M	N	>200	20	2,000	1,000	N	1,500	N	1,000	3,000
9CL024M	N	150	N	700	700	N	1,500	1,000	1,500	5,000
9CL025M	N	100	N	1,500	700	N	1,500	N	700	2,000
9CL026M	N	100	N	2,000	700	N	700	N	300	1,000
9CL027M	N	150	N	2,000	1,000	N	1,000	1,000	1,000	1,500
9CL028M	N	50	N	5,000	1,000	N	100	N	1,000	200
9CL029M	N	100	N	700	700	N	2,000	N	2,000	5,000
9CL030M	N	100	N	2,000	700	N	700	N	2,000	2,000
9CL031M	N	70	N	3,000	1,000	N	200	N	1,000	500
9CX001M	N	30	100	1,000	200	N	100	N	1,500	300
9CX002M	N	50	N	1,000	200	N	300	N	1,000	300
9CX003M	N	10	30	300	100	N	5,000	500	1,500	>5,000
9CX004M	N	10	N	700	150	N	500	N	>2,000	3,000
9CX005M	N	30	N	1,000	200	N	100	N	2,000	300
9CX006M	N	20	N	1,000	200	N	150	N	>2,000	1,000
9CX007M	N	30	N	1,000	200	N	100	N	>2,000	200
9CX008M	N	30	N	1,000	200	N	100	N	>2,000	300
9CX009M	N	10	N	700	200	N	300	N	>2,000	1,000
9CX010M	N	30	N	500	200	N	50	N	700	200
9CX011M	N	10	N	700	200	N	100	N	>2,000	1,000
9CX012M	N	10	N	700	200	N	300	N	2,000	1,500
9CX013M	N	20	N	1,000	200	N	200	N	>2,000	700
9CX014M	N	20	N	700	500	N	100	N	500	200
9CX015M	N	10	N	1,000	200	N	500	N	2,000	2,000
9CX016M	N	10	50	500	500	N	5,000	500	1,500	>5,000
9CX017M	N	10	20	500	150	N	1,500	<500	700	>5,000
9CX018M	N	10	N	1,000	200	N	300	N	>2,000	1,500
9CX019M	N	20	N	1,000	200	N	150	N	>2,000	1,000
9CX020M	N	30	N	1,000	300	N	100	N	1,000	500
9CX021M	N	20	N	1,500	200	N	150	N	700	500
9CX022M	N	30	N	1,500	300	N	70	N	500	200
9CX023M	N	30	N	1,000	200	N	150	N	>2,000	1,000
9CX024M	N	10	200	1,000	200	N	500	N	2,000	2,000
9CX025M	N	30	N	1,000	200	N	200	N	2,000	700
9CX026M	N	10	N	1,000	200	N	500	N	1,500	3,000
					D-5--Continued					
9HD001M	N	10	N	200	30	N	5,000	N	1,000	>5,000
9HD002M	N	10	N	200	30	N	>5,000	N	1,000	>5,000
9HD003M	N	10	N	200	20	N	5,000	N	700	>5,000
9HD004M	N	10	N	200	20	N	>5,000	N	700	>5,000
9HD005M	N	10	N	200	20	N	>5,000	N	700	>5,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
						D-5--Continued						
9HD006M	35 55 15	81 6 29	<.10	.50	.30	.150	300	N	N	N	500	N
9HD007M	35 53 56	81 2 43	.10	.30	.20	.200	200	N	N	N	500	N
9HD010M	35 56 18	81 3 13	.10	.50	.20	.150	500	N	N	N	1,000	N
9HD011M	35 56 14	81 3 14	.20	.50	.20	.150	500	N	N	N	5,000	N
9HD012M	35 57 1	81 3 16	.10	.30	.20	.100	200	N	N	N	200	N
9ME001M	35 45 0	81 15 0	.30	.50	.20	.300	200	N	N	N	500	N
9ME001M	35 45 0	81 15 0	.30	.50	.30	.500	50	N	N	N	30	N
9ME002M	35 45 12	81 12 59	.50	.70	.30	.500	700	N	N	N	200	N
9ME002M	35 45 12	81 12 59	.50	.50	.30	.500	100	N	N	N	300	N
9ME003M	35 46 37	81 12 35	<.10	.30	.20	.300	200	N	N	N	300	N
9ME003M	35 46 37	81 12 35	.20	.50	.20	.300	50	N	N	N	20	N
9ME004M	35 46 18	81 11 13	.10	.30	.20	>2.000	300	N	N	N	<20	N
9ME004M	35 46 18	81 11 13	.50	.50	.30	.500	100	N	N	N	50	N
9ME005M	35 46 22	81 11 22	.30	.50	.20	.500	70	N	N	N	30	N
9ME006M	35 48 6	81 10 13	.70	.50	.30	.500	150	N	N	N	100	N
9ME007M	35 48 3	81 10 11	.20	.30	.15	.500	70	N	N	N	100	N
9ME008M	35 45 27	81 9 53	3.00	.50	2.00	.700	500	N	N	N	<20	N
9ME009M	35 48 5	81 9 11	.50	.50	.30	.500	150	N	N	N	100	N
9ME010M	35 46 57	81 9 59	1.50	.50	.70	1.000	300	N	N	N	20	N
9SP001M	35 51 46	81 7 5	.15	.30	.20	.500	100	N	N	N	20	N
9SP002M	35 51 52	81 7 20	.30	.50	.20	1.000	150	N	N	N	20	N
9TV001M	35 53 43	81 11 4	.20	.30	.15	1.000	500	N	N	N	2,000	N
9TV002M	35 53 55	81 11 37	.20	.50	.15	.200	500	N	N	N	5,000	N
