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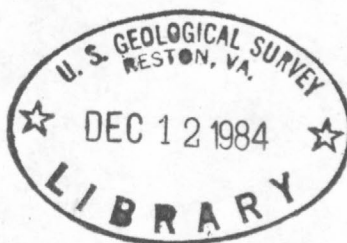
UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Analytical results from a geochemical survey of  
St. Thomas and St. John, U.S. Virgin Islands,  
using soil, rock, and panned concentrate samples

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by

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.



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## INTRODUCTION

The U.S. Geological Survey began multidisciplinary studies of the U.S. Virgin Islands in 1983. These studies are being conducted to assist the Government of the Islands by providing necessary information for future planning and resource appraisal. The initial phase of the geochemical study was designed to examine the regional geochemical characteristics of the Islands.

The U.S. Virgin Islands are located in the Greater Antilles island arc some 40 miles east of Puerto Rico (figure 1). The major islands include St. Thomas, St. John, and St. Croix. There are about 50 smaller islands in the study area, concentrated near St. Thomas and St. John.

St. Thomas is 12 miles long by approximately 3 miles wide and contains some 19,000 acres. St. John is 7 miles long, on the average is 3 miles wide, and contains some 12,000 acres. The topography of both islands is mountainous. The highest elevation on St. Thomas is 1556 feet (Crown Mountain) and 1277 feet on St. John (Bordeaux Mountain). The islands have very irregular coastlines with many bays and offshore islets. There are only a few free-flowing streams, and these are intermittent at certain elevations. The climate is tropical, but annual rainfall is generally less than 50 inches in the higher elevations. Many of the small outer islands receive much less rainfall and are considered arid. Second-growth forests now cover much of both islands which were formally cultivated fields or plantations.

The geology of St. Thomas and St. John has been studied by many researchers including Cleve (1871, 1881), Earle (1924), Meyerhoff (1926), and more recently by Donnelly (1959, 1966). The general structural relationships have been taken from Donnelly (1966). The oldest rocks in the study area occur along the southern coasts of both islands. These rocks are a series of felsic tuffs, flows, and small intrusives. Mafic dikes and radiolarite beds are found locally within the felsic sequence and are collectively called the Water Island Formation.

The Louisenhoj Formation unconformably overlies the Water Island Formation. This unit is a sequence of pyroclastic to epiclastic rocks composed of augite andesite. The central region of St. Thomas and the northern third of St. John are composed of these rocks.

Overlying the Louisenhoj Formation is the Outer Brass Limestone. The Tutu Formation overlies the Outer Brass Limestone and consists of fine- to coarse-grained volcanic wackes and limestone. The Hans Lollik Formation overlies the Tutu Formation and crops out on Hans Lollik Island. This unit is similar in texture and composition to the Louisenhoj Formation.

## SAMPLE COLLECTION, PREPARATION AND ANALYSIS

Rock, soil, minus-80-mesh stream sediment, and panned concentrate samples were collected during two field sessions (in 1983) from St. Thomas and St. John, U.S. Virgin Islands. Drainage basins with an areal extent generally less than 0.25 square miles were sampled. At each drainage site four different samples were collected. A 10- to 15-pound composite sample of the sediment was collected for panning. A 0.5-pound composite sample was



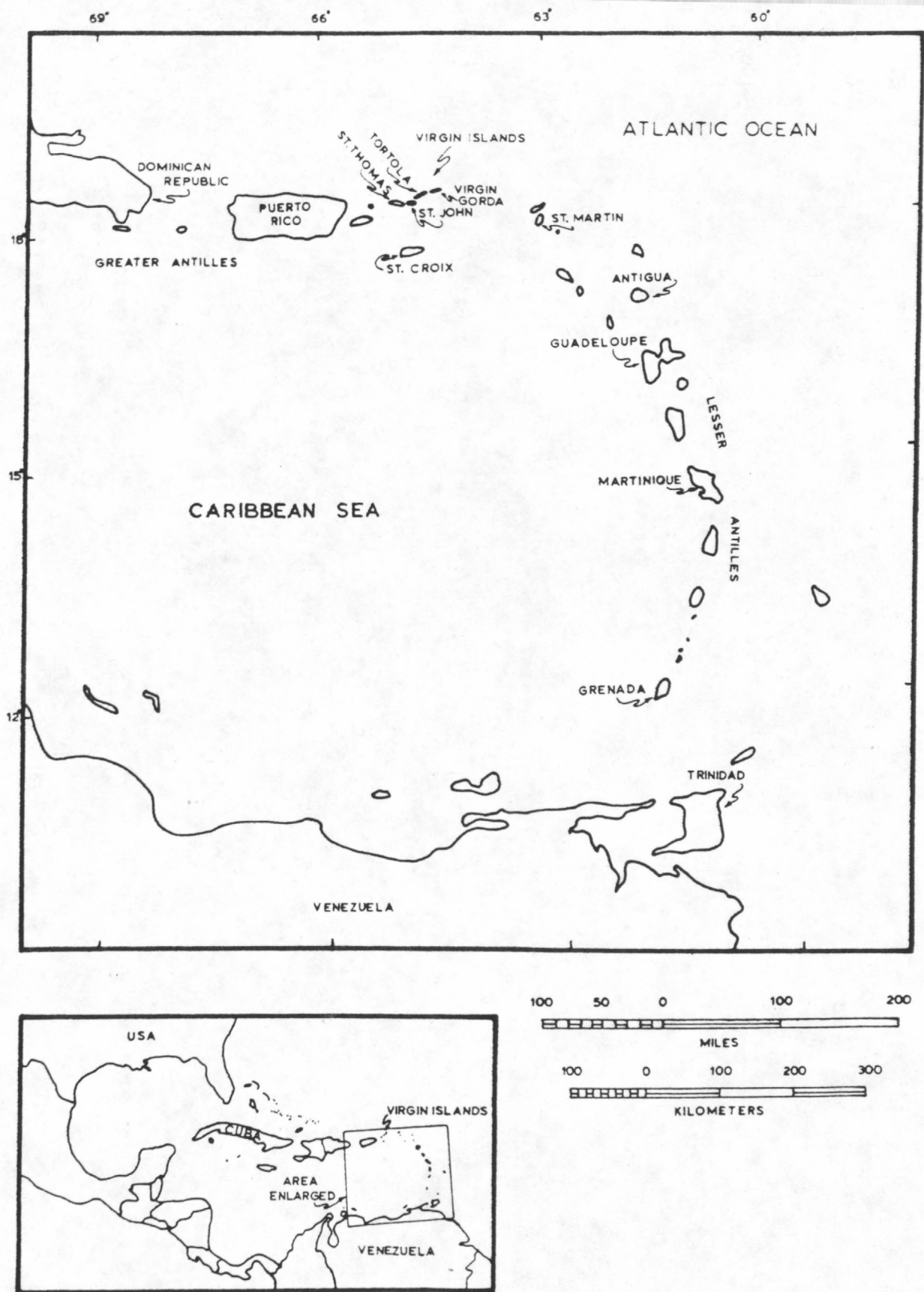


Figure 1.--Index map of the Virgin Islands and vicinity.

collected and later sieved to minus-80-mesh. A 0.5- to 1-pound soil sample was collected near the sediment site and, when present, approximately 1 pound of rock chips were collected from a outcrop. At some drainage basin sites and areas where no drainage basin was developed, a 10- to 15-pound soil sample was collected and panned as well as a minus-80-mesh and outcrop sample. It should be noted that few drainage basins showed the rather classic sediment development observed in the western United States. The sample localities for St. Thomas and St. John are given in figures 2 and 3, respectively.

All the samples were oven dried at 250°F for approximately six hours, except the panned concentrates, which were air dried. The soils were disaggregated, sieved, and the minus-80-mesh fraction was analyzed. The rocks were pulverized using ceramic plates. The panned concentrate samples were sieved to minus-20-mesh then placed in bromoform (density 2.86) to separate two mineral fractions relative to their densities. The light fraction contains minerals such as feldspars, quartz, and calcite. The heavy-mineral fraction may contain rock-forming minerals such as biotite, amphiboles, pyroxenes, accessory minerals such as magnetite, ilmenite, sphene, zircon, and monazite and primary and(or) secondary minerals related to metallization processes such as metal sulfides, sulfates, carbonates, and oxides. The magnetite and other very magnetic minerals were removed using a hand magnet. Further mineral separation was completed using a Frantz Isodynamic Separator with a forward slope of 25° and side slope of 15°. A setting of 0.2 amperes was used to remove any very magnetic minerals left in the concentrate. The concentrate was run through the Frantz a second time at a setting of 1.0 amperes. A magnetic fraction, those minerals attracted by the magnet, and a nonmagnetic fraction were collected and analyzed.

The minerals are separated by the Frantz on the basis of varying magnetic susceptibility (Flinter, 1959; Hess, 1956; Nickel, 1968 and 1969) which depends primarily on the degree of paramagnetism exhibited by the mineral. The paramagnetic properties of a mineral often reflect the amount of paramagnetic ions such as  $\text{Fe}^{2+}$  in the crystal lattice (Hurlbut, 1971; McAndrew, 1957; and Rosenblum, 1958).

All samples were analyzed by the six-step D.C.-arc semiquantitative emission spectrographic method (Grimes and Marranzino, 1968) for 31 elements. All of the analytical values are reported as six steps per order of magnitude (1, 1.5, 2, 3, 5, 7 or multiples of 10). These values approximate the geometric midpoints of successive concentration ranges (Grimes and Marranzino, 1968).

This analytical method utilizes a series of elemental standards against which the elemental concentrations in the samples are compared. If a sample contains elemental concentrations above the highest standard used (table 1), the elemental concentration is represented by a "greater than" symbols (>) before the upper standard. If a sample contains elemental concentrations below the lowest standard (table 1), two code designations can be assigned for the elemental concentration. If the sample concentration is slightly below the lowest standard, the elemental concentration is represented by a "less than" symbol (<) before the lower standard. If the sample concentration is not detected, the elemental concentration is given and "N" code. The six-step D.C.-arc emission spectrographic method provides reproducibility within one geometric interval of the reported value approximately 86 percent of the time



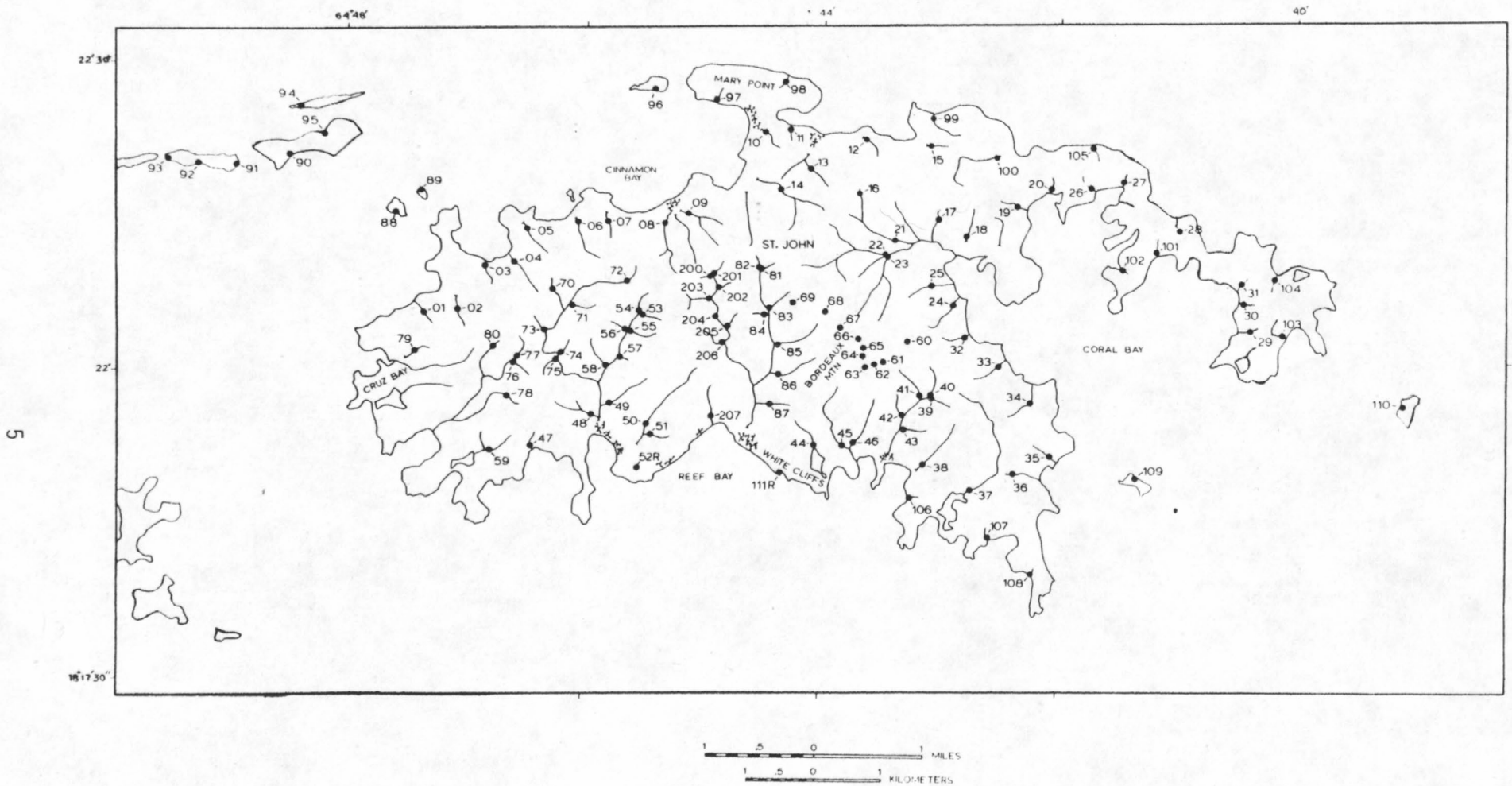


Figure 3.--Sampling sites on St. John, U.S. Virgin Islands.

TABLE 1.--Limits of determination for the spectrographic analysis of rocks and stream sediments, based on a 10-mg sample

[The spectrographic limits of determination for heavy-mineral-concentrate samples are two reporting units higher than the limits given for rocks and stream sediments]

Elements	Lower determination limit	Upper determination limit
Percent		
Iron (Fe)	0.05	20
Magnesium (Mg)	.02	10
Calcium (Ca)	.05	20
Titanium (Ti)	.002	1
Parts per million		
Manganese (Mn)	10	5,000
Silver (Ag)	0.5	5,000
Arsenic (As)	200	10,000
Gold (Au)	10	500
Boron (B)	10	2,000
Barium (Ba)	20	5,000
Beryllium (Be)	1	1,000
Bismuth (Bi)	10	1,000
Cadmium (Cd)	20	500
Cobalt (Co)	5	2,000
Chromium (Cr)	10	5,000
Copper (Cu)	5	20,000
Lanthanum (La)	20	1,000
Molybdenum (Mo)	5	2,000
Niobium (Nb)	20	2,000
Nickel (Ni)	5	5,000
Lead (Pb)	10	20,000
Antimony (Sb)	100	10,000
Scandium (Sc)	5	100
Tin (Sn)	10	1,000
Strontium (Sr)	100	5,000
Vanadium (V)	10	10,000
Tungsten (W)	50	10,000
Yttrium (Y)	10	2,000
Zinc (Zn)	200	10,000
Zirconium (Zr)	10	1,000
Thorium (Th)	100	2,000



and within two geometric intervals of the reported value approximately 96 percent of the time (Motooka and Grimes, 1976). The analytical results for the soils, rocks, and minus-80-mesh fraction of the stream-sediment samples are given in tables 2, 3, and 4, respectively.

A representative split of the magnetic and nonmagnetic fraction from the panned concentrate was pulverized in an agate crucible and analyzed by a modified version of the six-step D.C.-arc semiquantitative emission spectrographic method described by Grimes and Marranzino (1968). A modification of the method was necessary for the analysis of the nonmagnetic heavy-mineral-concentrate samples to eliminate spectral interferences produced by matrix effects characteristic of this sample type. The effect of this modification was a loss of sensitivity resulting in an increase of all lower limits of determination by two geometric intervals. The analytical results for the magnetic and nonmagnetic fractions of the panned concentrates are given in tables 5 and 6, respectively.

An oxalic acid leach was performed on the mineral grains less dense than bromoform from the panned concentrate fraction. The size fraction was minus-20-mesh to approximately plus-80-mesh. The oxalic acid dissolved the Fe-Mn coatings on the mineral grains (Alminas and Mosier, 1975). Twenty-five ml of a 5% oxalic acid solution (weight/volume) was added to 5 g of sample and boiled for 10 minutes. The hot leachate was filtered, evaporated to dryness, then heated for 4 hours at 450°C to roast off the oxalate. The oxide powder was analyzed by the six-step D.C.-arc emission spectrographic method. The data results are given in table 7.

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TABLE 2.--Analytical results for minus-80-mesh soil samples collected on St. Thomas and St. John, U.S. Virgin Islands

[N, not detected; &lt;, detected but below the limit of determination shown; &gt;, determined to be greater than the value shown]

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR
84SJ001	18 20 27	64 47 22	3	.7	2	.7	1,000	N	N	N	20	300	<1	N	N	7	30
84SJ002	18 20 29	64 47 6	3	2	7	.3	1,500	N	N	N	20	150	<1	N	N	7	20
84SJ003	18 20 49	64 46 51	5	2	3	.7	1,500	N	N	N	20	150	N	N	N	20	70
84SJ004	18 20 53	64 46 36	5	2	2	.5	1,500	N	N	N	20	150	N	N	N	15	50
84SJ005	18 21 8	64 46 30	7	2	3	.7	2,000	N	N	N	30	200	<1	N	N	30	50
84SJ006	18 21 12	64 46 5	7	2	3	.7	1,500	N	N	N	30	200	<1	N	N	15	50
84SJ007	18 21 12	64 45 49	5	2	3	.5	1,500	N	N	N	30	150	<1	N	N	15	70
84SJ008	18 21 12	64 45 21	5	2	3	.5	1,500	N	N	N	20	200	N	N	N	15	50
84SJ009	18 21 16	64 45 9	5	2	1.5	.5	1,500	N	N	N	30	150	N	N	N	15	20
84SJ010	18 21 57	64 44 29	5	2	1.5	.7	2,000	N	N	N	20	300	<1	N	N	15	30
84SJ011	18 21 57	64 44 17	5	2	2	1	2,000	N	N	N	30	500	<1	N	N	15	50
84SJ012	18 21 54	64 43 40	5	2	10	.5	1,500	N	N	N	15	1,000	<1	N	N	20	50
84SJ013	18 21 38	64 44 6	5	2	5	.5	1,500	N	N	N	20	300	N	N	N	15	50
84SJ014	18 21 28	64 44 22	7	2	2	.7	1,000	N	N	N	<10	150	<1	N	N	20	70
84SJ015	18 21 50	64 43 6	7	3	5	1	1,500	N	N	N	10	1,000	<1	N	N	30	70
84SJ016	18 21 27	64 43 42	3	1	1	.3	1,500	N	N	N	N	150	N	N	N	10	20
84SJ017	18 21 15	64 43 2	3	1.5	1.5	.5	1,500	N	N	N	20	100	N	N	N	10	20
84SJ018	18 21 7	64 42 48	10	2	1.5	.7	1,500	N	N	N	15	150	N	N	N	30	20
84SJ020	18 21 30	64 42 4	10	2	2	1	2,000	N	N	N	N	700	1	N	N	20	20
84SJ021	18 21 4	64 43 24	5	1.5	1.5	.7	1,500	N	N	N	N	200	N	N	N	10	30
84SJ022	18 20 57	64 43 29	3	1	1.5	.5	1,000	N	N	N	10	150	<1	N	N	5	30
84SJ023	18 20 55	64 43 27	3	1	1.5	.7	1,500	N	N	N	10	500	<1	N	N	7	20
84SJ025	18 20 42	64 43 5	5	1.5	2	.7	3,000	N	N	N	N	200	N	N	N	10	20
84SJ026	18 21 29	64 41 45	2	.5	1	.3	1,000	N	N	N	20	200	N	N	N	<5	20
84SJ027	18 21 33	64 41 27	3	.7	1.5	.5	1,000	N	N	N	15	300	N	N	N	5	50
84SJ028	18 21 9	64 40 59	10	3	.5	1	2,000	N	N	N	30	70	N	N	N	30	30
84SJ029	18 20 20	64 40 23	10	2	1	1	2,000	N	N	N	20	200	N	N	N	20	70
84SJ030	18 20 33	64 40 26	10	2	1.5	1	2,000	N	N	N	15	150	N	N	N	20	70
84SJ032	18 20 17	64 42 49	3	1	1.5	.7	1,000	N	N	N	20	300	N	N	N	5	20
84SJ033	18 20 3	64 42 31	5	1.5	2	1	1,500	N	N	N	15	150	N	N	N	10	30
84SJ034	18 19 44	64 42 14	3	2	1	1	1,000	N	N	N	30	150	N	N	N	15	50
84SJ035	18 19 19	64 42 5	7	2	1	1	2,000	N	N	N	20	300	N	N	N	10	50
84SJ036	18 19 10	64 42 23	7	2	.5	.7	700	N	N	N	15	200	N	N	N	10	150
84SJ037	18 19 3	64 42 45	2	.7	1.5	.5	1,000	N	N	N	20	200	N	N	N	N	50
84SJ038	18 19 15	64 43 9	10	2	2	1	1,500	N	N	N	20	200	N	N	N	20	70
84SJ042	18 19 39	64 43 20	5	1	1.5	.7	1,000	N	N	N	20	300	N	N	N	10	50
84SJ044	18 19 24	64 44 4	2	1	2	.5	700	3.0	N	N	30	150	<1	N	N	<5	20
84SJ046	18 19 26	64 43 44	3	1.5	2	.5	700	N	N	N	30	200	N	N	N	5	50
84SJ048	18 19 39	64 45 57	5	1.5	1	.7	700	N	N	N	20	150	N	N	N	7	20
84SJ049	18 19 44	64 45 48	3	.7	1.5	.7	700	N	N	N	30	300	N	N	N	<5	20
84SJ050	18 19 35	64 45 30	5	1	1	.7	1,000	N	N	N	30	300	N	N	N	10	30
84SJ051	18 19 29	64 45 27	3	2	.15	.7	1,000	N	N	N	30	500	N	N	N	<5	15
84SJ053	18 20 27	64 45 32	7	2	3	.7	1,500	N	N	N	N	500	N	N	N	10	50
84SJ054	18 20 29	64 45 34	7	2	3	1	1,000	N	N	N	15	150	N	N	N	15	70
84SJ055	18 20 19	64 45 36	5	2	2	.7	1,000	N	N	N	20	150	N	N	N	10	150