9TV003M	35 52 49	81 13 41	.20	.30	.15	.200	200	N	N	N	3,000	N
9TV004M	35 52 46	81 13 39	.50	.70	.20	.500	500	N	N	N	150	N
9TV005M	35 54 15	81 14 46	.10	.50	.10	.700	500	N	N	N	500	N
9TV006M	35 54 11	81 14 42	<.10	.30	.15	.300	500	N	N	N	200	N
9TV007M	35 55 23	81 14 6	.10	.30	.10	.500	300	N	N	N	200	N
9TV008M	35 56 10	81 14 45	.15	.30	.20	.500	300	N	N	N	1,000	N
9TV009M	35 57 37	81 14 48	<.10	.30	.15	.150	200	N	N	N	200	N
9TV010M	35 58 16	81 13 54	.10	.30	.20	.300	500	N	N	N	300	N
9TV011M	35 58 57	81 13 56	.10	.30	.20	.150	300	N	N	N	500	N
9TV012M	35 58 59	81 13 58	.15	.30	.20	.200	300	N	N	N	300	N
9TV013M	35 59 3	81 12 33	<.10	.30	.15	.150	150	N	N	N	200	N
9TV014M	35 53 42	81 9 51	.10	.30	.20	.200	200	N	N	N	150	N
9TV015M	35 54 7	81 9 53	.15	.30	.20	.200	500	N	N	N	100	N
9TV016M	35 52 43	81 8 14	<.10	.30	.20	.200	150	N	N	N	700	N
						D-6						
9BH001M	35 45 24	81 19 1	.15	.30	.20	.300	50	N	N	N	150	N
9BH002M	35 45 40	81 17 36	.20	.30	.20	.500	70	N	N	N	500	N
9BH003M	35 45 23	81 15 26	.30	.50	.20	.300	50	N	N	N	70	N
9BH004M	35 46 52	81 16 46	.20	.50	.20	.300	50	N	N	N	50	N
9BH005M	35 46 18	81 19 11	.30	.30	.20	.300	50	N	N	N	200	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-5--Continued						
9HD006M	N	N	N	20	<20	<10	>2,000	N	70	70	200
9HD007M	N	N	N	20	<20	<10	>2,000	N	70	50	200
9HD010M	N	N	N	20	<20	<10	>2,000	N	50	50	150
9HD011M	N	N	N	20	<20	<10	>2,000	N	70	50	200
9HD012M	N	N	N	20	<20	10	>2,000	N	70	50	200
9ME001M	2	N	N	N	<20	<10	>2,000	N	N	<10	150
9ME001M	N	N	N	50	30	15	>2,000	N	N	10	300
9ME002M	N	N	N	N	100	<10	>2,000	N	N	<10	300
9ME002M	N	N	N	50	30	20	>2,000	N	<50	10	500
9ME003M	N	N	N	N	<20	<10	>2,000	N	N	<10	200
9ME003M	N	N	N	50	20	20	>2,000	N	N	10	500
9ME004M	N	N	N	N	<20	<10	>2,000	N	N	<10	200
9ME004M	N	N	N	50	20	20	>2,000	N	N	15	500
9ME005M	N	N	N	50	20	20	>2,000	N	N	10	500
9ME006M	N	N	N	50	50	15	>2,000	N	N	15	500
9ME007M	N	N	N	50	20	20	>2,000	N	N	15	500
9ME008M	N	N	N	50	100	50	>2,000	N	50	20	200
9ME009M	N	N	N	50	70	20	>2,000	N	<50	15	500
9ME010M	N	N	N	50	70	20	>2,000	N	150	20	500
9SP001M	N	N	N	N	<20	20	>2,000	N	N	<10	200
9SP002M	2	N	N	N	50	<10	>2,000	N	N	<10	150
9TV001M	N	N	N	N	<20	10	>2,000	N	N	<10	200
9TV002M	N	N	N	N	<20	10	>2,000	N	N	<10	200
9TV003M	N	N	N	N	<20	<10	>2,000	N	N	<10	200
9TV004M	3	N	N	N	<20	<10	>2,000	N	N	<10	150
9TV005M	N	N	N	N	<20	<10	>2,000	N	N	<10	300
9TV006M	N	N	N	N	<20	10	>2,000	N	N	<10	150
9TV007M	N	N	N	N	<20	<10	>2,000	N	N	<10	150
9TV008M	N	N	N	N	<20	<10	>2,000	N	N	<10	200
9TV009M	N	N	N	N	<20	<10	>2,000	N	N	<10	150
9TV010M	N	N	N	N	<20	<10	>2,000	N	N	<10	150
9TV011M	N	N	N	N	<20	<10	>2,000	N	N	<10	150
9TV012M	N	N	N	N	<20	<10	>2,000	N	N	<10	150
9TV013M	N	N	N	N	<20	<10	>2,000	N	N	<10	150
9TV014M	N	N	N	N	<20	<10	>2,000	N	N	<10	150
9TV015M	N	N	N	N	<20	<10	>2,000	N	N	<10	150
9TV016M	N	N	N	N	<20	<10	>2,000	N	N	<10	150
					D-6--Continued						
9BH001M	N	N	N	20	<20	15	>2,000	N	<50	10	500
9BH002M	N	N	N	20	20	15	>2,000	N	50	10	500
9BH003M	N	N	N	20	50	15	>2,000	N	<50	15	500
9BH004M	N	N	N	20	30	15	>2,000	N	<50	15	500
9BH005M	N	N	N	20	30	15	>2,000	N	50	15	500

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-5--Continued					
9HD006M	N	10	N	200	20	N	>5,000	N	700	>5,000
9HD007M	N	10	N	200	20	N	>5,000	N	700	>5,000
9HD010M	N	10	N	200	20	N	>5,000	N	1,000	>5,000