TABLE 2.--Continued

SAMPLE	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
84SJ001	70	20	N	N	15	20	N	7	N	300	200	N	20	N	150	N
84SJ002	100	20	N	N	10	20	N	5	N	150	150	N	15	N	30	N
84SJ003	100	<20	N	N	20	15	N	10	N	150	300	N	15	N	30	N
84SJ004	100	<20	N	N	20	15	N	15	N	150	300	N	20	N	50	N
84SJ005	150	<20	N	N	50	30	N	20	N	150	300	N	20	N	50	N
84SJ006	100	<20	N	N	20	30	N	20	N	200	300	N	20	N	70	N
84SJ007	100	N	N	N	20	15	N	20	N	150	300	N	20	N	50	N
84SJ008	100	20	N	N	20	10	N	20	N	200	300	N	20	N	50	N
84SJ009	150	N	N	N	15	10	N	20	N	100	300	N	20	N	20	N
84SJ010	100	N	N	N	10	15	N	15	N	150	200	N	20	N	50	N
84SJ011	150	<20	N	N	20	30	N	20	N	300	200	N	30	N	70	N
84SJ012	300	N	N	N	70	<10	N	10	N	500	200	N	20	N	50	N
84SJ013	200	N	N	N	20	70	N	15	N	1,000	200	N	20	N	50	N
84SJ014	200	N	N	N	15	10	N	20	N	150	300	N	20	N	50	N
84SJ015	200	<20	N	N	70	20	N	20	N	700	300	N	30	N	100	N
84SJ016	300	N	N	N	<5	<10	N	15	N	N	300	N	15	N	15	N
84SJ017	200	<20	N	N	<5	15	N	10	N	N	300	N	20	N	20	N
84SJ018	500	N	N	N	15	<10	N	30	N	<100	500	N	20	N	30	N
84SJ020	150	<20	20	N	15	10	N	20	N	300	300	<50	70	N	200	N
84SJ021	70	<20	N	N	5	10	N	15	N	150	200	N	20	N	50	N
84SJ022	30	<20	N	N	5	10	N	10	N	100	150	N	20	N	70	N
84SJ023	70	<20	N	N	5	20	N	10	N	100	150	N	30	N	70	N
84SJ025	100	<20	N	N	10	10	N	10	N	<100	300	N	20	N	50	N
84SJ026	30	<20	N	N	<5	10	N	5	N	100	70	N	30	N	70	N
84SJ027	30	<20	N	N	7	15	N	5	N	100	150	N	30	N	100	N
84SJ028	200	<20	N	N	15	10	N	15	N	N	500	N	30	N	50	N
84SJ029	300	N	50	N	70	10	N	20	N	<100	300	N	30	N	100	N
84SJ030	70	N	N	N	20	15	N	20	N	100	300	N	30	N	100	N
84SJ032	30	20	N	N	10	20	N	15	N	150	150	N	30	N	100	N
84SJ033	70	N	N	N	20	50	N	20	<10	300	200	N	30	N	100	N
84SJ034	70	N	N	N	20	50	N	20	N	100	200	N	30	N	70	N
84SJ035	100	N	N	N	15	15	N	15	N	N	200	N	30	N	150	N
84SJ036	70	N	N	N	50	15	N	20	N	N	300	N	30	N	70	N
84SJ037	30	<20	N	N	<5	<10	N	7	N	N	150	N	30	N	70	N
84SJ038	200	N	N	N	70	10	N	30	N	100	500	N	30	N	70	N
84SJ042	70	<20	N	N	20	10	N	20	N	150	200	N	30	N	150	N
84SJ044	30	<20	100	N	20	10	N	10	N	100	100	<50	50	N	70	N
84SJ046	50	<20	N	N	5	50	N	10	50	200	150	N	30	N	100	N
84SJ048	50	<20	N	N	5	15	N	20	N	<100	150	N	50	N	70	N
84SJ049	70	<20	N	N	7	15	N	10	N	150	150	N	30	N	100	N
84SJ050	70	<20	N	N	15	15	N	15	N	N	200	N	30	N	100	N
84SJ051	500	<20	N	N	<5	15	N	10	N	N	70	N	30	N	150	N
84SJ053	150	N	N	N	7	20	N	30	N	200	700	N	30	N	70	N
84SJ054	200	N	N	N	20	30	N	30	N	300	700	N	20	N	50	N
84SJ055	50	N	N	N	20	10	N	20	N	200	300	N	20	N	70	N

TABLE 2.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CK
84SJ056	18 20 21	64 45 41	7	2	3	1	2,000	N	N	N	20	150	N	N	N	15	200
84SJ057	18 20 7	64 45 42	2	.3	1.5	.7	500	N	N	N	20	150	<1	N	N	5	15
84SJ058	18 20 4	64 45 51	3	.7	1.5	.7	1,000	N	N	N	30	200	<1	N	N	7	30
84SJ059	18 19 22	64 46 48	10	2	3	.7	2,000	N	N	N	20	300	N	N	N	30	50
84SJ060	18 20 15	64 43 17	2	1	.2	.3	500	<.5	N	N	30	3,000	<1	N	N	N	20
84SJ061	18 20 5	64 43 29	5	1	2	1	1,000	N	N	N	50	700	<1	N	N	10	20
84SJ062	18 20 4	64 43 34	3	1	.2	.5	500	N	N	N	20	700	<1	N	N	<5	15
84SJ063	18 20 2	64 43 39	3	.7	.5	.5	300	N	N	N	10	1,000	<1	N	N	10	15
84SJ064	18 20 8	64 43 40	5	.3	.05	.5	700	N	N	N	30	700	<1	N	N	20	20
84SJ065	18 20 11	64 43 40	10	.2	<.05	.7	70	N	N	N	30	5,000	N	N	N	N	50
84SJ066	18 20 16	64 43 42	5	.3	<.05	.7	70	N	N	N	30	500	<1	N	N	N	15
84SJ067	18 20 21	64 43 51	3	.7	<.05	1	150	N	N	N	20	3,000	N	<10	N	N	20
84SJ068	18 20 29	64 43 59	2	.7	1	.5	700	N	N	N	30	300	<1	N	N	5	15
84SJ069	18 20 33	64 44 15	7	3	1.5	.7	700	N	N	N	10	300	<1	N	N	10	70
84SJ070	18 20 39	64 46 18	10	3	5	.7	1,000	N	N	N	20	150	N	N	N	30	150
84SJ071	18 20 32	64 46 7	7	1	5	.7	1,500	N	N	N	30	300	N	N	N	20	70
84SJ072	18 20 43	64 45 40	7	1.5	5	.7	1,000	N	N	N	30	300	N	N	N	10	100
84SJ073	18 20 20	64 46 22	3	.7	.7	.5	700	N	N	N	30	200	<1	N	N	5	30
84SJ074	18 20 9	64 46 13	3	.7	1.5	.7	1,000	N	N	N	20	300	<1	N	N	5	20
84SJ075	18 20 5	64 46 16	5	.7	1.5	1	700	N	N	N	30	300	<1	N	N	7	20
84SJ076	18 20 4	64 46 37	5	1	3	.7	1,000	N	N	N	30	300	<1	N	N	10	30
84SJ077	18 20 7	64 46 36	5	2	1.5	.7	700	N	N	N	30	200	<1	N	N	10	70
84SJ078	18 19 47	64 46 40	3	.7	1.5	.5	1,000	N	N	N	30	150	N	N	N	10	100
84SJ079	18 20 10	64 47 27	5	1.5	2	.7	1,000	N	N	N	30	200	<1	N	N	10	150
84SJ081	18 20 50	64 44 31	5	2	1	.7	1,500	N	N	N	15	150	<1	N	N	10	30
84SJ082	18 20 51	64 44 32	5	2	1.5	1	2,000	N	N	N	20	300	<1	N	N	10	50
84SJ083	18 20 31	64 44 27	7	2	1.5	.7	1,500	N	N	N	30	200	<1	N	N	10	10
84SJ084	18 20 28	64 44 30	5	2	1.5	.7	700	N	N	N	20	200	<1	N	N	10	10
84SJ085	18 20 14	64 44 23	7	2	1.5	.7	1,000	N	N	N	20	300	<1	N	N	10	10
84SJ086	18 19 58	64 44 23	3	1	.3	.7	700	N	N	N	20	150	<1	N	N	5	10
84SJ087	18 19 44	64 44 27	3	1	1.5	.7	1,500	N	N	N	30	300	<1	N	N	10	15
84SJ088	18 21 17	64 47 36	5	2	2	.7	700	N	N	N	20	500	<1	N	N	20	30
84SJ090	18 21 45	64 48 31	5	2	1.5	1	1,500	N	N	N	50	500	<1	N	N	15	20
84SJ091	18 21 38	64 49 0	10	2	2	1	2,000	N	N	N	10	700	N	N	N	30	20
84SJ092	18 21 41	64 49 16	5	1.5	3	.7	1,500	N	N	N	30	1,000	<1	N	N	10	10
84SJ093	18 21 43	64 49 31	5	2	20	.7	1,500	N	N	N	10	700	N	N	N	15	10
84SJ094	18 22 9	64 48 25	5	2	10	.7	1,500	N	N	N	30	500	<1	N	N	10	15
84SJ097	18 22 13	64 44 55	5	1.5	2	.7	1,500	N	N	N	30	1,000	<1	N	N	10	15
84SJ098	18 22 21	64 44 20	5	1.5	2	1	1,500	N	N	N	20	700	<1	N	N	10	20
84SJ099	18 22 3	64 43 5	7	2	3	1	1,500	N	N	N	10	700	<1	N	N	15	10
84SJ100	18 21 44	64 42 32	7	1.5	2	1	2,000	N	N	N	30	150	N	N	N	15	20
84SJ101	18 20 58	64 41 11	7	3	2	.7	1,500	N	N	N	15	100	<1	N	N	20	70
84SJ102	18 20 49	64 41 27	7	3	2	.7	2,000	N	N	N	20	100	N	N	N	30	200
84SJ103	18 20 18	64 40 6	3	1.5	.5	.7	1,000	N	N	N	20	150	<1	N	N	10	10
84SJ104	18 20 44	64 40 10	5	1.5	1.5	.7	1,000	N	N	N	15	200	N	N	N	7	15



TABLE 2.--Continued

SAMPLE	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-U	S-W	S-Y	S-ZN	S-ZR	S-TH
84SJ056	100	<20	10	N	70	15	N	30	N	200	500	N	30	N	70	N
84SJ057	10	<20	N	N	5	<10	N	10	N	100	150	N	20	N	70	N
84SJ058	30	<20	N	N	10	10	N	15	N	100	150	N	30	N	100	N
84SJ059	500	N	15	N	100	15	N	30	15	500	300	N	30	N	100	N
84SJ060	500	<20	N	N	10	100	N	5	N	N	500	N	10	3,000	70	N
84SJ061	100	<20	N	N	10	30	N	20	N	500	300	N	30	N	150	N
84SJ062	15	N	N	N	10	20	N	15	N	<100	150	N	30	N	100	N
84SJ063	20	N	N	N	10	<10	N	15	N	<100	200	N	30	N	100	N
84SJ064	300	<20	N	N	10	70	N	5	N	N	200	N	20	500	70	N
84SJ065	700	<20	100	N	10	150	N	5	N	N	300	N	20	N	100	N
84SJ066	700	<20	20	N	7	15	N	10	N	N	200	N	30	N	200	N
84SJ067	500	N	200	N	10	30	N	10	N	N	200	N	15	N	200	N
84SJ068	20	<20	N	N	10	<10	N	10	N	100	150	N	30	N	100	N
84SJ069	30	N	N	N	30	10	N	20	N	100	300	N	30	N	200	N
84SJ070	200	N	N	N	70	20	N	30	N	300	700	N	30	N	70	N
84SJ071	150	<20	N	N	20	20	N	30	N	500	700	N	30	N	70	N
84SJ072	100	<20	N	N	15	30	N	30	N	300	700	N	30	N	70	N
84SJ073	50	20	N	N	7	10	N	5	N	N	150	N	30	N	100	N
84SJ074	10	<20	N	N	<5	<10	N	5	N	N	70	N	20	N	150	N
84SJ075	50	<20	N	N	5	10	N	15	N	150	200	N	30	N	150	N
84SJ076	70	<20	N	N	10	10	N	20	N	300	500	N	20	N	100	N
84SJ077	70	N	N	N	70	10	N	10	N	300	300	N	15	N	100	N
84SJ078	100	<20	N	N	15	10	N	20	N	100	300	N	20	N	30	N
84SJ079	70	<20	N	N	20	15	N	15	N	500	300	N	20	N	100	N
84SJ081	50	<20	N	N	15	10	N	20	N	<100	200	N	20	N	70	N
84SJ082	100	<20	N	N	20	15	N	15	N	150	200	N	30	N	100	N
84SJ083	50	N	N	N	15	15	N	20	N	200	200	N	50	N	100	N
84SJ084	50	N	N	N	15	10	N	20	N	150	300	N	30	N	100	N
84SJ085	150	N	15	N	15	15	N	20	N	100	200	N	30	200	100	N
84SJ086	30	<20	N	N	10	10	N	10	N	N	100	N	30	N	100	N
84SJ087	50	<20	N	N	10	10	N	10	N	300	150	N	30	N	70	N
84SJ088	150	<20	N	N	30	15	N	15	N	300	200	N	20	N	70	N
84SJ090	200	<20	N	N	15	20	N	10	N	300	200	N	20	N	150	N
84SJ091	500	N	N	N	15	10	N	30	N	500	500	N	30	N	50	N
84SJ092	150	<20	N	N	15	200	N	7	100	1,000	200	N	20	200	100	N
84SJ093	100	N	N	N	15	15	N	10	N	2,000	200	N	20	N	50	N
84SJ094	100	<20	N	N	7	100	N	10	N	700	200	N	20	N	70	N
84SJ097	200	<20	N	N	20	20	N	15	N	300	200	N	30	N	100	N
84SJ098	150	N	N	N	15	20	N	10	N	500	200	N	20	N	70	N
84SJ099	200	N	N	N	15	50	N	20	N	300	300	N	30	N	70	N
84SJ100	70	N	30	N	15	10	N	20	N	150	300	N	30	N	50	N
84SJ101	100	N	N	N	30	10	N	30	N	100	500	N	20	N	50	N
84SJ102	300	N	N	N	30	10	N	20	N	100	300	N	30	N	70	N
84SJ103	70	<20	N	N	7	<10	N	7	N	N	150	N	30	N	100	N
84SJ104	30	<20	N	N	7	10	N	7	N	<100	200	N	30	N	70	N

TABLE 2.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CE	S-CR
84SJ105	18 21 48	64 41 43	7	3	3	.7	1,500	N	N	N	20	300	<1	N	N	15	20
84SJ106	18 18 59	64 43 15	3	1.5	1	.7	1,000	N	N	N	50	500	1	N	N	5	10
84SJ107	18 18 40	64 42 36	7	2	2	.7	1,000	N	N	N	15	100	N	N	N	20	20
84SJ108	18 18 22	64 42 13	7	2	2	.7	1,500	N	N	N	15	100	N	N	N	30	20
84SJ109	18 19 8	64 41 21	3	.7	.7	.7	700	N	N	N	10	150	<1	N	N	7	10
84SJ110	18 19 43	64 39 5	7	3	2	1	1,500	N	N	N	20	150	N	N	N	30	150
84SJ200	18 20 46	64 44 59	3	.7	1.5	.7	700	N	N	N	15	150	N	N	N	10	20
84SJ201	18 20 47	64 44 56	2	.3	1	.5	300	N	N	N	20	200	<1	N	N	5	20
84SJ202	18 20 40	64 44 52	2	.5	1	.3	300	N	N	N	20	200	<1	N	N	N	10
84SJ203	18 20 35	64 44 59	5	1.5	1.5	.7	1,000	N	N	N	15	150	N	N	N	10	10
84SJ205	18 20 22	64 44 48	2	1	1	.5	1,000	N	N	N	50	200	<1	N	N	5	10
84SJ206	18 20 14	64 44 52	3	.5	.5	.5	700	N	N	N	30	200	1	N	N	5	15
84SJ207	18 19 38	64 44 56	5	2	2	1	1,000	N	N	N	20	150	N	N	N	15	50
83ST001S	18 20 46	64 53 14	5	1	.3	.5	700	N	N	N	10	700	N	N	N	10	15
83ST002S	18 20 48	64 52 44	5	1.5	1.5	.5	1,500	N	N	N	15	500	<1	N	N	15	70
83ST003S	18 20 23	64 51 58	5	1.5	2	.5	1,000	N	N	N	10	150	N	N	N	20	30
83ST004S	18 19 15	64 50 24	5	2	1	.3	1,000	<.5	N	N	10	100	N	N	N	20	100
83ST005S	18 19 36	64 50 13	5	1.5	2	.3	1,000	N	N	N	<10	70	N	N	N	30	50
83ST006S	18 19 2	64 49 40	7	2	2	.3	1,000	N	N	N	10	70	N	N	N	30	150
83ST007S	18 18 41	64 49 41	7	1.5	1	.5	1,500	N	N	N	20	100	N	N	N	15	30
83ST008S	18 17 52	64 49 2	2	.15	.07	.3	100	N	N	N	20	150	<1	N	N	N	10
83ST009S	18 18 0	64 49 25	2	1	.07	.3	1,000	N	N	N	15	300	<1	N	N	5	20
83ST010S	18 18 6	64 49 34	1.5	.3	.07	.3	1,300	N	N	N	15	200	<1	N	N	<5	10
83ST011S	18 18 10	64 49 44	7	1	.2	.7	1,000	N	N	N	10	300	N	N	N	15	50
83ST012S	18 18 54	64 50 50	7	2	2	.5	2,000	N	N	N	10	300	<1	N	N	10	<10
83ST013S	18 18 33	64 51 52	5	1	.1	.3	1,000	3	N	N	10	1,000	1	N	N	10	20
83ST014S	18 18 26	64 52 14	7	.3	.07	.7	2,000	N	N	N	15	100	N	N	N	50	100
83ST015S	18 18 24	64 52 28	7	1.5	1	.7	1,500	N	N	N	15	700	N	N	N	20	50
83ST017S	18 19 18	64 56 34	5	1.5	1	.3	1,500	N	N	N	10	150	<1	N	N	10	70
83ST018S	18 19 19	64 57 7	5	1	.5	13	1,500	N	N	N	15	150	<1	N	N	5	10
83ST019S	18 18 42	64 57 37	3	1	.7	.3	1,000	N	N	N	<10	200	N	N	N	10	10
83ST021S	18 18 27	65 0 6	1.5	.7	.07	.2	700	N	N	N	20	200	<1	N	N	5	20
83ST022S	18 21 15	64 59 39	3	1	1.5	.2	1,000	N	N	N	30	100	N	N	N	15	30
83ST023S	18 20 47	64 58 36	5	1.5	2	.3	1,000	N	N	N	50	200	N	N	N	20	30
83ST024S	18 20 21	64 50 42	3	.3	7	.2	1,000	N	N	N	N	30	N	N	N	10	15
83ST025S	18 21 17	64 52 54	5	1.5	.5	.5	1,000	N	N	N	15	300	N	N	N	20	30
83ST027S	18 21 52	64 53 35	5	2	3	.5	1,500	N	N	N	10	500	N	N	N	30	30
83ST029S	18 24 7	64 54 45	5	1.5	2	.5	1,000	N	N	N	10	200	N	N	N	20	50
83ST030S	18 24 35	64 54 29	5	.7	2	.5	1,000	N	N	N	N	200	<1	N	N	15	30
83ST031S	18 22 1	64 54 24	5	1	1.5	.5	2,000	N	N	N	10	500	<1	N	N	20	15
83ST044S	18 22 24	64 59 27	7	1.5	1	.5	2,000	N	N	N	20	700	N	N	N	30	<10
83ST045S	18 20 4	64 56 15	3	.2	.15	.3	3,000	N	N	N	20	150	<1	N	N	10	N
83ST046S	18 19 42	64 56 7	7	2	2	.5	1,000	N	N	N	15	70	N	N	N	30	70
83ST049S	18 18 58	64 53 28	1.5	.5	.3	.3	500	1.5	N	N	20	70	<1	N	N	5	50
83ST052S	18 19 48	64 57 31	2	.3	.1	.3	500	1.5	N	N	10	300	<1	N	N	5	10