9HD011M	N	10	N	200	20	N	5,000	N	700	>5,000
9HD012M	N	10	N	200	20	N	>5,000	N	700	>5,000
9ME001M	N	10	N	N	50	N	>5,000	N	1,000	>5,000
9ME001M	N	10	50	500	50	N	500	<500	2,000	>5,000
9ME002M	N	10	N	N	70	N	>5,000	N	1,000	>5,000
9ME002M	N	10	50	300	50	N	500	700	2,000	>5,000
9ME003M	N	10	N	N	50	N	>5,000	N	1,000	>5,000
9ME003M	N	10	50	500	50	N	500	700	2,000	>5,000
9ME004M	N	10	N	N	100	N	>5,000	N	500	>5,000
9ME004M	N	10	70	500	30	N	5,000	700	2,000	>5,000
9ME005M	N	10	50	500	30	N	5,000	700	>2,000	>5,000
9ME006M	N	10	50	500	70	N	5,000	700	>2,000	>5,000
9ME007M	N	10	50	500	70	N	5,000	500	2,000	>5,000
9ME008M	N	10	20	500	150	N	5,000	500	1,000	>5,000
9ME009M	N	10	50	500	100	N	5,000	500	2,000	>5,000
9ME010M	N	10	30	500	150	N	5,000	500	1,000	>5,000
9SP001M	N	10	N	N	50	N	2,000	N	150	>5,000
9SP002M	N	10	N	N	50	N	5,000	N	200	>5,000
9TV001M	N	10	N	N	50	N	>5,000	N	700	>5,000
9TV002M	N	10	N	N	70	N	>5,000	N	1,000	>5,000
9TV003M	N	10	N	N	70	N	>5,000	N	1,000	>5,000
9TV004M	N	10	N	N	50	N	>5,000	N	1,000	>5,000
9TV005M	N	10	N	N	100	N	>5,000	N	700	>5,000
9TV006M	N	10	N	N	50	N	>5,000	N	500	>5,000
9TV007M	N	10	N	N	70	N	>5,000	N	500	>5,000
9TV008M	N	10	N	N	50	N	>5,000	N	1,000	>5,000
9TV009M	N	10	N	N	20	N	>5,000	N	700	>5,000
9TV010M	N	10	N	N	50	N	>5,000	N	1,000	>5,000
9TV011M	N	10	N	N	50	N	>5,000	N	700	>5,000
9TV012M	N	10	N	N	50	N	>5,000	N	700	>5,000
9TV013M	N	10	N	N	50	N	>5,000	N	500	>5,000
9TV014M	N	10	N	N	100	N	>5,000	N	1,000	>5,000
9TV015M	N	10	N	N	50	N	>5,000	N	700	>5,000
9TV016M	N	10	N	N	70	N	>5,000	N	300	>5,000
					D-6--Continued					
9BH001M	N	10	50	300	20	N	5,000	700	1,000	>5,000
9BH002M	N	10	50	200	30	N	5,000	1,000	1,000	>5,000
9BH003M	N	10	50	300	30	N	5,000	2,000	1,000	>5,000
9BH004M	N	10	50	300	50	N	5,000	2,000	1,000	>5,000
9BH005M	N	10	50	300	30	N	5,000	3,000	1,000	>5,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-6--Continued							
9BH006M	35 46 13	81 17 12	.20	.50	.20	.300	50	N	N	N	200	N
9ME001M	35 45 0	81 15 0	.30	.50	.20	.300	200	N	N	N	500	N
9ME001M	35 45 0	81 15 0	.30	.50	.30	.500	50	N	N	N	30	N
					D-7							
9BM013M	35 56 33	81 42 50	5.00	.15	.50	2.000	1,500	N	N	N	150	100
9BM014M	35 56 19	81 42 36	5.00	.10	.30	2.000	2,000	N	N	N	20	150
9BM015M	35 56 40	81 42 22	3.00	.10	.20	1.500	3,000	N	N	N	20	150
9BM016M	35 56 37	81 42 22	5.00	.20	20.00	2.000	1,500	N	N	N	700	70
9BM023M	35 57 39	81 40 44	3.00	.15	1.00	2.000	5,000	N	N	N	300	100
9BM024M	35 57 50	81 40 38	2.00	.30	1.00	2.000	3,000	N	N	N	5,000	100
9BM025M	35 57 59	81 40 28	3.00	.10	1.50	2.000	2,000	N	N	N	200	100
9BM026M	35 58 16	81 41 9	3.00	.10	1.50	>2.000	5,000	N	N	N	100	100
9DX002M	35 46 2	81 36 35	3.00	.70	.30	.300	200	N	N	N	200	<20
9DX003M	35 45 38	81 35 23	.20	.50	.30	.300	50	N	N	N	70	N
9DX004M	35 45 41	81 34 4	1.00	.50	.20	2.000	150	N	N	N	1,500	N
9DX005M	35 45 2	81 32 40	1.00	.50	.30	2.000	200	N	N	N	1,000	N
9DX006M	35 45 56	81 30 1	.70	.50	.20	.300	100	N	N	N	1,000	N
9LR001M	35 57 4	81 35 40	5.00	.20	7.00	.500	700	N	N	<20	50	<50
9LR002M	35 58 17	81 34 36	7.00	.30	7.00	.500	700	N	N	<20	200	<50
9LR003M	35 59 25	81 31 40	7.00	.20	5.00	.500	700	N	N	<20	500	N
9LR004M	35 57 17	81 32 39	7.00	.70	5.00	.700	1,000	N	N	<20	150	N
9LR005M	35 57 11	81 32 51	10.00	.50	3.00	.700	700	N	N	<20	1,000	<50
9LR006M	35 52 48	81 35 21	5.00	1.00	2.00	.700	500	N	N	<20	1,500	N
9MN001M	35 47 57	81 40 36	20.00	1.50	15.00	.700	3,000	N	N	N	20	<50
9MN002M	35 48 23	81 39 50	15.00	1.00	10.00	.700	2,000	N	N	N	20	<50
9MN003M	35 48 57	81 39 28	20.00	2.00	10.00	1.000	3,000	N	N	N	20	<50
9MN004M	35 49 37	81 39 13	20.00	1.50	10.00	.700	3,000	N	N	N	30	N
9MN005M	35 50 38	81 39 21	10.00	.70	1.50	.500	2,000	N	N	N	20	N
9MN006M	35 50 54	81 42 32	15.00	1.00	15.00	.500	2,000	N	N	N	1,000	50
9MN007M	35 50 55	81 42 34	2.00	.50	1.00	.700	1,000	N	N	N	300	N
9MN008M	35 50 42	81 43 36	5.00	.70	1.00	.700	1,500	N	N	N	2,000	N
9MN009M	35 51 8	81 44 0	15.00	.70	7.00	.700	2,000	N	N	N	700	<50
9MN010M	35 50 48	81 41 21	.10	.50	.20	.030	200	N	N	N	150	N
9MN011M	35 50 51	81 41 19	10.00	.70	7.00	.500	1,500	N	N	N	2,000	<50
9MN012M	35 50 43	81 41 10	5.00	.50	1.00	.700	1,000	N	N	N	700	N
					D-8							
9AS003M	35 46 35	81 56 7	15.00	.30	10.00	.300	2,000	N	N	N	<20	100
9CT001M	35 56 43	81 51 26	2.00	1.00	2.00	.700	1,000	N	N	N	300	50
9CT001M	35 56 43	81 51 26	2.00	.50	.50	.700	1,000	N	N	N	500	N
9CT002M	35 56 29	81 51 44	1.50	.30	1.00	.700	1,500	N	N	N	1,500	100
9CT002M	35 56 29	81 51 44	1.50	.30	.70	.500	1,000	N	N	N	300	<50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-6--Continued						
9BH006M	N	N	N	20	20	15	>2,000	N	<50	15	500
9ME001M	2	N	N	N	<20	<10	>2,000	N	N	<10	150
9ME001M	N	N	N	50	30	15	>2,000	N	N	10	300
					D-7--Continued						
9BM013M	20	N	N	15	30	10	>2,000	N	>5,000	150	300
9BM014M	20	N	N	N	30	10	2,000	N	>5,000	150	700
9BM015M	15	N	N	N	50	50	>2,000	N	>5,000	200	500
9BM016M	5	N	N	10	20	N	>2,000	N	200	<10	100
9BM023M	30	N	N	50	20	20	>2,000	N	50	50	70
9BM024M	15	N	N	50	20	20	>2,000	N	50	70	300
9BM025M	15	N	N	20	<20	20	>2,000	N	<50	30	50
9BM026M	50	N	N	70	20	30	>2,000	10	100	50	100
9DX002M	N	N	N	30	100	<10	>2,000	N	N	20	300
9DX003M	N	N	N	50	20	<10	>2,000	N	<50	20	500
9DX004M	N	N	N	30	50	<5	>2,000	N	150	20	300
9DX005M	N	N	N	30	50	15	>2,000	N	100	15	500
9DX006M	N	N	N	50	30	15	>2,000	N	N	15	500
9LR001M	N	N	N	15	200	<10	>2,000	N	100	N	70
9LR002M	N	N	N	30	200	10	>2,000	N	100	N	50
9LR003M	10	N	N	15	100	<10	>2,000	N	70	N	70
9LR004M	2	N	N	20	300	<10	>2,000	N	N	N	70
9LR005M	5	N	N	20	300	<10	>2,000	N	150	N	70
9LR006M	5	N	N	20	500	<10	>2,000	N	50	N	100
9MN001M	N	N	N	15	100	<10	300	N	N	30	50
9MN002M	N	N	N	20	100	<10	150	N	N	20	50
9MN003M	N	N	N	70	150	20	150	N	<50	100	50
9MN004M	N	N	N	50	150	15	>2,000	N	N	70	70
9MN005M	N	N	N	30	300	10	>2,000	N	N	15	150
9MN006M	N	N	N	15	150	<10	>2,000	N	<50	20	50
9MN007M	N	N	N	20	50	10	>2,000	N	N	N	150
9MN008M	N	N	N	20	100	10	>2,000	N	N	N	150
9MN009M	N	N	N	15	100	<10	>2,000	N	50	20	70
9MN010M	N	N	N	20	50	15	>2,000	N	N	N	200
9MN011M	N	N	N	20	300	<10	>2,000	N	<50	15	100
9MN012M	3	N	N	20	100	<10	>2,000	N	N	N	150
					D-8--Continued						
9AS003M	N	N	N	20	150	15	>2,000	N	N	<10	200
9CT001M	7	N	N	50	70	15	>2,000	N	N	<10	500
9CT001M	3	N	N	30	20	10	>2,000	N	200	<10	700
9CT002M	7	N	N	50	100	20	>2,000	N	2,000	<10	700
9CT002M	3	N	N	30	20	10	>2,000	N	N	<10	500

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-6--Continued					
9BH006M	N	10	50	300	30	N	5,000	5,000	1,000	>5,000
9ME001M	N	10	N	N	50	N	>5,000	N	1,000	>5,000
9ME001M	N	10	50	500	50	N	500	<500	2,000	>5,000
					D-7--Continued					
9BM013M	N	10	>2,000	N	100	N	>5,000	N	>2,000	5,000