TABLE 2.--Continued

SAMPLE	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
84SJ105	300	N	N	N	15	10	N	15	N	300	300	N	20	N	100	N
84SJ106	20	<20	N	N	5	15	N	7	N	N	70	N	30	N	100	N
84SJ107	150	<20	N	N	50	<10	N	30	N	200	300	N	20	N	30	N
84SJ108	70	<20	N	N	30	10	N	30	N	200	500	N	20	N	30	N
84SJ109	7	<20	N	N	<5	10	N	15	N	100	200	N	20	N	150	N
84SJ110	100	<20	N	N	100	15	N	20	N	150	500	N	30	N	70	N
84SJ200	70	<20	N	N	<5	15	N	15	N	N	300	N	20	N	70	N
84SJ201	20	<20	<5	N	<5	15	N	10	N	N	100	N	15	N	70	N
84SJ202	10	<20	N	N	<5	15	N	7	N	<100	70	N	20	N	100	N
84SJ203	100	N	N	N	10	15	N	20	N	100	300	N	20	N	100	N
84SJ205	15	<20	N	N	<5	10	N	10	N	100	150	N	15	N	70	N
84SJ206	20	<20	N	N	5	10	N	15	N	N	70	N	50	N	150	N
84SJ207	150	<20	N	N	50	15	N	20	N	150	700	N	20	N	50	N
83ST001S	100	<20	N	N	7	10	N	30	N	100	300	N	20	N	30	N
83ST002S	100	20	N	N	30	20	N	20	N	300	200	N	20	N	70	N
83ST003S	100	20	N	N	15	10	N	30	N	300	200	N	15	N	30	N
83ST004S	100	<20	N	N	30	30	N	30	N	150	200	N	15	N	30	N
83ST005S	150	<20	N	N	20	15	N	30	N	300	300	N	20	N	30	N
83ST006S	150	N	N	N	50	10	N	30	N	300	300	N	15	N	30	N
83ST007S	100	<20	N	N	15	15	N	30	N	300	300	N	20	N	30	N
83ST008S	10	N	N	N	5	<10	N	7	N	N	30	N	30	N	100	N
83ST009S	10	<20	N	N	7	<10	N	7	N	N	50	N	30	N	150	N
83ST010S	5	<20	N	N	5	<10	N	7	N	N	30	N	20	N	70	N
83ST011S	30	N	5	N	20	10	N	20	N	N	150	N	30	N	70	N
83ST012S	20	N	N	N	<5	10	N	10	N	200	200	N	20	N	70	N
83ST013S	2,000	<20	7	N	10	15	N	10	N	<100	150	N	20	2,000	70	N
83ST014S	150	<20	N	N	100	10	N	30	N	N	300	N	20	300	50	N
83ST015S	200	N	N	N	20	10	N	30	N	200	500	N	15	N	30	N
83ST017S	30	<20	N	N	20	10	N	20	N	200	150	N	20	N	30	N
83ST018S	15	20	N	N	5	15	N	15	N	200	150	N	30	N	100	N
83ST019S	30	N	N	N	5	50	N	15	N	200	200	N	15	N	50	N
83ST021S	50	20	N	N	10	100	N	10	N	N	50	N	30	N	100	N
83ST022S	50	<20	N	N	10	10	N	20	N	200	200	N	10	N	15	N
83ST023S	100	<20	N	N	15	10	N	30	N	150	300	N	20	N	20	N
83ST024S	100	<20	N	N	<5	30	N	20	N	300	200	N	10	N	10	N
83ST025S	150	N	N	N	10	10	N	20	N	150	200	N	20	N	50	N
83ST027S	100	20	N	N	20	15	N	30	N	500	300	N	20	N	70	N
83ST029S	100	20	N	N	15	<10	N	30	N	500	300	N	20	N	50	N
83ST030S	150	20	N	N	7	15	N	30	N	500	300	N	20	N	50	N
83ST031S	100	<20	N	N	10	15	N	20	N	500	200	N	15	N	50	N
83ST044S	200	N	N	N	10	10	N	30	N	300	300	N	20	N	30	N
83ST045S	10	<20	N	N	5	50	N	15	N	<100	70	N	20	N	70	N
83ST046S	200	N	N	N	30	15	N	30	N	300	300	N	20	N	30	N
83ST049S	20	<20	N	N	5	10	N	10	N	100	30	N	30	N	70	N
83ST052S	5	<20	N	N	5	10	N	7	N	100	30	N	15	N	70	N

TABLE 2.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR
83ST062S	18 22 52	65 3 40	3	1	1	.3	2,000	1.5	N	N	<10	500	N	N	N	10	20
83ST063S	18 24 20	65 3 36	5	.15	2	.3	500	1.5	N	N	<10	150	N	N	N	7	70
83ST067S	18 19 41	64 51 14	3	.3	.15	.3	1,500	1.5	N	N	50	150	<1	N	N	15	30
83ST066S	18 19 59	64 51 14	3	.7	.7	.3	1,000	N	N	N	10	200	<1	N	N	7	15
83ST069S	18 19 36	64 51 40	2	.3	.2	.3	1,500	N	N	N	30	200	<1	N	N	10	20
83ST070S	18 19 40	64 52 23	2	.5	.3	.2	1,000	N	N	N	30	200	1	N	N	7	10
83ST071S	18 19 42	64 52 25	1	.15	.15	.3	150	2	N	N	50	700	<1	N	N	<5	70
83ST072S	18 19 19	64 53 29	5	1.5	.7	.3	700	N	N	N	10	50	N	N	N	20	100
83ST073S	18 19 27	64 53 28	3	.5	.5	.2	700	N	N	N	15	70	<1	N	N	10	50
83ST074S	18 20 5	64 53 3	5	.7	1	.5	1,500	5	N	N	20	150	<1	N	N	10	20
83ST075S	18 19 44	64 53 0	5	.5	.2	.3	500	N	N	N	50	150	<1	N	N	7	20
83ST076S	18 19 34	64 54 35	7	2	1.5	.5	1,500	N	N	N	10	20	N	N	N	20	150
83ST077S	18 19 12	64 54 42	1.5	.3	.1	.3	500	N	N	N	10	50	<1	N	N	5	15
83ST078S	18 19 11	64 53 59	7	.7	1.5	1	1,500	N	N	N	<10	150	N	N	N	20	20
83ST079S	18 19 30	64 54 16	5	1.5	2	.3	1,000	N	N	N	15	20	N	N	N	20	50
83ST081S	18 20 18	64 54 24	7	.7	1	.5	1,500	N	N	N	15	500	N	N	N	20	15
83ST082S	18 20 12	64 54 12	5	.7	.7	.5	1,000	N	N	N	10	300	<1	N	N	20	10
83ST083S	18 20 15	64 53 30	3	.7	1	.5	700	N	N	N	20	150	<1	N	N	10	50
83ST085S	18 21 32	64 54 30	5	.7	1	.5	1,000	N	N	N	<10	150	<1	N	N	15	30
83ST086S	18 21 17	64 55 16	3	.7	.7	.3	700	N	N	N	15	500	<1	N	N	10	20
83ST087S	18 21 43	64 56 31	5	1	1.5	.3	2,000	N	N	N	15	200	N	N	N	20	30
83ST088S	18 22 11	64 57 8	5	.5	1	.3	1,000	N	N	N	10	150	<1	N	N	10	15
83ST089S	18 22 9	64 57 38	3	1	1.5	.3	1,000	N	N	N	15	300	N	N	N	20	20
83ST090S	18 21 52	64 58 35	5	.7	.7	.3	1,000	N	N	N	20	300	N	N	N	30	30
83ST091S	18 21 39	65 0 55	5	1	1.5	.5	1,000	N	N	N	15	200	N	N	N	20	10
83ST092S	18 21 32	65 1 5	7	1	.5	.5	1,500	N	N	N	30	300	N	N	N	30	15
83ST093S	18 21 4	65 1 22	7	1	.7	.5	1,000	N	N	N	15	150	N	N	N	30	15
83ST094S	18 20 45	65 1 22	7	1	2	.5	1,500	N	N	N	20	100	N	N	N	30	30
83ST095S	18 21 15	65 0 10	7	1.5	1.5	.5	1,000	N	N	N	15	150	N	N	N	30	30
83ST096S	18 21 28	65 1 55	5	.7	1	.5	1,000	N	N	N	10	200	N	N	N	20	20
83ST097S	18 20 44	64 56 55	5	1	1	.5	1,500	N	N	N	15	100	N	N	N	20	20
83ST098S	18 20 49	64 57 8	7	1.5	1.5	.3	1,000	N	N	N	10	150	N	N	N	30	50
83ST099S	18 20 58	64 57 46	7	2	.7	.5	1,500	N	N	N	20	150	N	N	N	20	20
83ST102S	18 18 28	64 50 0	3	1	1	.3	1,500	N	N	N	10	150	<1	N	N	10	70
83ST103S	18 18 57	64 49 55	3	.7	1	.5	700	N	N	N	10	150	<1	N	N	10	30
83ST104S	18 21 33	64 50 21	7	1.5	10	.5	1,000	N	N	N	10	700	<1	N	N	20	30
83ST105S	18 21 44	64 49 32	7	1.5	15	.5	1,000	N	N	N	N	500	N	N	N	10	20
83ST106S	18 21 43	64 49 42	7	2	3	.5	2,000	N	N	N	<10	150	N	N	N	20	<10
83ST108S	18 21 50	64 52 12	7	2	3	.5	1,500	3	N	N	N	500	N	N	N	20	50
83ST109S	18 21 34	64 51 46	10	2	3	.5	1,000	N	N	N	30	700	<1	N	N	30	50
83ST110S	18 20 48	64 51 45	7	1.5	3	.5	2,000	N	N	N	20	700	<1	N	N	30	50
83ST111S	18 19 52	64 50 47	10	2	2	.7	5,000	N	N	N	N	1,000	N	N	N	50	<10

TABLE 2.--Continued

SAMPLE	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
83ST062S	70	<20	N	N	7	15	N	20	N	200	200	N	20	N	30	N
83ST063S	70	<20	N	N	5	<10	N	20	N	300	200	N	10	N	30	N
83ST067S	30	<20	N	N	10	20	N	15	N	100	150	N	20	N	50	N
83ST068S	50	<20	N	N	7	<10	N	20	N	150	150	N	20	N	30	N
83ST069S	20	20	N	N	10	20	N	15	N	150	100	N	20	N	50	N
83ST070S	20	<20	N	N	5	50	N	15	N	100	70	N	20	N	50	N
83ST071S	20	20	5	N	5	100	N	10	N	N	70	N	15	<200	50	N
83ST072S	150	N	N	N	30	20	N	20	N	100	200	N	15	N	30	N
83ST073S	30	<20	N	N	20	20	N	15	N	<100	150	N	15	N	30	N
83ST074S	100	N	N	N	15	30	N	20	N	150	300	N	20	<200	70	N
83ST075S	20	N	N	N	10	15	N	20	N	N	100	N	20	N	70	N
83ST076S	100	N	N	N	70	50	N	20	N	150	300	N	20	N	30	N
83ST077S	15	<20	N	N	5	<10	N	10	N	N	30	N	20	N	50	N
83ST078S	150	N	N	N	10	70	N	20	N	300	500	N	30	N	70	N
83ST079S	100	N	N	N	30	50	N	20	N	150	300	N	10	N	15	N
83ST081S	100	<20	N	N	7	30	N	20	N	300	300	N	20	N	30	N
83ST082S	70	<20	N	N	5	30	N	20	N	150	150	N	20	N	30	N
83ST083S	70	<20	N	N	10	50	N	20	N	200	200	N	20	N	50	N
83ST085S	70	<20	N	N	10	10	N	20	N	300	200	N	15	N	50	N
83ST086S	50	N	N	N	10	30	N	15	N	300	150	N	20	N	30	N
83ST087S	150	N	N	N	15	30	N	20	N	200	300	N	15	N	20	N
83ST088S	50	N	N	N	10	20	N	20	N	200	100	N	20	N	70	N
83ST089S	100	<20	N	N	20	20	N	20	N	300	200	N	20	N	30	N
83ST090S	150	N	N	N	15	30	N	20	N	150	300	N	20	N	20	N
83ST091S	150	N	N	N	10	20	N	20	N	200	300	N	20	N	20	N
83ST092S	150	N	N	N	15	<10	N	20	N	200	500	N	20	N	30	N
83ST093S	200	N	N	N	15	<10	N	30	N	100	500	N	20	N	30	N
83ST094S	150	N	N	N	15	10	N	20	N	300	500	N	20	N	30	N
83ST095S	200	N	N	N	15	10	N	30	N	200	500	N	20	N	20	N
83ST096S	150	<20	N	N	10	10	N	20	N	200	300	N	20	N	30	N
83ST097S	100	<20	N	N	10	50	N	20	N	150	300	N	20	N	30	N
83ST098S	150	N	N	N	20	15	N	20	N	200	300	N	15	N	20	N
83ST099S	100	N	N	N	15	<10	N	30	N	300	300	N	20	N	15	N
83ST102S	50	<20	N	N	15	10	N	20	N	150	200	N	20	N	30	N
83ST103S	50	<20	N	N	15	100	N	15	N	200	200	N	20	N	30	N
83ST104S	200	<20	N	N	30	20	N	20	N	300	300	N	20	N	50	N
83ST105S	150	N	N	N	20	15	N	20	N	500	200	N	15	N	30	N
83ST106S	100	N	N	N	10	20	N	20	N	200	500	N	20	N	70	N
83ST108S	100	<20	N	N	15	20	N	20	N	500	300	N	15	N	50	N
83ST109S	200	N	N	N	20	20	N	20	N	300	200	N	20	N	50	N
83ST110S	200	<20	N	N	30	20	N	20	N	500	200	N	20	N	50	N
83ST111S	500	N	N	N	15	20	N	30	N	200	700	N	20	<200	50	N

TABLE 3.--Analytical results for rock samples collected on St. Thomas and St. John, U.S. Virgin Islands

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

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CC
ST002R	18 20 48	64 52 44	3	3	5	.3	700	N	N	N	10	100	N	N	N	10
ST004R	18 19 15	64 50 24	5	3	7	.5	700	N	N	N	N	100	N	N	N	20
ST005R	18 19 36	64 50 13	5	3	7	.5	700	N	N	N	N	70	N	N	N	15
ST006R	18 19 2	64 49 40	5	2	3	.7	1,000	N	N	N	N	700	<1	N	N	15
ST008R	18 17 52	64 49 2	.7	.07	.1	.1	<10	N	N	N	N	100	N	N	N	N
ST011R	18 18 10	64 49 44	20	.15	<.05	.2	100	<.5	N	N	N	500	N	N	N	7
ST012R	18 18 54	64 50 50	3	2	3	.3	700	N	N	N	<10	70	N	N	N	10
ST013R	18 18 33	64 51 52	2	.20	.07	.1	70	2	N	N	10	1,000	<1	N	N	<5
ST014R	18 18 26	64 52 14	10	.15	.05	.3	150	N	N	N	N	200	N	N	N	7
ST015R	18 18 24	64 52 28	5	2	3	.3	1,000	N	N	N	N	100	N	N	N	30
ST016R	18 19 47	64 56 42	2	.5	.5	.3	500	N	N	N	15	150	<1	N	N	<5
ST017R	18 19 18	64 56 34	1	.3	.1	.15	200	N	N	N	N	100	<1	N	N	N
ST018R	18 19 19	64 57 7	2	.7	.02	.15	500	N	N	N	15	20	<1	N	N	<5
ST019R	18 18 42	64 57 37	1.5	.5	.2	.3	300	.5	N	N	N	70	<1	N	N	<5
ST020R	18 19 6	64 59 24	1	1	.1	.15	500	N	N	N	N	150	<1	N	N	N
ST021R	18 18 27	65 0 6	.7	.3	.1	.15	300	N	N	N	N	150	<1	N	N	N
ST022R	18 21 15	64 59 39	5	2	3	.3	1,000	N	N	N	10	50	N	N	N	20
ST023R	18 20 47	64 58 36	7	1.5	1.5	1	1,500	N	N	N	10	500	N	N	N	20
ST024R	18 20 21	64 50 42	3	2	7	.15	2,000	N	N	N	N	100	N	N	N	10
ST025R	18 21 17	64 52 54	3	.7	7	.2	1,000	N	N	N	10	20	<1	N	N	7
ST026R	18 21 22	64 53 21	7	2	2	.5	1,000	N	N	N	N	700	N	N	N	20
ST027R	18 21 52	64 53 35	7	3	7	.3	1,000	N	N	N	10	300	N	N	N	30
ST028R	18 23 34	64 54 32	3	1.5	10	.3	1,000	N	N	N	N	200	N	N	N	10
ST029R	18 24 7	64 54 45	7	3	3	.5	1,500	N	N	N	N	300	N	N	N	30
ST030R	18 24 35	64 54 29	7	1.5	5	.3	1,000	N	N	N	N	150	N	N	N	15
ST031R	18 22 1	64 54 24	7	2	2	.5	1,000	N	N	N	10	300	N	N	N	20
ST034R	18 21 34	64 55 39	7	1.5	1	.5	1,000	N	N	N	N	100	N	N	N	15
ST035R	18 21 49	64 56 14	3	1.5	7	.3	1,500	N	N	N	10	150	N	N	N	15
ST036R	18 22 28	64 56 57	5	.5	10	.5	500	N	N	N	20	<20	N	N	N	10
ST038R	18 23 0	64 58 8	3	.7	3	.3	700	N	N	N	10	30	<1	N	N	5
ST039R	18 23 14	64 58 21	3	1.5	3	.3	1,000	N	N	N	N	200	N	N	N	7
ST040R	18 23 41	64 58 8	7	1.5	2	1	1,500	N	N	N	10	1,000	<1	N	N	10
ST041R	18 24 5	64 58 30	3	1.5	5	.3	700	N	N	N	20	200	N	N	N	10
ST042R	18 22 24	64 58 32	5	1	.7	.5	700	N	N	N	10	70	N	N	N	20
ST043R	18 22 21	64 59 0	7	2	3	.5	1,000	N	N	N	15	1,000	N	N	N	20
ST044R	18 22 24	64 59 27	7	2	3	.7	1,500	N	N	N	N	200	<1	N	N	20
ST045R	18 20 4	64 56 15	1.5	.3	.2	.3	500	N	N	N	15	150	<1	N	N	5
ST046R	18 19 42	64 56 7	1.5	.7	.2	.2	500	15	N	N	10	50	<1	N	N	5
ST047R	18 16 44	64 53 46	3	1.5	3	.3	700	N	N	N	10	300	<1	N	N	10
ST048R	18 18 39	64 53 4	2	.3	.7	.1	300	N	N	N	<10	1,000	1	70	N	5
ST049R	18 18 58	64 53 28	1	.07	.07	.2	20	N	N	N	N	<20	<1	N	N	N
ST050R	18 19 38	64 55 18	1	1	.3	.15	500	N	N	N	10	20	<1	N	N	N
ST051R	18 19 37	64 56 58	2	.7	.5	.2	700	N	N	N	20	100	1	N	N	<5
ST052R	18 19 48	64 57 31	.5	.2	.07	.15	70	N	N	N	N	200	<1	N	N	N
ST053R	18 19 37	64 57 51	.7	.5	.07	.2	300	N	N	N	N	200	<1	N	N	<5