9BM014M	N	50	>2,000	N	100	N	>5,000	N	>2,000	>5,000
9BM015M	N	30	>2,000	N	30	N	>5,000	N	>2,000	>5,000
9BM016M	N	50	100	2,000	500	N	700	N	>2,000	300
9BM023M	N	10	50	N	200	N	>5,000	N	>2,000	>5,000
9BM024M	N	10	50	N	200	N	>5,000	N	>2,000	>5,000
9BM025M	N	10	30	500	100	N	5,000	N	>2,000	5,000
9BM026M	N	10	50	200	150	N	>5,000	N	>2,000	>5,000
9DX002M	N	10	30	200	100	N	5,000	2,000	2,000	>5,000
9DX003M	N	10	50	300	70	N	5,000	500	2,000	>5,000
9DX004M	N	10	50	300	150	N	5,000	500	1,500	>5,000
9DX005M	N	5	30	300	150	N	5,000	500	1,500	>5,000
9DX006M	N	10	50	200	70	N	5,000	700	2,000	>5,000
9LR001M	N	50	20	1,000	300	N	1,000	<500	2,000	2,000
9LR002M	N	50	20	1,000	500	N	500	<500	2,000	700
9LR003M	N	50	20	500	200	N	2,000	<500	>2,000	2,000
9LR004M	N	50	20	500	300	N	2,000	15,000	1,000	5,000
9LR005M	N	50	20	200	200	N	3,000	1,000	>2,000	5,000
9LR006M	N	10	20	200	200	N	3,000	<500	2,000	>5,000
9MN001M	N	100	N	1,000	700	N	100	N	>2,000	N
9MN002M	N	100	N	1,000	700	N	50	N	300	N
9MN003M	N	100	N	1,000	700	N	50	N	500	N
9MN004M	N	20	N	1,000	500	N	500	1,000	2,000	500
9MN005M	N	10	N	200	200	N	5,000	>20,000	700	>5,000
9MN006M	N	20	N	500	700	N	1,000	1,000	300	700
9MN007M	N	10	N	300	100	N	>5,000	700	1,000	>5,000
9MN008M	N	10	N	200	100	N	>5,000	700	2,000	>5,000
9MN009M	N	10	N	1,000	200	N	2,000	N	>2,000	2,000
9MN010M	N	10	N	500	50	N	>5,000	700	500	>5,000
9MN011M	N	10	N	200	300	N	3,000	1,000	500	3,000
9MN012M	N	10	N	200	150	N	5,000	1,000	1,500	>5,000
					D-8--Continued					
9AS003M	N	10	<20	2,000	700	N	1,000	N	500	>5,000
9CT001M	N	10	20	<200	300	N	5,000	N	1,000	>5,000
9CT001M	N	10	N	300	150	N	5,000	N	2,000	>5,000
9CT002M	N	10	50	<200	300	N	5,000	N	2,000	N
9CT002M	N	10	N	500	150	N	5,000	N	1,500	>5,000

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-8--Continued							
9CT003M	35 55 58	81 51 47	3.00	.50	1.00	.700	1,000	N	N	N	300	100
9CT003M	35 55 58	81 51 47	2.00	.30	.50	1.000	1,000	N	N	N	700	<50
9CT004M	35 55 27	81 52 22	10.00	.30	1.50	2.000	1,000	N	N	N	500	200
9CT005M	35 54 43	81 52 11	10.00	.20	1.50	1.000	1,000	N	N	N	100	300
9CT006M	35 54 19	81 52 23	15.00	.50	1.00	1.000	500	N	N	N	20	500
9CT008M	35 57 35	81 52 11	7.00	.30	5.00	1.500	1,000	N	N	N	300	100
9CT009M	35 56 20	81 48 56	2.00	.50	.70	.500	700	N	N	N	150	N
9CT010M	35 55 56	81 48 19	1.50	.30	.50	.150	1,000	N	N	N	150	300
9CT011M	35 55 5	81 48 4	2.00	1.00	.70	.200	1,000	N	N	N	200	N
9CT013M	35 58 22	81 48 1	1.50	.30	.30	.200	1,500	N	N	N	100	N
9CT019M	35 57 21	81 49 8	.70	.30	.50	.150	500	N	N	N	50	N
9CT020M	35 57 24	81 48 52	2.00	.50	.20	.200	2,000	N	N	N	50	N
9CT025M	35 58 10	81 47 13	1.00	.50	.30	.200	1,000	N	N	N	100	50
9CT029M	35 57 43	81 47 42	1.00	.30	.20	.500	1,000	N	N	N	150	<50
9CT031M	35 57 21	81 47 47	3.00	1.50	.70	.300	1,000	N	N	N	20	<50
9CT032M	35 57 16	81 48 0	.70	.30	.20	.700	1,000	N	N	N	20	<50
9CT035M	35 57 50	81 46 20	3.00	1.00	.70	1.500	2,000	N	N	N	1,000	50
9CT037M	35 57 49	81 46 52	.70	.05	.20	.150	500	N	N	N	500	N
9CT042M	35 56 59	81 47 7	1.50	.30	.50	.700	1,500	N	N	N	300	<50
9CT043M	35 57 3	81 46 59	5.00	1.00	1.50	1.000	1,500	N	N	N	3,000	50
9CT048M	35 57 33	81 45 43	5.00	.70	3.00	1.000	1,500	N	N	N	20	50
9CT054M	35 59 1	81 45 39	7.00	.50	1.00	1.000	3,000	N	N	N	70	50
9CT055M	35 59 25	81 45 56	10.00	.20	3.00	.700	3,000	N	N	N	30	50