TABLE 3.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-IH
ST002R	70	50	20	N	<20	20	15	N	20	N	500	150	N	15	N	70	N
ST004R	20	50	N	N	N	15	10	N	30	N	500	300	N	15	N	20	N
ST005R	50	50	N	N	N	30	15	N	20	N	500	300	N	20	N	50	N
ST006R	15	70	20	N	N	7	20	N	20	N	500	200	N	50	N	100	N
ST008R	<10	5	N	5	N	<5	<10	N	10	N	<100	30	N	30	N	100	N
ST011R	<10	15	N	15	N	<5	20	N	10	N	N	300	N	30	N	50	N
ST012R	N	15	N	N	N	5	<10	N	20	N	500	200	N	15	N	30	N
ST013R	10	20	N	20	N	10	10	N	7	N	N	30	N	20	N	100	N
ST014R	70	100	N	N	N	20	10	N	15	N	N	300	N	15	N	10	N
ST015R	20	70	N	N	N	20	10	N	20	N	500	200	N	10	N	30	N
ST016R	10	20	N	N	N	5	10	N	15	N	150	20	N	20	N	50	N
ST017R	<10	<5	N	N	N	<5	N	N	10	N	N	10	N	30	N	100	N
ST018R	<10	<5	<20	N	N	5	10	N	10	N	N	10	N	20	<200	100	N
ST019R	<10	15	<20	N	N	<5	15	N	10	N	100	30	N	20	700	70	N
ST020R	<10	<5	<20	N	N	5	20	N	7	N	N	<10	N	20	N	50	N
ST021R	<10	<5	N	N	N	<5	<10	N	7	N	N	10	N	15	N	50	N
ST022R	20	70	N	N	N	15	<10	N	30	N	300	100	N	15	N	15	N
ST023R	<10	70	<20	N	N	5	<10	N	20	N	300	150	N	50	N	50	N
ST024R	30	15	N	N	N	10	10	N	20	N	300	100	N	<10	200	10	N
ST025R	<10	15	<20	N	N	5	15	N	7	N	1,000	100	N	15	N	30	N
ST026R	10	150	N	N	N	10	10	N	30	N	300	100	N	20	N	50	N
ST027R	30	100	<20	N	N	15	15	N	30	N	700	150	N	15	N	30	N
ST028R	10	30	N	N	N	7	10	N	15	N	300	100	N	15	N	30	N
ST029R	20	100	<20	N	N	15	10	N	20	N	500	200	N	20	N	30	N
ST030R	15	50	N	N	N	10	15	N	20	N	700	200	N	15	N	20	N
ST031R	20	150	N	N	N	15	15	N	30	N	300	200	N	15	N	30	N
ST034R	<10	300	N	N	N	5	15	N	20	N	150	150	N	20	N	20	N
ST035R	30	70	N	N	N	20	10	N	30	N	150	300	N	15	N	15	N
ST036R	30	50	<20	N	N	20	10	N	30	N	1,500	500	N	15	N	15	N
ST038R	15	30	N	N	N	7	10	N	15	N	500	150	N	20	N	70	N
ST039R	10	30	<20	N	N	5	<10	N	20	N	500	150	N	15	N	30	N
ST040R	<10	150	20	N	N	<5	10	N	20	N	500	150	N	30	N	100	N
ST041R	30	70	N	N	N	15	<10	N	20	N	300	300	N	10	N	20	N
ST042R	<10	100	<20	N	N	<5	<10	N	30	N	<100	200	N	20	N	20	N
ST043R	N	150	N	N	N	5	10	N	30	N	300	300	N	20	N	30	N
ST044R	<10	70	N	N	N	7	10	N	30	N	300	300	N	30	N	100	N
ST045R	N	<5	<20	N	N	<5	15	N	10	N	100	70	N	20	N	70	N
ST046R	<10	7	<20	N	N	<5	15	N	10	N	150	<10	N	20	N	50	N
ST047R	20	20	<20	N	N	15	10	N	15	N	300	200	N	20	N	30	N
ST048R	<10	200	<20	N	N	5	20	N	<5	N	700	50	N	10	N	30	N
ST049R	N	30	N	N	N	5	<10	N	10	N	N	10	N	30	N	100	N
ST050R	N	15	<20	N	N	<5	15	N	7	N	<100	20	N	20	N	70	N
ST051R	N	<5	<20	N	N	5	10	N	10	N	<100	10	N	50	N	100	N
ST052R	N	<5	<20	N	N	<5	<10	N	7	N	<100	10	N	20	N	70	N
ST053R	N	N	<20	N	N	<5	10	N	7	N	N	10	N	20	N	70	N

TABLE 3.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO
ST054R	18 19 55	64 58 21	3	.1	<.05	.1	20	N	N	N	N	700	N	N	N	N
ST055R	18 21 0	64 59 10	5	1.5	3	.3	1,000	N	N	N	10	50	N	N	N	10
ST056R	18 20 54	65 1 54	7	2	3	.5	1,000	N	N	N	15	150	N	N	N	20
ST057R	18 21 16	65 2 6	7	2	3	.5	1,000	N	N	N	10	300	N	N	N	20
ST058R	18 20 40	65 4 47	2	1	3	.2	1,000	N	N	N	10	150	<1	N	N	10
ST059R	18 20 23	65 5 6	5	2	5	.3	1,000	N	N	N	10	300	N	N	N	10
ST060R	18 21 42	65 2 49	3	.7	1.5	.3	1,000	N	N	N	N	50	N	N	N	10
ST061R	18 21 43	65 3 9	5	1.5	1.5	.3	1,000	N	N	N	10	200	N	N	N	10
ST062R	18 22 52	65 3 40	5	1.5	3	.3	1,000	N	N	N	<10	150	<1	N	N	10
ST063R	18 24 20	65 3 36	7	2	7	.5	1,500	7	N	N	10	50	N	N	N	20
ST064R	18 24 36	65 3 0	1	.2	1.5	.1	500	N	N	N	<10	150	N	N	N	<5
ST065R	18 21 46	64 59 37	2	.5	.5	.15	500	N	N	N	10	200	N	N	N	7
ST067R	18 19 41	64 51 14	2	.5	.5	.2	1,000	N	N	N	N	1,000	<1	N	N	5
ST068R	18 19 59	64 51 14	7	2	.2	.5	1,000	N	N	N	N	1,000	N	N	N	20
ST069R	18 19 36	64 51 40	.7	.2	<.05	.07	150	<.5	N	N	20	100	<1	N	N	<5
ST071R	18 19 42	64 52 25	3	.05	.07	.3	<10	10	N	N	15	700	N	N	N	<5
ST073R	18 19 27	64 53 28	7	5	1.5	.3	1,000	N	N	N	N	<20	N	N	N	50
ST074R	18 20 5	64 53 3	1	.15	.2	.2	300	N	N	N	N	150	N	N	N	N
ST075R	18 19 44	64 53 0	1.5	.3	.15	.2	200	N	N	N	N	20	<1	N	N	N
ST076R	18 19 34	64 54 35	7	5	5	.5	1,000	N	N	N	10	N	N	N	N	30
ST078R	18 19 11	64 53 59	1	.7	.15	.2	300	N	N	N	N	50	<1	N	N	5
ST079R	18 19 30	64 54 16	1.5	.7	.1	.15	500	N	N	N	N	<20	<1	N	N	5
ST082R	18 20 12	64 54 12	5	2	3	.3	700	N	N	N	N	500	N	N	N	10
ST083R	18 20 15	64 53 30	2	.7	1	.3	700	N	N	N	20	200	<1	N	N	7
ST085R	18 21 32	64 54 30	5	.7	.7	.3	300	N	N	N	<10	20	N	N	N	10
ST087R	18 21 43	64 56 31	3	.7	1.5	.3	1,000	N	N	N	15	500	<1	N	N	10
ST089R	18 22 9	64 57 38	3	.7	1	.3	700	2	N	N	N	20	<1	N	N	7
ST090R	18 21 52	64 58 35	7	1.5	1.5	.3	1,000	N	N	N	10	150	N	N	N	30
ST092R	18 21 32	65 1 5	7	1	1.5	.5	1,000	N	N	N	10	70	N	N	N	15
ST093R	18 21 4	65 1 22	7	1.5	2	.3	1,000	N	N	N	20	150	N	N	N	30
ST094R	18 20 45	65 1 22	7	1.5	7	.5	1,000	N	N	N	70	100	N	N	N	30
ST095R	18 21 15	65 0 10	7	2	2	.5	1,000	N	N	N	20	100	N	N	N	20
ST096R	18 21 28	65 1 55	7	1.5	2	.5	1,000	N	N	N	20	70	N	N	N	30
ST098R	18 20 49	64 57 8	5	3	3	.3	1,000	N	N	N	N	150	N	N	N	30
ST101R	18 19 9	64 50 45	2	.7	.7	.2	500	N	N	N	<10	70	<1	N	N	5
ST102R	18 18 28	64 50 0	5	3	3	.3	1,000	N	N	N	N	<20	N	N	N	30
ST103R	18 18 57	64 49 55	7	5	3	.3	1,000	N	N	N	N	100	N	N	N	50
ST104R	18 21 33	64 50 21	5	1.5	7	.3	1,000	N	N	N	N	1,000	<1	N	N	20
ST105R	18 21 44	64 49 32	3	1.5	15	.3	1,000	N	N	N	N	300	N	N	N	10
ST106R	18 21 43	64 49 42	7	3	7	.5	1,500	N	N	N	N	200	N	N	N	20
ST107R	18 21 45	64 51 15	7	3	5	.5	1,000	N	N	N	N	300	N	N	N	20
ST108R	18 21 50	64 52 12	3	1.5	7	.3	700	N	N	N	30	700	N	N	N	10
ST109R	18 21 34	64 51 46	7	1.5	3	.5	700	N	N	N	15	700	<1	N	N	15
ST110R	18 20 48	64 51 45	2	1	20	.15	1,000	N	N	N	N	700	<1	N	N	5
ST111R	18 19 52	64 50 47	1	.15	.2	.15	500	N	N	N	20	1,000	<1	N	N	5



TABLE 3.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SH	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-IH
ST054R	<10	30	N	N	N	<5	<10	N	5	N	N	10	N	10	N	30	N
ST055R	<10	70	N	N	N	5	10	N	20	N	300	300	N	15	N	15	N
ST056R	<10	150	N	N	N	15	N	N	30	N	200	500	N	20	N	20	N
ST057R	N	200	N	N	N	10	10	N	30	N	200	300	N	20	N	20	N
ST058R	10	20	<20	N	N	5	10	N	15	N	500	200	N	20	N	30	N
ST059R	10	50	N	N	N	10	<10	N	20	N	200	150	N	15	N	30	N
ST060R	<10	70	<20	N	N	5	<10	N	15	N	N	100	N	30	N	50	N
ST061R	10	70	N	N	N	10	<10	N	30	N	200	150	N	20	N	20	N
ST062R	15	50	<20	N	N	10	10	N	20	N	300	200	N	20	N	70	N
ST063R	20	70	N	N	N	10	10	N	30	N	200	300	N	20	N	30	N
ST064R	<10	10	<20	N	N	7	N	N	5	N	200	50	N	N	N	15	N
ST065R	N	5	<20	N	N	10	N	N	7	N	<100	150	N	<10	N	10	N
ST067R	<10	<5	N	N	N	5	15	N	5	N	500	70	N	<10	N	30	N
ST068R	15	100	N	N	N	15	10	N	30	N	300	200	N	50	N	30	N
ST069R	N	<5	N	N	N	5	15	N	5	N	N	10	N	15	N	30	N
ST071R	10	15	N	15	N	5	200	N	10	N	N	70	N	50	N	70	N
ST073R	150	500	N	N	N	70	<10	N	30	N	150	300	N	15	N	10	N
ST074R	N	10	<20	N	N	5	<10	N	7	N	N	50	N	20	N	50	N
ST075R	N	15	<20	N	N	<5	N	N	7	N	N	20	N	20	N	30	N
ST076R	150	30	N	N	N	70	10	N	30	N	300	300	N	20	N	20	N
ST078R	N	15	<20	N	N	5	10	N	7	N	N	20	N	20	N	30	N
ST079R	N	<5	<20	N	N	5	N	N	7	N	N	30	N	20	N	30	N
ST082R	N	50	N	N	N	5	10	N	20	N	300	200	N	30	N	30	N
ST083R	<10	<5	<20	N	N	<5	<10	N	10	N	<100	70	N	30	N	100	N
ST085R	N	20	<20	N	N	<5	10	N	20	N	200	300	N	15	N	50	N
ST087R	<10	30	<20	<5	N	5	10	N	20	N	500	100	N	20	N	30	N
ST089R	N	30	<20	N	N	<5	<10	N	15	N	N	50	N	20	N	30	N
ST090R	<10	150	N	N	N	10	10	N	30	N	700	300	N	20	N	30	N
ST092R	N	200	<20	N	N	<5	10	N	30	N	500	300	N	20	N	30	N
ST093R	20	150	N	N	N	15	<10	N	30	N	150	300	N	15	N	15	N
ST094R	20	200	N	N	N	15	<10	N	30	N	200	500	N	15	N	15	N
ST095R	20	150	N	N	N	15	<10	N	30	N	200	500	N	20	N	15	N
ST096R	10	150	N	N	N	15	<10	N	30	N	150	500	N	20	N	20	N
ST098R	30	200	N	N	N	30	<10	N	30	N	500	300	N	15	N	15	N
ST101R	N	<5	N	N	N	<5	<10	N	10	N	<100	30	N	10	N	50	N
ST102R	30	30	N	N	N	20	<10	N	30	N	200	300	N	15	N	10	N
ST103R	50	30	N	N	N	70	<10	N	30	N	300	300	N	15	N	10	N
ST104R	20	150	<20	N	N	15	20	N	20	N	500	200	N	20	N	70	N
ST105R	30	100	N	7	N	10	10	N	20	N	2,000	200	N	20	N	20	N
ST106R	15	70	N	N	N	10	10	N	30	N	700	500	N	20	N	15	N
ST107R	50	30	<20	N	N	30	10	N	30	N	300	300	N	30	N	100	N
ST108R	70	50	<20	N	N	30	15	N	20	N	500	200	N	20	N	70	N
ST109R	30	200	<20	N	N	20	30	N	30	N	500	200	N	20	N	70	N
ST110R	30	<5	<20	N	N	10	N	N	7	N	500	70	N	15	N	20	N
ST111R	<10	15	N	N	N	5	20	N	5	N	500	70	N	N	N	30	N

TABLE 3.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO
84SJ001	18 20 27	64 47 22	7	3	3	.5	1,000	N	N	N	N	200	N	N	N	20
84SJ002	18 20 29	64 47 6	3	1.5	3	.5	700	N	N	N	N	300	N	N	N	20
84SJ003	18 20 49	64 46 51	7	2	5	.5	1,500	N	N	N	N	100	N	N	N	15
84SJ004	18 20 53	64 46 36	10	1	20	.7	1,000	N	N	N	N	<20	N	N	N	7
84SJ005	18 21 8	64 46 30	7	3	2	.5	1,000	N	N	N	N	100	N	N	N	30
84SJ006	18 21 12	64 46 5	7	2	7	.5	1,500	N	N	N	N	200	N	N	N	30
84SJ007	18 21 12	64 45 49	5	2	5	.5	1,500	N	N	N	N	100	N	N	N	10
84SJ008	18 21 12	64 45 21	7	2	10	.5	1,500	N	N	N	N	150	N	N	N	20
84SJ009	18 21 16	64 45 9	10	2	5	1	1,500	N	N	N	N	500	<1	N	N	30
84SJ010	18 21 57	64 44 29	2	.5	1.5	.15	300	N	N	N	N	500	<1	N	N	7
84SJ012	18 21 54	64 43 40	7	3	15	.5	1,500	N	N	N	N	300	N	N	N	20
84SJ013	18 21 38	64 44 6	5	2	10	.3	2,000	N	N	N	N	200	N	N	N	10
84SJ014	18 21 28	64 44 22	3	1	3	.3	500	.7	N	N	N	300	N	N	N	7
84SJ016	18 21 27	64 43 42	3	.7	15	.3	500	N	N	N	N	200	N	N	N	5
84SJ017	18 21 15	64 43 2	7	3	5	.5	2,000	N	N	N	N	70	N	N	N	20
84SJ020	18 21 30	64 42 4	2	1	2	.3	700	N	N	N	10	150	N	N	N	5
84SJ024	18 20 32	64 42 55	2	1.5	.2	.3	500	N	N	N	N	30	N	N	N	7
84SJ027	18 21 33	64 41 27	5	5	7	.5	2,000	N	N	N	N	70	N	N	N	30
84SJ028	18 21 9	64 40 59	2	.7	1	.2	500	N	N	N	<10	150	<1	N	N	<5
84SJ029	18 20 20	64 40 23	2	1	.5	.3	700	N	N	N	N	30	<1	N	N	5
84SJ030	18 20 33	64 40 26	5	3	3	.5	2,000	N	N	N	N	<20	N	N	N	20
84SJ031	18 20 43	64 40 27	5	2	2	.5	1,500	N	N	N	N	30	N	N	N	5
84SJ032	18 20 17	64 42 49	2	1.5	.15	.3	500	N	N	N	N	150	N	N	N	<5
84SJ033	18 20 3	64 42 31	7	5	5	.3	1,000	N	N	N	N	20	N	N	N	30
84SJ034	18 19 44	64 42 14	3	1	2	.2	700	N	N	N	N	20	N	N	N	5
84SJ035	18 19 19	64 42 5	2	1.5	.2	.2	700	N	N	N	N	70	<1	N	N	5
84SJ036	18 19 10	64 42 23	7	7	3	.3	1,500	N	N	N	N	<20	N	N	N	20
84SJ037	18 19 3	64 42 45	2	1	3	.3	500	N	N	N	10	150	N	N	N	<5
84SJ040	18 19 50	64 43 5	.7	.7	.5	.1	500	N	N	N	N	100	N	N	N	N
84SJ041	18 19 49	64 43 11	3	.5	.5	.3	300	N	N	N	N	30	<1	N	N	N
84SJ044	18 19 24	64 44 4	2	.5	.07	.2	1,000	N	N	N	70	200	<1	N	N	N
84SJ048	18 19 39	64 45 57	1	.5	.3	.3	200	N	N	N	<10	<20	N	N	N	5
84SJ049	18 19 44	64 45 48	2	.3	2	.2	700	N	N	N	20	100	1	N	N	N
84SJ050	18 19 35	64 45 30	1	1	.1	.15	300	3	N	N	<10	100	<1	N	N	<5
84SJ051	18 19 29	64 45 27	1	.5	.05	.15	300	<.5	N	N	10	200	<1	N	N	N
84SJ052	18 19 13	64 45 34	2	.07	<.05	.1	10	3	N	N	10	300	N	N	N	N
84SJ053	18 20 27	64 45 32	7	3	3	.7	2,000	N	N	N	N	50	N	N	N	20
84SJ054	18 20 29	64 45 34	7	3	5	.7	2,000	N	N	N	N	150	N	N	N	20
84SJ055	18 20 19	64 45 36	3	1	3	.3	1,000	N	N	N	<10	150	<1	N	N	<5
84SJ056	18 20 21	64 45 41	7	3	7	.5	1,000	N	N	N	N	20	N	N	N	30
84SJ057	18 20 7	64 45 42	7	5	7	.5	1,500	N	N	N	N	50	N	N	N	30
84SJ058	18 20 4	64 45 51	1.5	.5	.3	.3	200	N	N	N	N	70	N	N	N	<5
84SJ059	18 19 22	64 46 48	3	5	5	.3	1,500	N	N	N	N	<20	N	N	N	20
84SJ060	18 20 15	64 43 17	5	.15	.07	.2	15	.7	300	N	10	5,000	N	N	N	N
84SJ061	18 20 5	64 43 29	2	.1	.1	.2	30	N	N	N	<10	100	N	N	N	N

TABLE 3.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
84SJ001	30	100	<20	N	N	20	15	N	30	N	500	300	N	20	N	100	N
84SJ002	20	150	N	N	N	20	10	N	20	N	500	300	N	20	N	50	N
84SJ003	20	70	N	N	N	10	<10	N	30	N	300	300	N	15	N	20	N
84SJ004	20	50	<20	N	N	10	30	N	30	N	1,500	500	N	30	N	70	N
84SJ005	70	100	N	N	N	50	15	N	30	N	200	300	N	20	N	50	N
84SJ006	20	300	20	N	N	15	20	N	30	N	500	500	N	20	N	70	N
84SJ007	<10	50	N	N	N	<5	15	N	20	N	500	300	N	20	N	15	N
84SJ008	30	20	N	N	N	20	10	N	30	N	300	300	N	20	N	30	N
84SJ009	N	200	<20	N	N	7	15	N	30	N	500	500	N	50	N	100	N
84SJ010	<10	150	<20	N	N	10	15	N	<5	N	300	70	N	50	N	150	N
84SJ012	100	200	N	7	N	50	10	N	30	N	500	500	N	20	<200	30	N
84SJ013	20	70	N	N	N	10	10	N	30	N	300	300	N	20	N	15	N
84SJ014	10	70	<20	20	N	5	10	N	20	N	200	300	N	20	N	50	N
84SJ016	<10	15	N	N	N	5	<10	N	15	N	150	100	N	20	N	50	N
84SJ017	<10	100	N	N	N	10	10	N	50	N	300	500	N	20	N	10	N
84SJ020	10	15	N	N	N	5	<10	N	7	N	150	50	N	20	N	70	N
84SJ024	N	10	N	N	N	7	10	N	10	N	N	50	N	20	N	70	N
84SJ027	500	10	<20	N	N	200	15	N	30	N	500	300	N	20	<200	50	N
84SJ028	N	5	N	N	N	5	10	N	10	N	100	100	N	20	N	50	N
84SJ029	10	15	<20	N	N	5	<10	N	15	N	150	50	N	20	N	70	N
84SJ030	20	30	N	N	N	20	10	N	30	N	300	500	N	15	N	20	N
84SJ031	15	50	N	N	N	15	10	N	20	N	150	200	N	20	N	50	N
84SJ032	<10	<5	<20	N	N	5	10	N	10	N	N	50	N	20	N	70	N
84SJ033	500	50	N	N	N	150	<10	N	30	N	150	300	N	15	N	20	N
84SJ034	100	30	<20	N	N	30	<10	N	10	N	150	50	N	20	N	150	N
84SJ035	<10	20	<20	N	N	5	<10	N	10	N	N	50	N	20	N	100	N
84SJ036	200	100	N	N	N	70	20	N	50	N	150	300	N	15	N	15	N
84SJ037	<10	<5	N	N	N	5	<10	N	10	N	N	30	N	20	N	70	N
84SJ040	N	7	<20	N	N	<5	<10	N	7	N	<100	10	N	15	N	50	N
84SJ041	<10	<5	<20	N	N	5	15	N	7	N	N	30	N	20	N	70	N
84SJ044	10	70	N	N	N	<5	15	N	10	N	N	<10	N	20	<200	70	N
84SJ048	<10	15	N	N	N	10	15	N	10	N	N	70	N	20	N	30	N
84SJ049	N	10	<20	N	N	5	10	N	10	N	150	30	N	50	N	100	N
84SJ050	70	20	N	N	N	10	20	N	10	N	N	50	N	15	200	30	N
84SJ051	N	200	N	N	N	7	<10	N	7	N	N	<10	N	20	N	30	N
84SJ052	<10	15	<20	15	N	5	15	N	<5	N	N	15	N	15	N	30	N
84SJ053	20	70	<20	N	N	10	15	N	30	N	500	500	N	20	N	30	N
84SJ054	70	150	N	N	N	30	10	N	30	N	300	500	N	20	N	50	N
84SJ055	<10	15	<20	N	N	5	10	N	15	N	300	70	N	20	N	70	N
84SJ056	50	70	N	N	N	30	10	N	30	N	150	500	N	20	N	15	N
84SJ057	100	100	N	N	N	30	<10	N	50	N	200	500	N	15	N	<10	N
84SJ058	<10	<5	N	N	N	<5	N	N	7	N	N	30	N	20	N	50	N
84SJ059	300	70	N	N	N	70	<10	N	30	N	150	150	N	15	N	10	N
84SJ060	N	500	N	7	N	<5	200	100	7	N	<100	300	N	<10	1,000	50	N
84SJ061	N	15	N	N	N	<5	30	N	7	N	N	100	N	15	N	50	N