9CT058M	35 58 40	81 49 5	5.00	.20	.20	>2.000	5,000	N	N	N	<20	N
9CT063M	35 58 44	81 48 37	.50	.30	.20	.300	700	N	N	N	50	N
9CT064M	35 58 35	81 49 8	3.00	.30	1.00	.500	1,000	N	N	N	1,500	N
9CT068M	35 59 0	81 49 33	1.50	.30	.30	.700	1,000	N	N	N	70	N
9CT069M	35 58 59	81 49 12	.20	.50	.20	.100	700	N	N	N	20	N
9CT072M	35 59 38	81 50 23	2.00	.50	.50	.300	1,000	N	N	N	2,000	N
9CT073M	35 59 7	81 51 53	10.00	.50	3.00	1.000	1,000	N	N	N	2,000	50
9LF001M	35 57 22	81 55 38	2.00	.15	1.50	.700	1,500	N	N	N	30	100
9LF001M	35 57 22	81 55 38	7.00	1.00	.20	>2.000	700	N	N	N	2,000	300
9LF002M	35 53 32	81 59 4	1.50	.20	2.00	.300	1,000	N	N	N	20	100
9LF003M	35 53 13	81 59 10	10.00	.70	5.00	.700	5,000	N	N	N	150	100
9LF003M	35 53 13	81 59 10	15.00	2.00	2.00	1.000	7,000	N	N	N	>5,000	50
9LF004M	35 55 34	81 59 40	10.00	.50	7.00	.700	2,000	N	N	N	150	100
9LF004M	35 55 34	81 59 40	10.00	1.50	3.00	1.500	5,000	N	N	N	2,000	100
9LF005M	35 56 12	81 59 31	10.00	.70	7.00	1.000	2,000	N	N	N	200	500
9LF005M	35 56 12	81 59 31	10.00	1.50	5.00	1.000	3,000	N	N	N	1,500	<50
9LF006M	35 57 21	81 58 22	7.00	.20	7.00	.500	2,000	N	N	N	1,000	<50
9LF006M	35 57 21	81 58 22	7.00	.20	5.00	.300	2,000	N	N	N	20	<50
9LF007M	35 57 11	81 59 8	7.00	.70	3.00	1.000	1,500	N	N	N	5,000	<50
9LF007M	35 57 11	81 59 8	10.00	.70	5.00	.700	3,000	N	N	N	100	50
9LF008M	35 57 32	81 59 59	10.00	1.00	5.00	1.500	1,500	N	N	N	5,000	<50
9LF008M	35 57 32	81 59 59	10.00	2.00	5.00	.500	2,000	N	N	N	500	50

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Saaple	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-8--Continued						
9CT003M	7	N	N	50	50	15	>2,000	N	N	<10	500
9CT003M	7	N	N	30	<20	10	>2,000	N	N	<10	500
9CT004M	5	N	N	20	<20	10	>2,000	N	150	<10	300
9CT005M	3	N	N	10	<20	10	2,000	N	150	N	150
9CT006M	5	N	N	10	20	10	1,500	N	150	10	70
9CT008M	3	N	N	50	30	15	2,000	N	100	10	100
9CT009M	3	N	N	30	20	<10	>2,000	N	N	N	500
9CT010M	2	N	N	30	20	15	>2,000	N	N	10	500
9CT011M	3	N	N	30	70	15	>2,000	N	200	10	500
9CT013M	2	N	N	30	<20	15	>2,000	N	N	<10	700
9CT019M	2	N	N	30	N	15	>2,000	N	N	<10	500
9CT020M	<2	N	N	30	<20	20	>2,000	N	150	<10	700
9CT025M	2	N	N	30	20	15	>2,000	N	N	<10	500
9CT029M	3	N	N	30	20	15	>2,000	N	N	10	700
9CT031M	2	N	N	30	70	10	>2,000	N	N	20	700
9CT032M	2	N	N	30	1,000	15	>2,000	N	N	<10	700
9CT035M	3	N	N	30	100	10	>2,000	N	N	10	700
9CT037M	<2	N	N	N	N	<10	>2,000	N	N	N	100
9CT042M	3	N	N	30	50	20	>2,000	N	150	<10	700
9CT043M	3	N	N	30	70	20	>2,000	N	N	20	700
9CT048M	3	N	N	20	20	20	>2,000	N	N	<10	300
9CT054M	10	N	N	30	100	20	>2,000	N	150	10	500
9CT055M	15	N	N	30	20	70	>2,000	N	70	<10	300
9CT058M	2	N	N	30	<20	10	>2,000	N	N	10	500
9CT063M	<2	N	N	30	N	15	>2,000	N	N	10	700
9CT064M	5	N	N	30	N	15	>2,000	N	N	<10	500
9CT068M	2	N	N	30	N	15	>2,000	N	N	<10	500
9CT069M	2	N	N	30	N	15	>2,000	N	N	<10	700
9CT072M	5	N	N	30	N	10	>2,000	N	300	<10	1,000
9CT073M	5	N	N	50	30	10	>2,000	N	100	15	200
9LF001M	N	N	N	20	70	10	>2,000	N	N	<10	500
9LF001M	3	N	N	50	100	500	1,000	N	200	30	100
9LF002M	N	N	N	20	70	10	>2,000	N	N	<10	500
9LF003M	N	N	N	100	70	20	>2,000	N	N	20	70
9LF003M	<2	N	N	20	150	20	1,000	15	70	30	150
9LF004M	N	N	N	100	150	10	>2,000	N	N	20	70
9LF004M	2	N	N	50	150	30	2,000	N	300	70	100
9LF005M	N	N	N	100	150	20	>2,000	N	N	30	150
9LF005M	N	N	N	30	200	15	2,000	N	100	50	150