TABLE 3.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-RI	S-CD	S-CO
84SJ062	18 20 4	64 43 34	1	.5	.1	.2	100	N	N	N	10	300	<1	N	N	N
84SJ063	18 20 2	64 43 39	1.5	.3	.2	.2	200	N	N	N	10	300	<1	N	N	N
84SJ064	18 20 8	64 43 40	1.5	.5	<.05	.15	5,000	N	N	N	30	300	<1	N	N	200
84SJ065	18 20 11	64 43 40	15	.03	N	.15	20	200	N	N	N	>5,000	N	N	N	N
84SJ066	18 20 16	64 43 42	15	.05	<.05	.1	50	N	300	N	N	50	<1	<10	N	N
84SJ068	18 20 29	64 43 59	2	1	.3	.2	700	N	N	N	20	500	<1	N	N	<5
84SJ069	18 20 33	64 44 15	.7	.2	.15	.2	100	N	N	N	N	30	N	N	N	N
84SJ070	18 20 39	64 46 18	5	3	10	.3	1,500	N	N	N	N	150	<1	N	N	30
84SJ071	18 20 32	64 46 7	5	5	5	.3	1,500	N	N	N	N	150	<1	N	N	30
84SJ073	18 20 20	64 46 22	5	5	7	.3	1,500	N	N	N	<10	20	<1	N	N	30
84SJ074	18 20 9	64 46 13	2	.7	1.5	.3	1,000	N	N	N	15	100	N	N	N	<5
84SJ075	18 20 5	64 46 16	.7	.3	.07	.1	150	N	N	N	N	150	<1	N	N	N
84SJ076	18 20 4	64 46 37	7	2	2	.5	700	N	N	N	<10	200	N	N	N	20
84SJ077	18 20 7	64 46 36	3	2	1	.3	700	N	N	N	N	100	N	N	N	15
84SJ078	18 19 47	64 46 40	5	3	5	.3	1,000	N	N	N	N	50	N	N	N	30
84SJ079	18 20 10	64 47 27	3	2	3	.3	700	N	N	N	N	50	N	N	N	15
84SJ081	18 20 50	64 44 31	5	3	.3	.5	1,000	N	N	N	N	N	N	N	N	20
84SJ082	18 20 51	64 44 32	5	5	.7	.3	2,000	N	N	N	N	30	N	N	N	30
84SJ086	18 19 58	64 44 23	1.5	1	.2	.2	700	N	N	N	N	50	N	N	N	<5
84SJ087	18 19 44	64 44 27	2	.2	3	.2	1,000	N	N	N	30	50	<1	N	N	N
84SJ088	18 21 17	64 47 36	3	2	3	.3	700	N	N	N	N	500	N	N	N	15
84SJ089	18 21 28	64 47 24	7	1.5	5	.5	1,000	N	N	N	N	500	N	N	N	30
84SJ090	18 21 45	64 48 31	5	1.5	3	.5	1,000	N	N	N	15	1,000	N	N	N	10
84SJ091	18 21 38	64 49 0	7	3	15	.01	>5,000	N	N	N	N	N	N	N	N	N
84SJ093	18 21 43	64 49 31	5	1.5	7	.3	1,000	N	N	N	N	300	N	N	N	7
84SJ094	18 22 9	64 48 25	5	3	5	.5	700	N	N	N	N	500	N	N	N	10
84SJ095	18 21 55	64 48 12	7	1.5	10	.5	700	N	N	N	N	500	N	N	N	10
84SJ096	18 22 18	64 45 26	3	2	10	.3	700	N	N	N	N	700	N	N	N	7
84SJ097	18 22 13	64 44 55	7	1.5	2	.7	700	N	N	N	70	1,000	N	N	N	10
84SJ098	18 22 21	64 44 20	5	2	5	.5	2,000	N	N	N	N	150	N	N	N	10
84SJ099	18 22 3	64 43 5	7	3	7	.5	1,500	N	N	N	N	70	N	N	N	30
84SJ100	18 21 44	64 42 32	7	2	5	.5	1,500	N	N	N	N	30	N	N	N	15
84SJ101	18 20 58	64 41 11	7	5	3	.3	1,000	N	N	N	N	<20	N	N	N	30
84SJ103	18 20 18	64 40 6	2	.3	.15	.3	20	N	N	N	<10	300	N	N	N	N
84SJ104	18 20 44	64 40 10	3	.7	.3	.2	300	N	N	N	N	50	N	N	N	<5
84SJ105	18 21 48	64 41 43	5	2	5	.5	1,500	N	N	N	N	300	N	N	N	10
84SJ106	18 18 59	64 43 15	.7	.3	1.5	.15	300	N	N	N	30	200	<1	N	N	N
84SJ107	18 18 40	64 42 36	7	5	3	.3	1,500	N	N	N	N	N	N	N	N	30
84SJ108	18 18 22	64 42 13	7	3	5	.3	1,500	N	N	N	N	<20	N	N	N	30
84SJ109	18 19 8	64 41 21	2	.7	.15	.3	700	N	N	N	N	20	N	N	N	<5
84SJ110	18 19 43	64 39 5	1.5	.3	.5	.2	300	N	N	N	N	<20	<1	N	N	N
84SJ111	18 19 11	64 44 21	3	2	.05	.3	500	N	N	N	10	300	<1	N	N	7
84SJ201	18 20 47	64 44 56	.7	.07	.2	.3	100	N	N	N	N	<20	N	N	N	N
84SJ202	18 20 40	64 44 52	2	.5	2	.3	300	N	N	N	20	100	<1	N	N	N
84SJ203	18 20 35	64 44 59	2	.5	1	.3	500	N	N	N	N	20	N	N	N	N



TABLE 3.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
84SJ062	N	<5	N	N	N	5	N	N	7	N	N	30	N	20	N	50	N
84SJ063	N	5	<20	N	N	<5	N	N	7	N	150	30	N	20	N	70	N
84SJ064	<10	300	<20	N	N	5	<10	N	5	N	N	30	N	20	500	30	N
84SJ065	N	300	N	200	N	<5	200	<100	5	N	500	30	N	N	N	30	N
84SJ066	N	1,500	N	300	N	5	20	<100	<5	N	N	30	N	15	N	30	N
84SJ068	<10	15	N	N	N	5	N	N	7	N	N	50	N	30	N	70	N
84SJ069	N	5	<20	N	N	5	N	N	5	N	N	30	N	15	N	50	N
84SJ070	30	70	N	N	N	20	N	N	30	N	500	300	N	10	N	15	N
84SJ071	100	100	N	N	N	20	<10	N	30	N	300	300	N	15	N	20	N
84SJ073	100	100	N	N	N	20	N	N	30	N	300	300	N	10	N	<10	N
84SJ074	N	<5	N	N	N	<5	N	N	10	N	150	30	N	20	N	50	N
84SJ075	N	50	N	N	N	<5	<10	N	5	N	N	15	N	15	N	30	N
84SJ076	50	70	N	N	N	30	15	N	30	N	500	200	N	20	N	70	N
84SJ077	30	15	<20	N	N	50	10	N	7	N	300	200	N	10	N	50	N
84SJ078	100	100	N	N	N	20	10	N	30	N	500	300	N	15	N	10	N
84SJ079	50	50	N	N	N	50	<10	N	15	N	500	200	N	15	N	50	N
84SJ081	N	300	N	N	N	7	N	N	30	N	N	500	N	20	500	30	N
84SJ082	70	30	N	N	N	70	10	N	30	N	N	300	N	15	N	15	N
84SJ086	N	15	N	N	N	5	<10	N	10	N	N	30	N	20	N	50	N
84SJ087	10	<5	N	N	N	<5	10	N	15	N	300	20	N	70	N	150	N
84SJ088	30	70	<20	N	N	50	10	N	20	N	700	300	N	20	N	150	N
84SJ089	<10	150	N	N	N	15	10	N	30	N	500	500	N	30	N	30	N
84SJ090	20	200	20	N	N	20	10	N	20	N	300	300	N	20	N	150	N
84SJ091	N	<5	20	N	N	N	N	N	N	N	<100	30	N	<10	N	N	N
84SJ093	30	70	20	N	N	10	10	N	15	N	1,500	200	N	15	N	50	N
84SJ094	10	100	30	N	N	5	10	N	15	N	1,000	300	N	20	N	50	N
84SJ095	30	100	<20	N	N	15	15	N	30	N	1,000	300	N	20	N	50	N
84SJ096	30	70	<20	N	N	15	10	N	10	N	1,000	150	N	15	N	30	N
84SJ097	20	700	N	N	N	20	20	N	20	N	300	300	N	30	<200	50	N
84SJ098	10	30	N	N	N	5	10	N	20	N	300	200	N	20	N	100	N
84SJ099	70	30	N	N	N	50	10	N	30	N	300	300	N	15	N	15	N
84SJ100	<10	5	N	N	N	<5	<10	N	30	N	300	200	N	0	N	15	N
84SJ101	200	50	N	N	N	50	<10	N	50	N	200	300	N	10	N	10	N
84SJ103	N	<5	N	N	N	<5	<10	N	10	N	N	20	N	20	N	70	N
84SJ104	N	7	N	N	N	5	<10	N	10	N	<100	30	N	30	N	70	N
84SJ105	<10	15	N	N	N	7	<10	N	20	N	300	300	N	20	N	30	N
84SJ106	<10	<5	<20	N	N	5	N	N	5	N	N	10	N	20	N	50	N
84SJ107	50	100	N	N	N	30	<10	N	30	N	300	300	N	15	N	15	N
84SJ108	50	70	N	N	N	30	N	N	30	N	100	500	N	10	N	10	N
84SJ109	N	N	N	N	N	<5	N	N	7	N	N	70	N	20	N	100	N
84SJ110	<10	7	<20	N	N	<5	N	N	7	N	N	30	N	20	N	70	N
84SJ111	<10	1,000	N	N	N	10	<10	N	7	N	N	50	N	20	200	50	N
84SJ201	N	20	N	N	N	<5	N	N	7	N	N	30	N	15	N	30	N
84SJ202	N	7	N	N	N	<5	<10	N	7	N	200	30	N	20	N	50	N
84SJ203	N	10	<20	N	N	5	N	N	7	N	300	30	N	20	N	70	N

TABLE 3.--Continued

SAMPLE	LATITUDE			LONGITUDE			S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-RI	S-CD	S-CO
84SJ204	18	20	26	64	44	55	10	.2	.1	.3	200	N	N	N	N	500	N	N	N	N
84SJ205	18	20	22	64	44	48	3	1	2	.3	700	N	N	N	15	200	<1	N	N	N
84SJ206	18	20	14	64	44	52	1	.05	.1	.15	150	N	N	N	N	<20	<1	N	N	N
84SJ207	18	19	38	64	44	56	3	1.5	.7	.3	700	N	N	N	15	200	N	N	N	5



TABLE 3.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-U	S-Y	S-ZN	S-ZR	S-TH
84SJ204	N	30	N	N	N	5	150	N	7	N	N	70	N	<10	N	70	N
84SJ205	N	5	<20	N	N	<5	<10	N	20	N	150	<10	N	30	N	150	N
84SJ206	N	5	N	N	N	<5	N	N	7	N	N	<10	N	20	N	100	N
84SJ207	20	5	N	N	N	5	<10	N	10	N	150	70	N	20	N	70	N

TABLE 4.--Analytical results for the minus-80-mesh fraction of stream sediments on St. Thomas and St. John, U.S. Virgin Islands

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

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-LU	S-CR
83ST001	18 20 46	64 53 14	5	1	3	.5	1,000	N	N	N	15	200	N	N	N	15	70
83ST002	18 20 48	64 52 44	5	1.5	3	.5	1,000	N	N	N	15	200	<1	N	N	15	100
83ST003	18 20 23	64 51 58	5	2	3	.5	1,500	N	N	N	10	150	N	N	N	20	50
83ST016	18 19 47	64 56 42	5	.7	1.5	.5	1,000	N	N	N	15	100	N	N	N	10	15
83ST026	18 21 22	64 53 21	3	1.5	2	.5	1,000	N	N	N	10	300	<1	N	N	30	30
83ST028	18 23 34	64 54 32	5	1.5	2	.5	1,000	N	N	N	10	200	<1	N	N	30	50
83ST032	18 22 37	64 55 41	5	.7	.2	.5	1,000	N	N	N	50	500	<1	N	N	20	30
83ST033	18 22 1	64 55 15	5	1.5	5	.5	1,500	N	N	N	20	300	<1	N	N	20	50
83ST034	18 21 34	64 55 39	2	1	20	.2	500	N	N	N	20	150	N	N	N	10	20
83ST035	18 21 49	64 56 14	5	1	2	.5	1,000	N	N	N	10	500	N	N	N	20	15
83ST036	18 22 28	64 56 57	5	2	2	.3	1,000	N	N	N	15	150	N	N	N	30	70
83ST037	18 22 12	64 58 5	5	.7	1.5	.5	1,000	<.5	N	N	10	200	<1	N	N	10	<10
83ST038	18 23 0	64 58 8	3	1.5	7	.2	1,000	N	N	N	20	150	N	N	N	15	20
83ST039	18 23 14	64 58 21	5	2	3	.5	1,000	N	N	N	10	200	N	N	N	10	300
83ST040	18 23 41	64 58 8	5	1.5	2	.7	1,500	N	N	N	10	300	<1	N	N	15	<10
83ST041	18 24 5	64 58 30	5	1.5	2	.7	1,000	N	N	N	20	200	N	N	N	20	15
83ST042	18 22 24	64 58 32	7	1.5	.7	.5	2,000	N	N	N	N	300	N	N	N	50	<10
83ST043	18 22 21	64 59 0	5	1.5	2	.5	1,500	N	N	N	15	500	N	N	N	30	30
83ST047	18 16 44	64 53 46	5	1.5	1.5	.5	1,000	N	N	N	20	150	<1	N	N	20	100
83ST048	18 18 39	64 53 4	3	2	.7	.5	1,500	N	N	N	10	50	<1	10	N	20	100
83ST050	18 19 38	64 55 18	5	1.5	3	.5	1,000	N	N	N	20	100	N	N	N	20	50
83ST051	18 19 37	64 56 58	.7	.2	.15	.2	700	N	N	N	20	70	<1	N	N	<5	15
83ST054	18 19 55	64 58 21	1	.15	.07	.2	50	.5	N	N	10	500	<1	N	N	N	10
83ST055	18 21 0	64 59 10	5	1.5	3	.5	1,000	N	N	N	20	100	N	N	N	20	20
83ST056	18 20 54	65 1 54	3	.7	2	.3	1,000	N	N	N	20	100	N	N	N	15	10
83ST057	18 21 16	65 2 6	5	1	2	.3	1,000	N	N	N	20	200	N	N	N	20	15
83ST058	18 20 40	65 4 47	3	1.5	3	.3	1,000	3.0	N	N	15	150	N	N	N	15	20
83ST059	18 20 23	65 5 6	3	.5	.7	.3	1,000	N	N	N	20	150	<1	N	N	10	20
83ST060	18 21 42	65 2 49	5	1	1.5	.5	1,000	N	N	N	20	300	<1	N	N	10	10
83ST061	18 21 43	65 3 9	3	1	1.5	.2	5,000	N	N	N	20	500	1	N	N	50	10
83ST065	18 21 46	64 59 37	5	1	1.5	.5	1,000	N	N	N	20	200	N	N	N	20	10
83ST067	18 19 41	64 51 14	3	.3	.2	.3	1,500	<.5	N	N	30	150	<1	N	N	10	20
83ST068	18 19 59	64 51 14	3	.3	.3	.3	1,000	N	N	N	30	100	<1	N	N	10	150
83ST069	18 19 36	64 51 40	1	.3	.2	.2	700	N	N	N	30	70	<1	N	N	5	10
83ST070	18 19 40	64 52 23	2	.5	.3	.3	1,000	N	N	N	30	150	<1	N	N	10	20
83ST071	18 19 42	64 52 25	2	.5	.5	.3	1,000	N	N	N	20	300	<1	N	N	7	20
83ST072	18 19 19	64 53 29	3	1	.7	.3	1,000	N	N	N	10	70	N	N	N	10	30
83ST073	18 19 27	64 53 28	2	.7	.5	.2	1,000	N	N	N	10	70	<1	N	N	10	30
83ST074	18 20 5	64 53 3	5	1.5	3	.5	1,000	N	N	N	10	150	N	N	N	20	30
83ST075	18 19 44	64 53 0	2	.3	.2	.2	500	N	N	N	20	100	<1	N	N	5	20
83ST076	18 19 34	64 54 35	3	1.5	1.5	.3	1,000	N	N	N	10	100	<1	N	N	10	20
83ST077	18 19 12	64 54 42	2	1	.7	.3	500	N	N	N	15	70	N	N	N	7	70
83ST078	18 19 11	64 53 59	3	1	1	.3	1,000	N	N	N	15	100	N	N	N	10	50
83ST079	18 19 30	64 54 16	3	.5	.7	.5	2,000	N	N	N	10	500	N	N	N	10	200
83ST080	18 20 13	64 54 30	5	1	1.5	.5	1,000	N	N	N	15	200	N	N	N	10	20

TABLE 4.--Continued

SAMPLE	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-U	S-Y	S-ZN	S-ZR	S-TH
83ST001	70	N	N	N	10	30	N	20	15	500	200	N	20	N	50	N
83ST002	70	<20	N	N	20	70	N	20	N	500	300	N	20	N	50	N
83ST003	100	<20	N	N	20	15	N	30	N	300	300	N	20	N	20	N
83ST016	50	N	N	N	10	15	N	20	N	200	300	N	20	N	30	N
83ST026	70	<20	N	N	20	30	N	20	N	300	200	N	15	N	50	N
83ST028	100	<20	N	N	15	20	N	30	N	500	300	N	20	N	50	N
83ST032	70	20	N	N	10	30	N	30	N	150	200	N	20	N	70	N
83ST033	100	N	N	N	15	100	N	30	N	300	200	N	20	N	50	N
83ST034	50	<20	N	N	<5	30	N	20	N	3,000	150	N	20	N	20	N
83ST035	100	N	N	N	10	20	N	30	N	300	200	N	20	N	30	N
83ST036	150	N	N	N	30	15	N	30	N	300	300	N	15	N	20	N
83ST037	100	<20	N	N	7	20	N	20	N	300	300	N	20	N	30	N
83ST038	50	N	N	N	10	10	N	30	N	300	150	N	10	N	20	N
83ST039	100	N	N	N	70	20	N	30	N	300	200	N	20	N	50	N
83ST040	150	<20	N	N	7	15	N	30	N	200	300	N	30	N	70	N
83ST041	150	N	N	N	10	10	N	20	N	300	500	N	20	N	70	N
83ST042	150	N	N	N	<5	10	N	30	N	<100	300	N	20	N	20	N
83ST043	100	N	N	N	15	15	N	30	N	500	300	N	20	N	30	N
83ST047	70	N	N	N	50	20	N	20	N	150	200	N	30	N	50	N
83ST048	500	N	N	N	50	<10	N	20	N	100	150	N	15	<200	50	N
83ST050	70	N	N	N	20	300	N	30	N	300	200	N	20	N	30	N
83ST051	10	<20	N	N	5	20	N	7	N	N	30	N	20	N	70	N
83ST054	50	<20	N	N	<5	70	N	10	N	N	20	N	15	N	50	N
83ST055	100	N	N	N	15	50	N	30	N	500	200	N	20	N	20	N
83ST056	100	N	N	N	10	15	N	30	N	200	300	N	15	N	15	N
83ST057	150	N	N	N	10	10	N	30	N	300	300	N	20	N	30	N
83ST058	70	<20	N	N	10	10	N	30	N	500	200	N	15	N	20	N
83ST059	50	<20	N	N	10	10	N	30	N	200	150	N	20	N	50	N
83ST060	100	<20	N	N	<5	20	N	20	N	300	100	N	30	N	50	N
83ST061	50	<20	N	N	<5	30	N	15	N	200	100	N	20	N	30	N
83ST065	150	N	N	N	10	10	N	30	N	300	300	N	20	N	30	N
83ST067	30	<20	N	N	10	30	N	20	N	100	100	N	30	N	50	N
83ST068	30	<20	N	N	10	15	N	20	N	100	100	N	20	N	5	N
83ST069	20	<20	N	N	7	10	N	10	N	<100	70	N	20	N	30	N
83ST070	30	<20	N	N	10	30	N	15	N	150	100	N	20	N	50	N
83ST071	30	<20	N	N	10	30	N	15	N	150	100	N	20	N	50	N
83ST072	70	<20	N	N	20	20	N	20	N	100	150	N	20	N	30	N
83ST073	50	<20	N	N	15	15	N	15	N	<100	100	N	20	N	50	N
83ST074	100	N	N	N	15	50	N	30	N	500	200	N	15	N	30	N
83ST075	15	N	N	N	15	<10	N	15	N	N	70	N	20	N	50	N
83ST076	100	N	N	N	15	10	N	20	N	200	200	N	20	N	30	N
83ST077	30	N	N	N	15	<10	N	15	N	20	100	N	20	N	30	N
83ST078	70	N	N	N	20	30	N	20	N	150	150	N	15	N	30	N
83ST079	50	N	N	N	15	20	N	10	N	200	150	N	15	N	30	N
83ST080	70	N	N	N	10	70	N	20	N	200	200	N	20	N	30	N

TABLE 4.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CC	S-CR
83ST081	18 20 18	64 54 24	5	1	3	.5	1,000	N	N	N	15	200	N	N	N	10	20
83ST082	18 20 12	64 54 12	5	1	1.5	.3	1,000	N	N	N	20	150	N	N	N	15	30
83ST083	18 20 15	64 53 30	5	1.5	5	.3	1,000	N	N	N	10	150	N	N	N	10	15
83ST085	18 21 32	64 54 30	5	1.5	3	.5	1,000	N	N	N	15	200	N	N	N	20	30
83ST086	18 21 17	64 55 16	3	.3	1.5	.3	1,000	N	N	N	15	300	<1	N	N	7	20
83ST087	18 21 43	64 56 31	7	1	2	1	1,500	N	N	N	<10	500	N	N	N	10	10
83ST088	18 22 11	64 57 8	3	1	3	.3	1,000	N	N	N	10	300	N	N	N	10	20
83ST089	18 22 9	64 57 38	5	1	1.5	.3	1,500	N	N	N	<10	300	N	N	N	20	10
83ST090	18 21 52	64 58 35	5	.7	1	.5	1,500	N	N	N	<10	500	N	N	N	15	20
83ST091	18 21 39	65 0 55	5	1.5	3	.5	1,000	N	N	N	15	200	N	N	N	15	15
83ST092	18 21 32	65 1 5	5	1	1.5	.5	1,500	N	N	N	15	200	N	N	N	15	20
83ST093	18 21 4	65 1 22	3	1	2	.3	1,000	N	N	N	10	100	N	N	N	10	15
83ST094	18 20 45	65 1 22	7	1.5	1.5	.5	1,500	N	N	N	10	100	N	N	N	20	20
83ST096	18 21 28	65 1 55	3	.7	1.5	.3	1,000	N	N	N	10	200	N	N	N	15	15
83ST097	18 20 44	64 56 55	5	1.5	3	.5	2,000	N	N	N	10	200	N	N	N	20	30
83ST098	18 20 49	64 57 8	5	1.5	3	.3	1,000	N	N	N	15	150	N	N	N	20	30
83ST099	18 20 58	64 57 46	5	1	5	.3	1,000	N	N	N	N	150	N	N	N	20	30
84SJ001	18 20 27	64 47 22	3	.7	3	.5	700	N	N	N	20	200	N	N	N	7	20
84SJ002	18 20 29	64 47 6	5	1.5	5	.5	1,000	N	N	N	15	150	N	N	N	10	70
84SJ003	18 20 49	64 46 51	7	3	10	.5	1,500	N	N	N	10	150	N	N	N	20	100
84SJ004	18 20 53	64 46 36	5	2	7	.3	1,000	N	N	N	15	150	N	N	N	20	100
84SJ005	18 21 8	64 46 30	5	1.5	5	.5	1,000	N	N	N	15	150	N	N	N	20	70
84SJ006	18 21 12	64 46 5	5	2	7	.5	1,500	N	N	N	15	150	N	N	N	15	50
84SJ007	18 21 12	64 45 49	3	2	5	.3	1,000	N	N	N	10	100	N	N	N	20	100
84SJ008	18 21 12	64 45 21	5	2	5	.5	1,500	N	N	N	10	150	N	N	N	30	50
84SJ009	18 21 16	64 45 9	5	1.5	3	.5	1,500	N	N	N	N	150	N	N	N	15	30
84SJ010	18 21 57	64 44 29	7	3	2	.5	1,000	N	N	N	15	300	N	N	N	30	50
84SJ011	18 21 57	64 44 17	5	1.5	5	.5	1,500	N	N	N	10	1,000	<1	N	N	20	30
84SJ012	18 21 54	64 43 40	5	2	5	.5	1,500	N	N	N	10	200	<1	N	N	30	50
84SJ013	18 21 38	64 44 6	5	1.5	3	.5	1,500	N	N	N	10	200	N	N	N	30	500
84SJ014	18 21 28	64 44 22	5	1.5	2	.5	1,000	N	N	N	N	200	N	N	N	20	70
84SJ015	18 21 50	64 43 6	3	2	3	.5	1,500	N	N	N	15	300	<1	N	N	30	50
84SJ016	18 21 27	64 43 42	5	1.5	2	.3	1,000	N	N	N	15	150	<1	N	N	30	20
84SJ017	18 21 15	64 43 2	1.5	.7	.7	.3	1,500	N	N	N	10	200	<1	N	N	7	15
84SJ018	18 21 7	64 42 48	10	3	3	.5	1,500	N	N	N	N	150	N	N	N	50	70
84SJ019	18 21 20	64 42 22	3	1	2	.3	1,000	N	N	N	10	150	<1	N	N	10	20
84SJ020	18 21 30	64 42 4	3	1	1.5	.3	1,000	N	N	N	10	150	<1	N	N	7	20
84SJ021	18 21 4	64 43 24	5	1.5	1.5	.5	1,000	N	N	N	10	150	N	N	N	15	20
84SJ022	18 20 57	64 43 29	3	.7	1	.3	1,000	N	N	N	10	150	N	N	N	7	30
84SJ023	18 20 55	64 43 27	3	1	1.5	.5	1,000	N	N	N	15	500	N	N	N	7	30
84SJ024	18 20 32	64 42 55	2	1	1.5	.3	1,500	.5	N	N	10	150	N	N	N	7	30
84SJ025	18 20 42	64 43 5	5	2	3	.5	1,500	N	N	N	15	300	N	N	N	10	100
84SJ026	18 21 29	64 41 45	3	1	2	.5	1,000	N	N	N	15	150	<1	N	N	10	30
84SJ027	18 21 33	64 41 27	7	1.5	2	.5	1,500	N	N	N	10	200	N	N	N	10	30
84SJ028	18 21 9	64 40 59	5	1	2	.7	1,500	N	N	N	N	100	N	N	N	10	15



TABLE 4.--Continued

SAMPLE	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-U	S-W	S-Y	S-ZN	S-ZR	S-TH
83ST081	100	N	N	N	15	20	N	20	N	300	300	N	20	N	20	N
83ST082	100	N	N	N	20	20	N	20	N	200	200	N	20	N	30	N
83ST083	100	N	N	N	15	20	N	20	N	200	300	N	15	N	20	N
83ST085	100	N	N	N	20	50	N	20	N	300	300	N	15	N	30	N
83ST086	30	<20	N	N	10	30	N	15	N	300	150	N	20	N	30	N
83ST087	100	N	N	N	15	15	N	20	N	500	300	N	20	N	50	N
83ST088	70	N	N	N	15	15	N	20	N	300	200	N	15	N	20	N
83ST089	100	N	N	N	15	15	N	30	N	300	300	N	15	N	30	N
83ST090	100	N	N	N	15	15	N	20	N	300	300	N	20	N	30	N
83ST091	150	N	N	N	50	10	N	30	N	300	300	N	15	N	20	N
83ST092	100	N	N	N	15	10	N	30	N	500	300	N	20	N	30	N
83ST093	150	N	N	N	10	10	N	20	N	200	300	N	10	N	10	N
83ST094	200	N	N	N	20	10	N	30	N	200	500	N	15	N	20	N
83ST096	100	<20	N	N	15	10	N	20	N	200	200	N	15	N	20	N
83ST097	100	N	N	N	15	2,000	N	30	N	300	300	N	20	N	30	N
83ST098	100	N	N	N	20	500	N	30	N	300	300	N	15	N	15	N
83ST099	100	<20	N	N	20	20	N	30	N	500	300	N	15	N	20	N
84SJ001	70	<20	N	N	15	30	N	30	N	500	300	N	20	N	100	N
84SJ002	70	N	N	N	30	30	N	30	N	500	300	N	20	N	70	N
84SJ003	100	<20	N	N	70	30	N	50	N	700	500	N	20	N	30	N
84SJ004	70	<20	N	N	30	20	N	30	N	500	500	N	15	N	30	N
84SJ005	70	N	N	N	30	20	N	30	N	300	300	N	20	N	30	N
84SJ006	70	N	N	N	15	20	N	30	N	500	300	N	20	N	30	N
84SJ007	100	<20	N	N	30	15	N	30	N	300	300	N	20	N	30	N
84SJ008	70	N	N	N	15	20	N	50	N	500	500	N	20	N	30	N
84SJ009	70	N	N	N	10	15	N	30	N	300	300	N	20	N	30	N
84SJ010	200	<20	N	N	50	15	N	30	N	300	300	N	20	N	30	N
84SJ011	100	<20	N	N	15	30	N	20	N	300	300	N	20	N	30	N
84SJ012	70	<20	N	N	20	15	N	30	N	500	300	N	20	N	30	N
84SJ013	100	<20	N	N	20	70	N	20	N	200	300	N	20	N	30	N
84SJ014	100	N	N	N	20	20	N	20	N	200	300	N	20	N	30	N
84SJ015	100	20	N	N	20	15	N	30	N	300	300	N	20	N	50	N
84SJ016	200	<20	N	N	10	15	N	30	N	150	300	N	15	N	15	N
84SJ017	50	<20	N	N	7	30	N	10	N	<100	70	N	15	N	30	N
84SJ018	200	N	N	N	30	15	N	30	N	200	500	N	20	N	30	N
84SJ019	30	<20	N	N	10	10	N	15	N	300	70	N	20	N	30	N
84SJ020	30	<20	N	N	10	30	N	15	N	200	150	N	20	N	70	N
84SJ021	50	N	N	N	15	10	N	20	<10	150	200	N	20	N	30	N
84SJ022	30	N	N	N	10	10	N	10	N	100	100	N	20	N	30	N
84SJ023	150	20	N	N	10	30	N	15	N	150	150	N	20	N	50	N
84SJ024	30	N	N	N	50	70	N	15	10	200	150	N	20	N	30	N
84SJ025	50	N	N	N	20	30	N	30	N	300	300	N	20	N	50	N
84SJ026	30	<20	N	N	20	30	N	15	N	150	200	N	20	N	50	N
84SJ027	50	N	N	N	20	10	N	30	N	200	500	N	20	N	30	N
84SJ028	50	N	N	N	5	15	N	15	N	200	200	N	30	N	70	N

TABLE 4.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CC	S-CK
84SJ029	18 20 20	64 40 23	5	1.5	1.5	.5	1,000	N	N	N	10	100	<1	N	N	10	30
84SJ030	18 20 33	64 40 26	5	1	1	.5	1,500	N	N	N	N	70	N	N	N	10	50
84SJ031	18 20 43	64 40 27	5	1	1.5	.5	1,500	N	N	N	15	100	N	N	N	10	50
84SJ032	18 20 17	64 42 49	3	1	1.5	.3	1,000	N	N	N	10	200	N	N	N	10	20
84SJ033	18 20 3	64 42 31	5	2	2	.5	1,500	N	N	N	10	200	N	N	N	10	30
84SJ034	18 19 44	64 42 14	3	2	.7	.5	1,000	N	N	N	15	70	N	N	N	10	50
84SJ035	18 19 19	64 42 5	3	.7	.7	.7	1,000	N	N	N	15	150	<1	N	N	7	20
84SJ036	18 19 10	64 42 23	3	1.5	2	.3	1,000	N	N	N	10	30	N	N	N	10	50
84SJ037	18 19 3	64 42 45	5	1.5	2	.3	1,500	N	N	N	10	100	N	N	N	10	70
84SJ038	18 19 15	64 43 9	2	.7	2	.3	1,000	N	N	N	10	150	<1	N	N	5	15
84SJ039	18 19 46	64 43 4	2	.7	1	.3	700	N	N	N	20	100	<1	N	N	7	30
84SJ040	18 19 50	64 43 5	3	1	1.5	.3	1,000	N	N	N	15	200	N	N	N	10	50
84SJ041	18 19 49	64 43 11	3	1.5	1	.3	1,000	N	N	N	15	300	N	N	N	10	30
84SJ042	18 19 39	64 43 20	1.5	.5	1	.3	700	N	N	N	20	150	<1	N	N	7	20
84SJ043	18 19 32	64 43 18	1	.5	.7	.3	1,000	N	N	N	15	100	<1	N	N	7	10
84SJ044	18 19 24	64 44 4	1.5	.5	.7	.3	500	N	N	N	20	100	<1	N	N	7	50
84SJ045	18 19 24	64 43 50	2	1	2	.3	1,000	N	N	N	20	150	N	N	N	7	70
84SJ046	18 19 26	64 43 44	1	.7	1	.2	1,000	<.5	N	N	15	150	N	N	N	5	20
84SJ048	18 19 39	64 45 57	5	3	7	.5	1,500	N	N	N	15	100	N	N	N	15	50
84SJ049	18 19 44	64 45 48	5	2	5	.5	1,500	N	N	N	10	100	N	N	N	15	70
84SJ050	18 19 35	64 45 30	5	2	5	.5	1,500	<.5	N	N	20	100	N	N	N	15	50
84SJ051	18 19 29	64 45 27	2	1	1	.3	700	N	N	N	20	300	N	N	N	7	15
84SJ053	18 20 27	64 45 32	5	2	7	.5	1,500	N	N	N	10	150	N	N	N	20	70
84SJ054	18 20 29	64 45 34	5	2	7	.5	1,500	N	N	N	20	150	N	N	N	20	100
84SJ055	18 20 19	64 45 36	5	1.5	3	.3	1,000	N	N	N	15	150	N	N	N	15	30
84SJ056	18 20 21	64 45 41	5	1.5	7	.3	1,000	N	N	N	15	100	N	N	N	15	70
84SJ057	18 20 7	64 45 42	5	2	5	.5	1,500	N	N	N	10	70	N	N	N	30	70
84SJ058	18 20 4	64 45 51	3	1	2	.3	1,500	N	N	N	15	150	<1	N	N	20	30
84SJ059	18 19 22	64 46 48	5	3	5	.5	1,000	N	N	N	15	150	N	N	N	20	70
84SJ070	18 20 39	64 46 18	5	2	5	.3	1,500	N	N	N	10	200	N	N	N	30	50
84SJ071	18 20 32	64 46 7	5	2	7	.3	1,000	N	N	N	15	150	N	N	N	15	100
84SJ072	18 20 43	64 45 40	3	1.5	5	.3	1,000	N	N	N	<10	150	N	N	N	15	50
84SJ073	18 20 20	64 46 22	5	1.5	3	.3	1,000	N	N	N	10	150	N	N	N	20	50
84SJ074	18 20 9	64 46 13	3	1.5	3	.5	1,500	N	N	N	10	150	N	N	N	10	70
84SJ075	18 20 5	64 46 16	3	1	2	.3	1,000	N	N	N	15	150	N	N	N	15	30
84SJ076	18 20 4	64 46 37	5	1.5	3	.3	1,000	N	N	N	15	200	N	N	N	20	50
84SJ077	18 20 7	64 46 36	5	1.5	7	.3	1,000	N	N	N	10	150	N	N	N	20	30
84SJ078	18 19 47	64 46 40	5	2	5	.3	1,500	N	N	N	15	150	N	N	N	30	50
84SJ079	18 20 10	64 47 27	3	1	2	.3	700	N	N	N	15	100	<1	N	N	10	30
84SJ087	18 19 44	64 44 27	3	1.5	2	.3	1,500	N	N	N	20	200	<1	N	N	10	30
84SJ088	18 21 17	64 47 36	3	2	2	.5	1,000	N	N	N	N	300	<1	N	N	10	50
84SJ090	18 21 45	64 48 31	5	1	2	.5	1,000	N	N	N	15	300	<1	N	N	15	20
84SJ095	18 21 55	64 48 12	3	1	2	.5	1,000	N	N	N	10	300	<1	N	N	15	20
84SJ096	18 22 18	64 45 26	5	1.5	7	.5	2,000	N	N	N	10	500	<1	N	N	30	30
84SJ097	18 22 13	64 44 55	5	1.5	3	.5	1,500	N	N	N	N	500	<1	N	N	15	30

TABLE 4.--Continued

SAMPLE	S-CU	S-LA	S-MO	S-NB	S-NI	S-PR	S-SB	S-SC	S-SN	S-SR	S-U	S-W	S-Y	S-ZN	S-ZR	S-TH
84SJ029	150	<20	N	N	10	10	N	15	N	150	200	N	20	N	50	N
84SJ030	50	N	N	N	15	10	N	15	N	150	300	N	15	N	30	N
84SJ031	70	N	N	N	15	15	N	20	N	150	200	N	20	N	30	N
84SJ032	30	<20	N	N	15	20	N	15	N	150	150	N	20	N	50	N
84SJ033	150	N	N	N	15	10	N	20	N	200	300	N	20	N	15	N
84SJ034	70	<20	N	N	15	10	N	20	N	100	200	N	20	N	30	N
84SJ035	150	<20	N	N	10	10	N	20	N	150	200	N	20	N	50	N
84SJ036	70	N	N	N	20	20	N	30	N	150	200	N	20	N	20	N
84SJ037	30	<20	N	N	20	15	N	30	N	200	300	N	20	N	30	N
84SJ038	20	20	N	N	10	15	N	20	N	200	150	N	50	N	70	N
84SJ039	15	<20	N	N	7	15	N	15	N	150	100	N	20	N	50	N
84SJ040	20	N	N	N	15	15	N	20	N	150	150	N	20	N	50	N
84SJ041	50	<20	N	N	15	20	N	30	N	150	150	N	20	N	30	N
84SJ042	30	<20	N	N	15	20	N	15	N	150	100	N	30	N	50	N
84SJ043	20	N	N	N	10	10	N	10	N	100	70	N	20	N	30	N
84SJ044	15	20	N	N	15	10	N	15	N	150	100	N	20	N	50	N
84SJ045	30	<20	N	N	10	15	N	20	N	200	150	N	20	N	30	N
84SJ046	20	<20	N	N	7	15	N	10	N	200	70	N	15	N	30	N
84SJ048	50	N	N	N	15	15	N	30	N	300	300	N	20	N	50	N
84SJ049	70	N	N	N	15	10	N	30	N	300	500	N	20	N	30	N
84SJ050	50	N	N	N	15	15	N	30	N	300	500	N	20	N	30	N
84SJ051	150	N	N	N	10	30	N	15	N	150	150	N	20	200	30	N
84SJ053	70	N	N	N	15	20	N	50	N	500	500	N	20	N	30	N
84SJ054	70	<20	N	N	20	30	N	50	15	500	500	N	20	N	50	N
84SJ055	70	N	N	N	15	15	N	30	N	300	150	N	20	N	30	N
84SJ056	70	N	N	N	20	15	N	30	N	500	150	N	20	N	30	N
84SJ057	100	N	N	N	20	15	N	50	N	300	500	N	20	N	30	N
84SJ058	50	20	N	N	15	15	N	30	N	300	200	N	50	N	50	N
84SJ059	70	N	N	N	20	30	N	30	N	500	500	N	20	N	30	N
84SJ070	70	N	N	N	20	15	N	30	N	500	500	N	15	N	30	N
84SJ071	50	<20	N	N	20	20	N	30	N	500	500	N	20	N	30	N
84SJ072	50	<20	N	N	15	30	N	30	N	500	300	N	20	N	30	N
84SJ073	70	N	N	N	20	50	N	30	N	500	300	N	20	N	30	N
84SJ074	50	<20	N	N	15	15	N	30	N	500	300	N	50	N	50	N
84SJ075	50	<20	N	N	20	30	N	20	N	300	300	N	20	N	50	N
84SJ076	70	N	N	N	20	15	N	30	N	500	300	N	20	N	70	N
84SJ077	70	N	N	N	20	20	N	30	N	500	300	N	20	N	30	N
84SJ078	100	N	N	N	20	30	N	30	N	500	300	N	15	N	15	N
84SJ079	50	<20	N	N	20	20	N	15	N	500	200	N	10	N	30	N
84SJ087	30	N	N	N	10	10	N	20	N	300	200	N	30	N	50	N
84SJ088	100	N	N	N	30	10	N	20	N	300	200	N	15	N	70	N
84SJ090	100	N	N	N	15	20	N	15	N	500	200	N	20	N	30	N
84SJ095	100	<20	N	N	15	15	N	20	N	500	200	N	20	N	50	N
84SJ096	100	N	N	N	30	15	N	30	N	1,500	200	N	20	N	70	N
84SJ097	100	N	N	N	15	20	N	20	N	500	300	N	20	N	50	N