9LF006M	N	N	N	10	100	N	>2,000	N	N	<10	70
9LF006M	N	N	N	10	200	10	2,000	N	N	10	100
9LF007M	N	N	N	50	150	10	>2,000	N	50	<10	150
9LF007M	N	N	N	30	150	30	>2,000	N	150	15	200
9LF008M	N	N	N	20	100	<10	>2,000	N	70	<10	70
9LF008M	2	N	N	30	300	20	2,000	N	N	70	70

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-8--Continued					
9CT003M	N	10	30	<200	200	N	5,000	N	1,500	N
9CT003M	N	10	N	500	150	N	5,000	N	2,000	>5,000
9CT004M	N	10	N	1,000	100	N	1,000	N	2,000	2,000
9CT005M	N	30	N	500	100	N	500	N	>2,000	700
9CT006M	N	20	N	200	70	N	300	N	>2,000	300
9CT008M	N	50	N	1,000	200	N	500	N	>2,000	500
9CT009M	N	10	30	N	50	N	5,000	N	>2,000	>5,000
9CT010M	N	10	N	<200	50	N	5,000	500	2,000	>5,000
9CT011M	N	10	N	<200	70	N	>5,000	500	2,000	>5,000
9CT013M	N	10	N	<200	50	N	5,000	700	2,000	>5,000
9CT019M	N	10	N	<200	50	N	5,000	700	2,000	>5,000
9CT020M	N	10	N	<200	30	N	>5,000	500	2,000	>5,000
9CT025M	N	10	N	<200	30	N	5,000	500	>2,000	>5,000
9CT029M	N	10	N	<200	30	N	5,000	500	>2,000	>5,000
9CT031M	N	10	N	<200	100	N	5,000	<500	>2,000	5,000
9CT032M	N	10	N	<200	30	N	>5,000	500	>2,000	>5,000
9CT035M	N	10	N	<200	100	N	>5,000	500	>2,000	5,000
9CT037M	N	50	N	<200	<20	N	1,500	N	300	200
9CT042M	N	10	N	500	30	N	>5,000	500	>2,000	>5,000
9CT043M	N	10	N	700	100	N	5,000	500	2,000	5,000
9CT048M	N	10	N	700	100	N	3,000	N	2,000	3,000
9CT054M	N	10	N	<200	70	N	>5,000	500	>2,000	5,000
9CT055M	N	10	30	500	50	N	3,000	N	>2,000	3,000
9CT058M	N	10	N	<200	100	N	5,000	500	2,000	>5,000
9CT063M	N	10	N	300	50	N	>5,000	700	2,000	>5,000
9CT064M	N	10	N	700	70	N	5,000	500	2,000	>5,000
9CT068M	N	10	N	300	50	N	5,000	500	>2,000	>5,000
9CT069M	N	10	N	300	30	N	3,000	500	2,000	>5,000
9CT072M	N	10	N	1,000	50	N	5,000	N	2,000	>5,000
9CT073M	N	10	N	1,000	<20	N	1,500	N	>2,000	2,000
9LF001M	N	10	20	500	100	N	3,000	N	2,000	>5,000
9LF001M	N	20	N	200	100	N	300	N	>2,000	200
9LF002M	N	10	20	500	100	N	3,000	N	1,000	>5,000
9LF003M	N	50	N	1,000	500	N	300	N	2,000	500
9LF003M	N	30	N	300	200	N	1,000	N	>2,000	500
9LF004M	N	70	N	1,500	500	N	300	N	1,000	500
9LF004M	N	50	N	500	200	N	1,000	N	>2,000	700
9LF005M	N	70	N	1,500	500	N	300	N	1,000	1,000
9LF005M	N	50	N	500	200	N	700	N	700	1,000
9LF006M	N	70	N	1,500	500	N	300	N	300	500
9LF006M	N	10	N	1,000	300	N	300	N	>2,000	1,000
9LF007M	N	10	<20	<200	150	N	3,000	N	1,000	5,000
9LF007M	N	10	20	1,000	200	N	1,500	N	1,500	3,000
9LF008M	N	20	20	500	200	N	1,000	N	1,000	700
9LF008M	N	10	N	500	500	N	700	N	300	1,500

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
					D-8--Continued							
9LF009M	35 59 4	81 58 55	10.00	2.00	5.00	.700	2,000	N	N	N	100	50
9LF010M	35 59 7	81 58 32	10.00	.70	7.00	.700	2,000	N	N	N	20	50
9LF011M	35 59 4	81 58 31	10.00	.70	7.00	.500	2,000	N	N	N	20	50
9LF012M	35 59 49	81 55 57	10.00	.70	.20	>2.000	1,500	N	N	N	2,000	700
9LF013M	35 59 25	81 56 3	10.00	1.00	1.50	>2.000	1,500	N	N	N	3,000	150
9LF014M	35 57 57	81 55 42	15.00	1.00	.70	>2.000	1,500	N	N	N	2,000	300
9LF015M	35 58 31	81 55 0	10.00	2.00	1.50	>2.000	1,500	N	N	N	1,500	150
9LF016M	35 59 12	81 53 38	3.00	.15	.70	.500	300	N	N	N	20	N
9LF017M	35 59 2	81 53 50	10.00	1.50	3.00	1.000	2,000	N	N	N	300	150
9LF018M	35 56 51	81 53 3	7.00	2.00	3.00	.700	2,000	N	N	N	300	150
9LF019M	35 57 11	81 52 46	2.00	.70	.50	.200	200	N	N	N	70	N