TABLE 4.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CE	S-CR
84SJ098	18 22 21	64 44 20	3	1.5	3	.5	1,000	N	N	N	20	700	<1	N	N	10	20
84SJ099	18 22 3	64 43 5	5	2	5	.5	1,500	N	N	N	N	500	N	N	N	20	50
84SJ100	18 21 44	64 42 32	5	1.5	2	.5	1,500	N	N	N	10	300	N	N	N	10	30
84SJ101	18 20 58	64 41 11	3	1.5	2	.5	1,000	N	N	N	N	30	N	N	N	7	100
84SJ102	18 20 49	64 41 27	5	1.5	2	.5	1,500	N	N	N	10	70	N	N	N	15	100
84SJ103	18 20 18	64 40 6	3	.7	.7	.3	700	N	N	N	20	100	<1	N	N	7	20
84SJ104	18 20 44	64 40 10	3	1	1	.3	1,000	N	N	N	10	100	N	N	N	7	50
84SJ105	18 21 48	64 41 43	5	1.5	2	.5	1,000	N	N	N	10	70	N	N	N	10	50
84SJ106	18 18 59	64 43 15	3	1.5	2	.3	1,500	N	N	N	20	50	N	N	N	15	30
84SJ107	18 18 40	64 42 36	3	1.5	3	.5	700	N	N	N	20	150	N	N	N	10	30
84SJ108	18 18 22	64 42 13	3	1.5	3	.3	1,000	N	N	N	20	50	N	N	N	10	70
84SJ110	18 19 43	64 39 5	2	.3	1.5	.5	1,000	N	N	N	<10	<20	N	N	N	5	<10
84SJ200	18 20 46	64 44 59	3	.7	3	.2	1,000	N	N	N	10	150	N	N	N	10	50
84SJ201	18 20 47	64 44 56	2	.5	1	.3	700	N	N	N	15	100	<1	N	N	7	15
84SJ202	18 20 40	64 44 52	1.5	.3	1	.2	700	N	N	N	15	70	<1	N	N	5	N
84SJ203	18 20 35	64 44 59	5	1.5	5	.3	1,000	N	N	N	15	100	N	N	N	10	50
84SJ205	18 20 22	64 44 48	3	1	1.5	.3	1,000	N	N	N	30	150	<1	N	N	7	30
84SJ206	18 20 14	64 44 52	3	1	2	.3	1,000	N	N	N	10	100	N	N	N	7	20
84SJ207	18 19 38	64 44 56	5	1.5	3	.3	1,500	N	N	N	20	30	N	N	N	10	30



TABLE 4.--Continued

SAMPLE	S-CU	S-LA	S-MO	S-NR	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-U	S-W	S-Y	S-ZN	S-ZR	S-YH
84SJ098	100	N	N	N	10	20	N	20	N	500	200	N	15	N	50	N
84SJ099	100	<20	N	N	20	20	N	20	N	500	300	N	20	N	50	N
84SJ100	70	<20	N	N	15	50	N	20	70	200	200	N	20	N	30	N
84SJ101	30	N	N	N	20	<10	N	30	N	150	200	N	20	N	30	N
84SJ102	70	N	N	N	30	30	N	30	N	150	300	N	20	N	30	N
84SJ103	30	N	N	N	10	10	N	10	N	150	100	N	20	N	50	N
84SJ104	30	N	N	N	10	10	N	15	N	150	150	N	20	N	50	N
84SJ105	30	N	N	N	15	10	N	20	N	150	300	N	15	N	30	N
84SJ106	50	N	N	N	20	10	N	20	N	200	200	N	15	N	20	N
84SJ107	50	N	N	N	20	10	N	30	N	300	200	N	20	N	30	N
84SJ108	50	<20	N	N	20	10	N	30	N	200	200	N	20	N	20	N
84SJ110	10	N	N	N	<5	<10	N	15	N	150	150	N	20	N	30	N
84SJ200	100	<20	N	N	10	30	N	20	N	300	200	N	20	N	20	N
84SJ201	15	N	N	N	10	10	N	15	N	150	100	N	20	N	30	N
84SJ202	15	<20	N	N	5	10	N	10	N	150	70	N	15	N	20	N
84SJ203	70	<20	N	N	15	15	N	30	N	500	300	N	20	N	30	N
84SJ205	30	<20	N	N	15	15	N	15	N	200	150	N	50	N	50	N
84SJ206	30	N	N	N	10	10	N	15	N	200	150	N	20	N	30	N
84SJ207	50	<20	N	N	15	10	N	20	N	200	300	N	20	N	30	N

TABLE 5.--Analytical results for the magnetic fraction of the panned concentrates from stream-sediment samples on St. Thomas and St. John, U.S. Virgin Islands

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

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CC
83ST001	18 20 46	64 53 14	7	.3	10	.5	1,500	N	N	N	70	70	N	N	N	15
83ST001S	18 20 46	64 53 14	15	.3	5	.2	2,000	N	N	N	20	300	5	N	N	15
83ST002	18 20 48	64 52 44	15	1.	7	1.5	2,000	N	N	N	30	200	N	N	N	70
83ST002S	18 20 48	64 52 44	15	2.	7	1.5	2,000	N	N	N	50	200	N	N	N	70
83ST003	18 20 23	64 51 58	7	1.5	10	.5	1,500	N	N	N	50	70	N	N	N	70
83ST003S	18 20 23	64 51 58	7	1.	10	.5	1,500	N	N	N	70	70	N	N	N	15
83ST004S	18 19 15	64 50 24	7	1.	10	.2	1,000	N	N	N	50	70	N	N	N	30
83ST005S	18 19 36	64 50 13	7	.7	15	.3	1,500	N	N	N	50	<50	N	N	N	20
83ST006S	18 19 2	64 49 40	5	5.	15	.15	1,500	N	N	N	20	<50	N	N	N	20
83ST007S	18 18 41	64 49 41	7	.7	10	.7	1,500	N	N	N	50	<50	N	N	N	15
83ST008S	18 17 52	64 49 2	30	.1	.1	.5	300	N	N	N	30	200	2	N	N	10
83ST009S	18 18 0	64 49 25	30	.3	.2	.7	700	N	N	N	20	70	2	N	N	100
83ST010S	18 18 6	64 49 34	30	.2	.15	1.	700	N	N	N	20	100	<2	N	N	30
83ST011S	18 18 10	64 49 44	20	.3	.2	.5	2,000	N	N	N	<20	300	<2	N	N	50
83ST012S	18 18 54	64 50 50	15	1.	5.	1.5	10,000	N	N	N	50	1,500	N	N	N	20
83ST013S	18 18 33	64 51 52	30	.2	.1	1.	1,500	3	N	N	<20	500	N	N	N	30
83ST014S	18 18 26	64 52 14	30	.2	.1	.7	>10,000	N	N	N	<20	700	<2	N	N	500
83ST015S	18 18 24	64 52 28	10	.7	10	.7	2,000	N	N	N	<20	<50	N	N	N	100
83ST016S	18 19 47	64 56 42	10	1.	10	.5	1,500	N	N	N	50	N	N	N	N	15
83ST017S	18 19 18	64 56 34	7	2.	10	.3	3,000	N	N	N	50	300	<2	N	N	15
83ST022S	18 21 15	64 59 39	7	1.5	10	.7	1,500	N	N	N	70	70	<2	N	N	20
83ST023S	18 20 47	64 58 36	15	1.	7	1.	1,000	N	N	N	70	1,000	N	N	N	15
83ST024S	18 20 21	64 50 42	10	.2	10	.2	1,500	N	N	N	20	<50	N	N	N	50
83ST025S	18 21 17	64 52 54	20	1.	7	1.	1,500	N	N	N	50	150	N	N	N	70
83ST026	18 21 22	64 53 21	20	1.	7	2.	1,500	N	N	N	50	200	N	N	N	70
83ST027S	18 21 52	64 53 35	7	1.5	7	.5	1,500	N	N	N	30	300	N	N	N	20
83ST029S	18 24 7	64 54 45	7	1.5	10	.5	1,000	N	N	N	30	50	N	N	N	20
83ST030S	18 24 35	64 54 29	7	.3	10	.5	1,500	N	N	N	30	150	N	N	N	10
83ST031S	18 22 1	64 54 24	10	1.	7	.7	5,000	N	N	N	70	1,000	<2	N	N	70
83ST032	18 22 37	64 55 41	20	.7	2	.7	>10,000	N	N	N	150	2,000	2	N	N	300
83ST033	18 22 1	64 55 15	15	2.	5	1.	3,000	N	N	N	70	500	N	N	N	70
83ST034	18 21 34	64 55 39	7	.7	7	.7	1,500	N	N	N	50	100	N	N	N	15
83ST035	18 21 49	64 56 14	10	1.	10	.5	2,000	N	N	N	70	300	N	N	N	20
83ST036	18 22 28	64 56 57	7	2.	10	.3	1,000	N	N	N	50	70	N	N	N	15
83ST037	18 22 12	64 58 5	7	.7	7	.5	1,500	N	N	N	50	100	N	N	N	15
83ST038	18 23 0	64 58 8	5	1.5	10	.15	1,500	N	N	N	30	50	N	N	N	15
83ST039	18 23 14	64 58 21	7	1.	10	.5	1,500	N	N	N	30	100	N	N	N	10
83ST040	18 23 41	64 58 8	15	2.	7	>2.	5,000	N	N	N	70	700	N	N	N	20
83ST041	18 24 5	64 58 30	15	2.	7	2.	1,500	N	N	N	70	150	N	N	N	20
83ST042	18 22 24	64 58 32	10	1.	7	.5	7,000	N	N	N	50	1,000	N	N	N	50
83ST043	18 22 21	64 59 0	10	.7	10	.5	1,500	N	N	N	70	150	N	N	N	15
83ST044S	18 22 24	64 59 27	7	.7	5	.5	5,000	N	N	N	70	700	N	N	N	70
83ST045S	18 20 4	64 56 15	15	.15	1.5	>2.	2,000	N	N	N	50	300	N	N	N	15
83ST046	18 19 42	64 56 7	10	1.	7	.5	1,500	N	N	N	70	200	<2	N	N	15
83ST047S	18 16 44	64 53 46	10	3.	7	1.5	2,000	N	N	N	30	N	N	N	N	50

TABLE 5.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
83ST001	70	50	<50	15	N	15	70	N	50	N	1,000	500	N	50	N	70
83ST001S	<20	150	N	N	N	10	70	N	30	N	700	300	N	50	N	30
83ST002	100	300	50	10	N	50	100	N	70	N	1,000	1,000	N	50	N	100
83ST002S	150	300	<50	N	N	70	70	N	70	N	1,000	700	N	50	N	100
83ST003	100	100	<50	N	N	30	30	N	70	N	1,000	700	N	50	N	50
83ST003S	100	50	<50	N	N	20	30	N	70	N	1,000	500	N	50	N	50
83ST004S	200	150	N	N	N	30	100	N	70	N	700	700	N	50	N	20
83ST005S	100	70	N	N	N	30	30	N	70	N	1,000	700	N	50	N	50
83ST006S	700	50	N	N	N	70	30	N	70	N	700	500	N	20	N	<20
83ST007S	30	50	<50	N	N	20	30	N	70	N	1,000	700	N	50	N	50
83ST008S	100	100	N	20	N	15	70	N	30	N	N	100	N	100	N	100
83ST009S	1,500	150	N	N	N	50	50	N	20	N	N	300	N	200	N	100
83ST010S	200	70	N	15	N	20	70	N	20	N	N	300	N	150	700	50
83ST011S	70	70	N	30	N	30	50	N	30	N	N	500	N	50	N	30
83ST012S	300	150	<50	N	N	30	50	N	30	N	700	500	N	50	N	50
83ST013S	50	2,000	N	50	N	15	70	N	10	N	N	1,000	N	<20	1,500	30
83ST014S	700	700	N	30	N	500	70	N	50	N	N	1,000	N	30	500	30
83ST015S	70	200	N	N	N	30	20	N	70	N	700	1,000	N	20	N	30
83ST016S	150	70	N	N	N	15	20	N	70	N	1,000	700	N	50	N	30
83ST017S	500	30	N	N	N	30	30	N	50	N	700	200	N	50	N	50
83ST022S	70	70	N	N	N	20	70	N	50	N	1,000	500	N	30	N	50
83ST023S	100	70	N	N	N	30	50	N	30	N	1,000	1,000	N	30	N	N
83ST024S	30	150	N	N	N	20	30	N	70	N	700	700	N	30	N	20
83ST025S	200	700	50	N	N	70	50	N	50	N	1,000	1,000	N	50	N	70
83ST026	200	500	50	15	N	70	70	N	50	N	1,000	700	N	50	N	70
83ST027S	70	70	<50	N	N	20	30	N	30	N	1,000	500	N	<20	N	50
83ST029S	150	100	<50	N	N	30	30	N	30	N	1,000	700	N	30	N	50
83ST030S	50	70	<50	N	N	15	30	N	50	N	1,500	700	N	30	N	50
83ST031S	70	300	N	15	N	70	70	N	30	N	1,500	700	N	30	N	50
83ST032	150	700	<50	<10	N	150	200	N	50	N	700	700	N	50	N	30
83ST033	500	300	<50	N	N	50	100	N	50	N	1,000	1,000	N	50	N	150
83ST034	70	70	<50	N	N	15	50	N	50	N	1,000	700	N	50	N	50
83ST035	70	150	N	N	N	20	50	N	50	N	1,500	1,000	N	50	N	70
83ST036	200	70	N	N	N	50	30	N	50	N	1,000	700	N	30	N	<20
83ST037	<20	70	N	N	N	10	30	N	20	N	1,500	500	N	30	N	30
83ST038	50	50	N	N	N	15	<20	N	30	N	700	500	N	<20	N	<20
83ST039	70	50	<50	N	N	20	30	N	70	N	2,000	700	N	70	N	30
83ST040	70	500	<50	N	N	30	30	N	50	N	700	1,000	N	70	N	150
83ST041	70	500	<50	N	N	30	70	N	50	N	700	1,000	N	70	N	150
83ST042	N	70	N	N	N	10	20	N	50	N	1,000	500	N	50	N	30
83ST043	200	70	N	N	N	15	20	N	50	N	2,000	700	N	50	N	30
83ST044S	50	300	<50	N	N	20	20	N	50	N	300	700	N	50	N	30
83ST045S	30	50	N	N	N	<10	70	N	50	N	300	300	N	50	N	100
83ST046	300	70	<50	N	N	50	30	N	30	N	700	500	N	50	N	50
83ST047S	70	70	<50	N	N	50	30	N	50	N	700	700	N	50	N	150

TABLE 5.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO
83ST048	18 18 39	64 53 4	15	1	7	.3	1,500	<1	N	N	30	<50	N	50	N	70
83ST049S	18 18 58	64 53 28	20	.7	2	1	1,000	5	N	N	20	<50	<2	N	N	70
83ST050	18 19 38	64 55 18	7	1.5	7	.7	1,500	N	N	N	30	50	N	N	N	15
83ST051	18 19 37	64 56 58	15	.3	7	2	2,000	N	N	N	50	150	5	N	N	<10
83ST052	18 19 48	64 57 31	20	.3	.5	.2	700	N	N	N	30	70	2	N	N	10
83ST054	18 19 55	64 58 21	30	.15	.1	.7	150	N	N	N	20	700	N	<20	N	N
83ST055	18 21 0	64 59 10	7	2	10	.5	1,500	N	N	N	50	<50	N	N	N	20
83ST056	18 20 54	65 1 54	7	1	7	.3	1,500	N	N	N	70	<50	N	N	N	20
83ST057	18 21 16	65 2 6	7	.7	7	.2	2,000	N	N	N	70	150	N	N	N	15
83ST058	18 20 40	65 4 47	5	.7	10	.2	1,500	N	N	N	50	70	N	N	N	15
83ST059	18 20 23	65 5 6	7	.5	10	.3	1,500	N	N	N	50	50	<2	N	N	15
83ST060	18 21 42	65 2 49	7	.7	10	.5	2,000	N	N	N	50	500	<2	N	N	15
83ST061	18 21 43	65 3 9	7	.7	7	.7	10,000	N	N	N	50	2,000	<2	N	N	100
83ST062S	18 22 52	65 3 40	10	1	7	.5	2,000	N	N	N	50	500	5	N	N	20
83ST063S	18 24 20	65 3 36	7	3	7	.3	1,000	N	N	N	50	50	N	N	N	10
83ST065	18 21 46	64 59 37	10	1	10	.3	1,500	N	N	N	70	50	N	N	N	20
83ST067	18 19 41	64 51 14	20	.5	5	2	2,000	1	N	N	50	200	<2	N	N	70
83ST068	18 19 59	64 51 14	10	.3	7	1	2,000	N	N	N	100	150	N	N	N	30
83ST069	18 19 36	64 51 40	10	.3	7	1.5	1,500	N	N	N	70	200	N	N	N	20
83ST070	18 19 40	64 52 23	10	.5	7	1	2,000	N	N	N	70	100	N	N	N	20
83ST071	18 19 42	64 52 25	7	.3	7	.5	1,500	N	N	N	70	100	N	N	N	10
83ST072	18 19 19	64 53 29	7	.7	7	.7	2,000	N	N	N	50	50	N	N	N	15
83ST073	18 19 27	64 53 28	10	.7	7	.5	5,000	2	N	N	50	100	N	N	N	70
83ST074	18 20 5	64 53 3	7	1.5	10	.7	2,000	10	N	N	50	200	N	N	N	20
83ST075	18 19 44	64 53 0	5	.3	7	.5	2,000	N	N	N	50	100	<2	N	N	<10
83ST076	18 19 34	64 54 35	10	.5	7	.5	5,000	N	N	N	50	200	N	N	N	15
83ST077	18 19 12	64 54 42	10	.7	7	2	1,500	N	N	N	50	<50	N	N	N	20
83ST078	18 19 11	64 53 59	10	.7	20	.5	1,500	N	N	N	30	<50	N	N	N	20
83ST079	18 19 30	64 54 16	15	.7	5	.7	10,000	N	N	N	50	2,000	<2	N	N	30
83ST080	18 20 13	64 54 30	10	.7	10	.7	2,000	N	N	N	70	200	N	N	N	20
83ST081	18 20 18	64 54 24	7	.7	7	.7	1,500	N	N	N	50	100	N	N	N	15
83ST082	18 20 12	64 54 12	10	.7	10	.5	2,000	N	N	N	50	70	N	N	N	15
83ST083	18 20 15	64 53 30	7	.5	10	.7	1,500	N	N	N	70	<50	N	N	N	15
83ST085	18 21 32	64 54 30	7	1	7	.7	1,500	N	N	N	50	100	N	N	N	20
83ST086	18 21 17	64 55 16	7	.3	10	.3	2,000	N	N	N	100	100	<2	N	N	15
83ST087	18 21 43	64 56 31	7	.5	7	.7	2,000	N	N	N	50	300	<2	N	N	70
83ST088	18 22 11	64 57 8	7	1	10	.3	5,000	N	N	N	50	700	N	N	N	20
83ST089	18 22 9	64 57 38	10	.7	7	.3	1,500	N	N	N	50	200	N	N	N	20
83ST090	18 21 52	64 58 35	10	.3	5	.5	2,000	N	N	N	20	300	N	N	N	20
83ST091	18 21 39	65 0 55	7	1	7	.7	2,000	N	N	N	50	70	N	N	N	20
83ST092	18 21 32	65 1 5	7	.7	10	.5	2,000	N	N	N	70	150	N	N	N	20
83ST093	18 21 4	65 1 22	7	1	7	.5	2,000	N	N	N	70	100	N	N	N	20
83ST094	18 20 45	65 1 22	10	1	7	.7	2,000	N	N	N	70	70	N	N	N	20
83ST095S	18 21 15	65 0 10	7	1.5	7	1	1,500	N	N	N	50	50	N	N	N	20
83ST096	18 21 28	65 1 55	7	.7	7	.5	2,000	N	N	N	70	100	N	N	N	15