9LF020M	35 58 31	81 52 48	20.00	.10	.15	>2.000	5,000	N	N	N	30	N
9OH036M	35 51 48	81 50 45	.30	.50	.30	.070	70	N	N	N	<20	70
9OH037M	35 51 53	81 50 25	1.50	1.50	.50	.150	300	N	N	N	300	50
9OH037M	35 51 53	81 50 25	.15	.50	.20	.100	70	N	N	N	<20	N
9OH037M	35 51 53	81 50 25	1.00	.50	.20	.150	500	N	N	N	100	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle,North Carolina and South Carolina.--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
						D-8--Continued						
9LF009M	35 59 4	81 58 55	10.00	2.00	5.00	.700	2,000	N	N	N	100	50
9LF010M	35 59 7	81 58 32	10.00	.70	7.00	.700	2,000	N	N	N	20	50
9LF011M	35 59 4	81 58 31	10.00	.70	7.00	.500	2,000	N	N	N	20	50
9LF012M	35 59 49	81 55 57	10.00	.70	.20	>2.000	1,500	N	N	N	2,000	700
9LF013M	35 59 25	81 56 3	10.00	1.00	1.50	>2.000	1,500	N	N	N	3,000	150
9LF014M	35 57 57	81 55 42	15.00	1.00	.70	>2.000	1,500	N	N	N	2,000	300
9LF015M	35 58 31	81 55 0	10.00	2.00	1.50	>2.000	1,500	N	N	N	1,500	150
9LF016M	35 59 12	81 53 38	3.00	.15	.70	.500	300	N	N	N	20	N
9LF017M	35 59 2	81 53 50	10.00	1.50	3.00	1.000	2,000	N	N	N	300	150
9LF018M	35 56 51	81 53 3	7.00	2.00	3.00	.700	2,000	N	N	N	300	150
9LF019M	35 57 11	81 52 46	2.00	.70	.50	.200	200	N	N	N	70	N
9LF020M	35 58 31	81 52 48	20.00	.10	.15	>2.000	5,000	N	N	N	30	N
9OH036M	35 51 48	81 50 45	.30	.50	.30	.070	70	N	N	N	<20	70
9OH037M	35 51 53	81 50 25	1.50	1.50	.50	.150	300	N	N	N	300	50
9OH037M	35 51 53	81 50 25	.15	.50	.20	.100	70	N	N	N	<20	N
9OH037M	35 51 53	81 50 25	1.00	.50	.20	.150	500	N	N	N	100	N

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
					D-8--Continued						
9LF009M	3	N	N	30	200	10	>2,000	N	70	30	70
9LF010M	N	N	N	15	200	10	>2,000	N	500	20	300
9LF011M	N	N	N	15	200	10	2,000	N	<50	20	150
9LF012M	3	N	N	30	150	70	500	N	150	30	100
9LF013M	2	N	N	30	150	70	>2,000	N	200	30	200
9LF014M	2	N	N	70	150	70	700	N	200	50	300
9LF015M	2	N	N	50	150	30	500	N	150	70	300
9LF016M	N	N	N	10	20	10	1,000	N	N	<10	150
9LF017M	3	N	N	30	150	50	>2,000	N	150	50	500
9LF018M	3	N	N	50	200	10	>2,000	N	N	50	1,000
9LF019M	N	N	N	15	50	10	>2,000	N	N	20	100
9LF020M	2	N	N	30	20	10	>2,000	N	50	10	150
90H036M	2	N	N	30	N	<10	>2,000	N	N	N	500
90H037M	2	N	N	30	70	<10	>2,000	N	N	20	700
90H037M	N	N	N	30	<20	<10	>2,000	N	N	<10	700
90H037M	<2	N	N	30	30	<10	>2,000	N	N	10	700

Table 4.--Analytical results of the magnetic at 1.0 ampere fraction of heavy-mineral-concentrate samples from the Charlotte 1 x 2 Degree Quadrangle, North Carolina and South Carolina.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
					D-8--Continued					
9LF009M	N	10	N	300	500	N	1,000	2,000	700	1,500
9LF010M	N	10	N	1,000	500	N	1,000	N	1,000	3,000
9LF011M	N	10	N	1,000	500	N	700	N	>2,000	1,000
9LF012M	N	20	N	<200	150	N	200	N	>2,000	<200
9LF013M	N	10	N	500	150	N	1,000	N	>2,000	1,500
9LF014M	N	20	500	300	100	N	200	500	>2,000	N
9LF015M	N	30	N	300	150	N	300	N	2,000	N
9LF016M	N	10	N	300	50	N	150	N	500	N
9LF017M	N	10	N	500	200	N	1,000	N	>2,000	2,000
9LF018M	N	10	20	500	200	N	3,000	N	1,000	>5,000
9LF019M	N	30	N	N	20	N	300	N	100	300
9LF020M	N	50	200	N	100	N	700	1,000	>2,000	700
9OH036M	N	10	N	500	50	N	5,000	<500	2,000	>5,000
9OH037M	N	10	N	500	70	N	5,000	<500	2,000	>5,000
9OH037M	N	10	N	500	50	N	5,000	500	2,000	>5,000
9OH037M	N	10	N	500	50	N	>5,000	500	2,000	>5,000