TABLE 5.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
83ST048	1,000	1,500	<50	N	N	70	30	N	50	N	300	700	N	50	N	20
83ST049S	500	700	<50	N	N	30	70	N	20	N	N	300	N	50	N	30
83ST050	70	100	<50	N	N	20	100	N	70	N	700	700	N	30	N	30
83ST051	300	30	50	N	N	10	70	N	50	N	1,000	300	N	70	N	70
83ST052	20	50	30	N	N	<10	150	N	70	N	N	700	N	100	N	200
83ST054	<20	300	N	50	N	<10	200	N	10	N	N	200	N	50	N	70
83ST055	100	70	<50	N	N	30	150	N	70	N	1,000	700	N	50	N	30
83ST056	<20	70	<50	N	N	10	<20	N	20	N	500	700	N	20	N	<20
83ST057	<20	50	<50	N	N	10	<20	N	30	N	1,500	500	N	30	N	30
83ST058	30	50	<50	N	N	10	20	N	30	N	1,000	300	N	20	N	30
83ST059	20	30	<50	N	N	10	30	N	20	N	2,000	200	N	20	N	50
83ST060	<20	50	50	N	N	10	30	N	50	N	2,000	300	N	70	N	70
83ST061	<20	70	<50	10	N	10	70	N	30	N	1,500	200	N	50	N	50
83ST062S	20	100	<50	N	N	20	50	N	30	N	1,000	500	N	50	N	70
83ST063S	50	50	N	N	N	10	30	N	70	N	1,500	300	N	30	N	50
83ST065	20	150	N	15	N	10	30	N	50	N	1,000	1,000	N	30	N	<20
83ST067	200	500	50	N	N	30	300	N	50	N	700	700	N	300	N	50
83ST068	500	100	<50	N	N	30	50	N	70	N	1,000	500	N	50	N	70
83ST069	150	70	50	<10	N	15	50	N	30	N	1,000	500	N	50	N	70
83ST070	500	70	<50	<10	N	30	70	N	50	N	1,000	500	N	50	N	70
83ST071	200	50	<50	N	N	10	50	N	50	N	1,000	300	N	50	N	30
83ST072	2,000	150	<50	N	N	20	50	N	50	N	700	500	N	50	N	50
83ST073	2,000	500	100	20	N	30	50	N	50	N	500	700	N	70	<500	30
83ST074	50	70	<50	N	N	20	150	N	70	N	1,000	700	N	50	N	50
83ST075	200	30	N	N	N	10	30	N	30	N	1,000	200	N	50	N	50
83ST076	50	200	N	N	N	15	50	N	70	N	700	500	N	50	N	30
83ST077	500	100	50	N	N	30	50	N	50	N	500	500	N	50	N	70
83ST078	50	100	N	N	N	20	70	N	50	N	700	700	N	50	N	30
83ST079	50	200	<50	N	N	30	100	N	50	N	700	500	N	50	N	30
83ST080	700	200	50	N	N	20	1,000	N	70	N	1,000	500	N	50	N	100
83ST081	30	70	N	<10	N	15	30	N	50	N	700	500	N	50	N	30
83ST082	300	150	N	N	N	10	30	N	70	N	1,000	700	N	50	N	30
83ST083	20	30	N	N	N	10	30	N	50	N	1,000	700	N	50	N	50
83ST085	70	70	<50	N	N	20	50	N	50	N	1,000	700	N	30	N	50
83ST086	200	50	<50	N	N	15	30	N	50	N	1,000	300	N	50	N	50
83ST087	30	70	<50	N	N	10	30	N	30	N	1,000	200	N	50	N	50
83ST088	100	70	N	10	N	20	70	N	50	N	700	700	N	30	N	30
83ST089	50	100	N	N	N	10	20	N	50	N	1,000	500	N	30	N	30
83ST090	50	100	N	N	N	20	30	N	30	N	1,500	700	N	30	N	30
83ST091	30	100	N	N	N	20	<20	N	50	N	1,000	700	N	30	N	30
83ST092	30	70	N	N	N	15	20	N	50	N	3,000	500	N	30	N	30
83ST093	30	100	N	N	N	15	<20	N	50	N	500	700	N	30	N	30
83ST094	70	150	N	N	N	15	<20	N	50	N	500	1,000	N	30	N	30
83ST095S	30	70	N	N	N	20	<20	N	50	N	300	700	N	20	N	30
83ST096	<20	70	N	N	N	15	<20	N	30	N	1,500	700	N	30	N	30

TABLE 5.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CD
83ST097	18 20 44	64 56 55	10	1.5	10	.7	2,000	N	N	N	50	150	N	N	N	20
83ST098	18 20 49	64 57 8	10	1.5	10	.7	2,000	N	N	N	50	50	N	N	N	20
83ST099	18 20 58	64 57 46	10	1.5	7	.5	2,000	N	N	N	50	200	N	N	N	20
83ST102S	18 18 28	64 50 0	10	5	10	.5	2,000	N	N	N	N	<50	N	N	N	30
83ST103S	18 18 57	64 49 55	7	1	10	1	2,000	N	N	N	20	<50	N	N	N	15
83ST104S	18 21 33	64 50 21	10	1.5	10	.7	2,000	N	N	N	20	1,000	<2	N	N	20
83ST105S	18 21 44	64 49 32	10	2	15	.7	1,500	N	N	N	N	300	N	N	N	15
83ST106S	18 21 43	64 49 42	10	3	15	1	3,000	N	N	N	N	<50	N	N	N	50
83ST108S	18 21 50	64 52 12	10	5	7	1	3,000	N	N	N	N	150	N	N	N	50
83ST109S	18 21 34	64 51 46	20	3	5	1	2,000	N	N	N	50	500	N	N	N	70
83ST110S	18 20 48	64 51 45	10	.5	20	.7	2,000	N	N	N	20	50	N	N	N	20
83ST111S	18 19 52	64 50 47	10	1	7	2	3,000	N	N	N	N	500	N	<20	N	50
84SJ001	18 20 27	64 47 22	7	.7	15	1.5	2,000	N	N	N	50	200	N	N	N	<10
84SJ002	18 20 29	64 47 6	10	1.5	15	1.5	2,000	N	N	N	70	150	N	N	N	15
84SJ003	18 20 49	64 46 51	15	5	10	1	2,000	N	N	N	30	100	N	N	N	100
84SJ004	18 20 53	64 46 36	10	5	15	.7	3,000	N	N	N	50	500	N	N	N	50
84SJ005	18 21 8	64 46 30	10	1.5	15	.7	2,000	N	N	N	30	150	N	N	N	20
84SJ006	18 21 12	64 46 5	10	2	15	.7	2,000	N	N	N	50	150	N	N	N	20
84SJ007	18 21 12	64 45 49	10	5	15	.7	3,000	N	N	N	50	100	N	N	N	20
84SJ008	18 21 12	64 45 21	10	2	15	.7	2,000	N	N	N	50	150	N	N	N	20
84SJ009	18 21 16	64 45 9	7	3	10	.7	3,000	N	N	N	50	200	N	N	N	20
84SJ010	18 21 57	64 44 29	15	7	5	.7	3,000	N	N	N	30	300	N	N	N	70
84SJ011	18 21 57	64 44 17	10	7	7	1	5,000	N	N	N	50	500	N	N	N	50
84SJ012	18 21 54	64 43 40	15	3	30	1	7,000	N	N	N	30	70	N	N	N	50
84SJ013	18 21 30	64 44 6	15	5	15	.7	3,000	N	N	N	30	200	N	N	N	50
84SJ014	18 21 28	64 44 22	15	3	20	2	7,000	N	N	N	30	200	N	N	N	50
84SJ015	18 21 50	64 43 6	10	7	20	1	5,000	N	N	N	20	200	N	N	N	50
84SJ016	18 21 27	64 43 42	10	5	15	1	3,000	N	N	N	30	500	N	N	N	50
84SJ017	18 21 15	64 43 2	20	2	7	>2	10,000	N	N	N	50	300	N	N	N	70
84SJ018	18 21 7	64 42 48	15	5	10	1	3,000	N	N	N	50	150	N	N	N	50
84SJ019	18 21 20	64 42 22	15	5	15	2	7,000	N	N	N	50	300	N	N	N	50
84SJ020	18 21 30	64 42 4	20	3	10	2	7,000	N	N	N	100	150	N	N	N	70
84SJ021	18 21 4	64 43 24	10	5	15	1	3,000	N	N	N	20	150	N	N	N	30
84SJ022	18 20 57	64 43 29	15	3	10	1.5	5,000	N	N	N	30	300	<2	N	N	20
84SJ023	18 20 55	64 43 27	15	2	10	1.5	5,000	N	N	N	50	500	<2	N	N	30
84SJ024	18 20 32	64 42 55	15	2	15	1.5	3,000	N	N	N	50	300	N	N	N	20
84SJ025	18 20 42	64 43 5	10	3	15	1	5,000	N	N	N	50	1,000	N	N	N	50
84SJ026	18 21 29	64 41 45	15	5	10	1.5	5,000	N	N	N	150	500	N	N	N	70
84SJ027	18 21 33	64 41 27	20	1.5	10	2	3,000	N	N	N	<20	200	N	N	N	100
84SJ028	18 21 9	64 40 59	20	5	7	>2	7,000	N	N	N	N	500	<2	N	N	100
84SJ029	18 20 20	64 40 23	50	1.5	3	>2	1,500	N	N	N	N	200	N	N	N	300
84SJ030	18 20 33	64 40 26	30	3	7	>2	3,000	N	N	N	N	150	N	N	N	70
84SJ031	18 20 43	64 40 27	20	2	10	2	3,000	N	N	N	N	300	N	N	N	70
84SJ032	18 20 17	64 42 49	10	2	15	2	2,000	N	N	N	30	200	N	N	N	15
84SJ033	18 20 3	64 42 31	30	1.5	10	1.5	2,000	3	N	N	30	300	N	N	N	300

TABLE 5.--Continued

SAMPLE	S-CK	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
83ST097	150	100	<50	N	N	20	150	N	70	N	1,500	1,000	N	50	N	50
83ST098	70	100	N	N	N	20	30	N	50	N	1,000	1,000	N	30	N	30
83ST099	70	100	N	N	N	20	30	N	50	N	1,000	1,000	N	30	N	30
83ST102S	700	150	<50	N	N	70	50	N	70	N	300	500	N	30	N	20
83ST103S	150	50	<50	N	N	20	70	N	50	N	1,000	500	N	50	N	50
83ST104S	50	500	<50	<10	N	50	30	N	20	N	700	500	N	20	N	50
83ST105S	50	200	N	N	N	20	50	N	20	N	1,500	500	N	20	N	50
83ST106S	30	100	N	N	N	20	20	N	30	N	<200	700	N	30	N	30
83ST108S	70	150	N	N	N	50	20	N	70	N	500	700	N	20	N	50
83ST109S	20	1,000	N	N	N	70	100	N	50	N	1,000	1,000	N	30	N	50
83ST110S	50	100	<50	N	N	30	<20	N	15	N	300	300	N	50	N	70
83ST111S	<20	500	N	N	N	20	30	N	50	N	500	1,000	N	50	N	100
84SJ001	20	150	50	N	N	10	50	N	15	N	1,000	700	N	70	N	200
84SJ002	200	100	<50	N	N	20	30	N	15	N	1,500	1,500	N	50	N	200
84SJ003	50	300	N	N	N	50	<20	N	10	N	700	700	N	50	N	70
84SJ004	100	150	50	N	N	30	20	N	15	N	1,500	700	N	30	N	100
84SJ005	50	150	<50	N	N	20	20	N	20	N	1,000	1,000	N	50	N	100
84SJ006	50	150	<50	N	N	15	20	N	15	N	1,000	700	N	50	N	100
84SJ007	100	150	<50	N	N	30	<20	N	20	N	1,000	1,500	N	50	N	100
84SJ008	150	150	<50	N	N	20	20	N	20	N	1,500	1,500	N	70	N	100
84SJ009	70	100	<50	N	N	30	20	N	10	N	700	700	N	50	N	100
84SJ010	100	300	N	N	N	150	<20	N	15	N	<200	1,000	N	50	N	100
84SJ011	70	150	N	N	N	30	20	N	15	N	300	700	N	50	N	100
84SJ012	70	100	N	N	N	20	<20	N	10	N	300	1,500	N	50	N	100
84SJ013	200	200	N	N	N	50	50	N	15	N	500	1,500	N	50	N	100
84SJ014	300	200	N	N	N	70	50	N	15	N	1,000	1,500	N	70	N	150
84SJ015	100	150	N	N	N	150	<20	N	15	N	200	1,500	N	50	N	100
84SJ016	70	150	N	N	N	30	<20	N	20	N	300	1,500	N	30	N	100
84SJ017	50	300	<50	N	N	30	70	N	15	N	300	500	N	100	3,000	700
84SJ018	70	150	N	N	N	70	<20	N	15	N	300	1,000	N	50	N	70
84SJ019	70	150	<50	N	N	50	30	N	15	N	1,000	700	N	70	N	100
84SJ020	50	150	100	N	N	50	100	N	15	700	500	700	N	150	N	150
84SJ021	150	100	N	N	N	50	30	N	20	N	500	700	N	50	N	100
84SJ022	100	150	50	N	N	30	30	N	10	N	700	700	N	50	N	150
84SJ023	20	300	<50	N	N	20	70	N	10	N	700	1,000	N	70	N	150
84SJ024	1,000	150	50	N	N	30	100	N	10	150	1,000	1,000	N	70	N	150
84SJ025	700	150	<50	N	N	30	50	N	10	N	1,000	1,000	N	70	N	100
84SJ026	150	300	<50	N	N	30	70	N	10	N	700	1,000	N	70	N	1,500
84SJ027	1,000	500	N	N	N	50	20	N	<10	N	N	2,000	N	70	N	100
84SJ028	70	700	N	N	N	30	20	N	20	N	N	700	N	300	N	200
84SJ029	100	1,000	50	N	N	50	30	N	15	N	N	1,000	N	500	N	100
84SJ030	150	200	N	N	N	70	20	N	15	N	<200	1,000	N	200	N	100
84SJ031	100	500	N	N	N	50	30	N	10	N	700	700	N	70	N	100
84SJ032	700	150	N	N	N	30	100	N	15	N	1,000	700	N	70	N	100
84SJ033	1,000	1,500	N	N	N	70	70	N	10	N	1,000	1,000	N	300	N	100

TABLE 5.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CU
84SJ034	18 19 44	64 42 14	15	1.5	7	1	2,000	N	N	N	20	70	N	N	N	50
84SJ035	18 19 19	64 42 5	15	1	7	.2	2,000	N	N	N	20	150	<2	N	N	30
84SJ036	18 19 10	64 42 23	15	2	15	.7	2,000	N	N	N	20	20	N	N	N	70
84SJ037	18 19 3	64 42 45	15	1	15	1.5	3,000	N	N	N	50	70	N	N	N	30
84SJ038	18 19 15	64 43 9	10	1	20	1	2,000	N	N	N	50	100	<2	N	N	20
84SJ039	18 19 46	64 43 4	7	1	20	.5	2,000	N	N	N	30	70	<2	N	N	20
84SJ040	18 19 50	64 43 5	10	2	15	.7	2,000	N	N	N	50	200	N	N	N	20
84SJ041	18 19 49	64 43 11	7	1.5	15	1	7,000	N	N	N	30	700	N	N	N	15
84SJ042	18 19 39	64 43 20	10	1	15	1.5	3,000	N	N	N	50	100	<2	N	N	15
84SJ043	18 19 32	64 43 18	15	.7	15	1.5	3,000	N	N	N	50	300	<2	N	N	20
84SJ044	18 19 24	64 44 4	15	.5	15	.7	2,000	N	N	N	70	150	<2	N	N	<10
84SJ045	18 19 24	64 43 50	10	1.5	15	1	3,000	N	N	N	70	300	N	N	N	20
84SJ046	18 19 26	64 43 44	15	1	20	1.5	2,000	N	N	N	70	200	N	N	N	15
84SJ048	18 19 39	64 45 57	10	5	15	1	2,000	N	N	N	70	100	N	N	N	30
84SJ049	18 19 44	64 45 48	15	1.5	15	1	2,000	N	N	N	100	50	N	N	N	20
84SJ050	18 19 35	64 45 30	10	1	20	1	1,500	N	N	N	100	50	N	N	N	15
84SJ051	18 19 29	64 45 27	15	1	15	.5	2,000	N	N	N	50	200	<2	N	N	20
84SJ053	18 20 27	64 45 32	10	2	20	.7	2,000	N	N	N	50	100	N	N	N	20
84SJ054	18 20 29	64 45 34	10	1.5	20	.7	2,000	N	N	N	50	70	N	N	N	15
84SJ055	18 20 19	64 45 36	10	1	20	.5	2,000	N	N	N	50	70	N	N	N	15
84SJ056	18 20 21	64 45 41	10	1.5	15	.7	2,000	N	N	N	50	100	N	N	N	20
84SJ057	18 20 7	64 45 42	15	1.5	20	1	2,000	N	N	N	70	70	N	N	N	15
84SJ058	18 20 4	64 45 51	10	1.5	15	.7	2,000	N	N	N	70	150	N	N	N	20
84SJ059	18 19 22	64 46 48	15	2	15	.7	2,000	N	N	N	70	100	N	N	N	20
84SJ070	18 20 39	64 46 18	15	1.5	20	.7	2,000	N	N	N	70	200	N	N	N	15
84SJ071	18 20 32	64 46 7	10	1.5	15	.7	2,000	N	N	N	50	150	N	N	N	15
84SJ072	18 20 43	64 45 40	10	1	20	.7	2,000	N	N	N	70	70	N	N	N	20
84SJ073	18 20 20	64 46 22	10	2	15	.5	2,000	N	N	N	70	100	N	N	N	15
84SJ074	18 20 9	64 46 13	15	1	15	.7	3,000	N	N	N	70	100	N	N	N	15
84SJ075	18 20 5	64 46 16	15	1.5	15	1	1,500	N	N	N	70	300	N	N	N	20
84SJ076	18 20 4	64 46 37	15	1	15	1.5	2,000	N	N	N	100	300	N	N	N	20
84SJ077	18 20 7	64 46 36	10	1.5	15	.7	2,000	N	N	N	70	150	N	N	N	15
84SJ078	18 19 47	64 46 40	10	3	15	.7	2,000	N	N	N	70	100	N	N	N	15
84SJ079	18 20 10	64 47 27	10	1	15	.7	1,500	N	N	N	50	70	N	N	N	10
84SJ081	18 20 50	64 44 31	20	2	10	.2	5,000	N	N	N	20	300	N	N	N	100
84SJ082	18 20 51	64 44 32	15	2	15	2	7,000	N	N	N	20	300	N	N	N	30
84SJ083	18 20 31	64 44 27	15	1.5	15	2	2,000	N	N	N	30	150	N	N	N	20
84SJ084	18 20 28	64 44 30	10	1.5	15	.7	1,500	N	N	N	70	100	N	N	N	20
84SJ085	18 20 14	64 44 23	15	1.5	15	1	3,000	N	N	N	50	500	<2	N	N	30
84SJ086	18 19 58	64 44 23	15	2	15	2	2,000	1.5	N	N	50	300	<2	N	N	30
84SJ087	18 19 44	64 44 27	15	1	15	1	2,000	N	N	N	100	200	<2	N	N	20
84SJ088	18 21 17	64 47 36	15	2	15	2	2,000	N	N	N	20	300	N	N	N	70
84SJ089	18 21 28	64 47 24	20	1.5	20	1.5	2,000	N	N	N	50	200	N	N	N	50
84SJ090	18 21 45	64 48 31	30	2	5	.2	3,000	N	N	N	20	200	N	N	N	70
84SJ091	18 21 38	64 49 0	20	3	15	2	3,000	N	N	N	20	200	N	N	N	70



TABLE 5.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-U	S-W	S-Y	S-ZN	S-ZR
84SJ034	70	700	N	N	N	50	50	N	10	N	700	1,000	N	70	N	200
84SJ035	150	700	N	N	N	30	50	N	<10	N	700	1,000	N	70	N	150
84SJ036	150	500	N	N	N	100	50	N	15	N	500	1,000	N	50	N	50
84SJ037	3,000	150	N	N	N	50	50	N	15	N	1,500	1,500	N	70	N	70
84SJ038	1,500	70	N	N	N	20	50	N	10	N	1,500	700	N	70	N	100
84SJ039	200	50	50	N	N	20	50	N	10	N	2,000	500	N	100	N	150
84SJ040	500	150	N	N	N	20	70	N	10	N	1,000	700	N	70	N	70
84SJ041	100	70	<50	N	N	15	100	N	<10	N	1,000	700	N	70	N	100
84SJ042	200	150	N	N	N	15	50	N	10	N	1,000	700	N	70	N	150
84SJ043	700	70	50	N	N	20	50	N	10	N	1,500	700	N	70	N	150
84SJ044	1,500	70	<50	N	N	20	70	N	<10	N	1,500	700	N	50	N	100
84SJ045	50	100	50	N	N	20	50	N	<10	N	1,500	1,000	N	50	N	150
84SJ046	70	100	<50	N	N	20	50	N	10	N	1,500	1,500	N	70	N	150
84SJ048	200	150	<50	N	N	30	20	N	15	N	1,500	1,500	N	50	N	100
84SJ049	700	150	N	N	N	30	30	N	10	N	1,500	1,500	N	50	N	70
84SJ050	300	100	N	N	N	30	30	N	15	N	1,500	1,500	N	70	N	100
84SJ051	50	700	N	N	N	20	300	N	<10	N	1,500	1,000	N	70	<500	100
84SJ053	100	100	<50	N	N	30	20	N	20	N	2,000	1,500	N	70	N	100
84SJ054	150	100	N	N	N	30	30	N	20	N	2,000	1,000	N	50	N	100
84SJ055	150	70	N	N	N	20	20	N	<10	N	1,500	1,000	N	50	N	100
84SJ056	200	100	<50	N	N	30	20	N	10	N	1,500	1,000	N	50	N	100
84SJ057	70	100	N	N	N	30	20	N	15	N	1,500	1,500	N	50	N	70
84SJ058	50	70	N	N	N	30	20	N	10	N	1,500	1,500	N	50	N	100
84SJ059	200	200	N	N	N	30	50	N	15	N	1,500	1,500	N	50	N	100
84SJ070	100	150	<50	N	N	30	50	N	20	N	2,000	1,500	N	70	N	100
84SJ071	100	100	N	N	N	30	30	N	15	N	1,500	1,500	N	50	N	100
84SJ072	100	100	N	N	N	20	30	N	20	N	200	1,500	N	70	N	100
84SJ073	50	150	<50	N	N	30	30	N	15	N	1,500	1,000	N	50	N	70
84SJ074	100	100	N	N	N	20	30	N	20	N	1,500	1,500	N	70	N	100
84SJ075	100	150	<50	N	N	20	30	N	10	N	1,500	1,000	N	50	N	100
84SJ076	700	150	<50	N	N	30	30	N	15	N	1,500	1,500	N	70	N	150
84SJ077	150	100	N	N	N	20	30	N	15	N	2,000	1,000	N	50	N	100
84SJ078	150	150	N	N	N	30	30	N	20	N	2,000	1,500	N	50	N	100
84SJ079	200	70	<50	N	N	30	50	N	15	N	2,000	1,000	N	50	N	150
84SJ081	500	300	<50	N	N	50	50	N	15	N	700	1,000	N	70	N	200
84SJ082	500	200	<50	N	N	50	50	N	15	N	1,000	1,000	N	70	N	100
84SJ083	1,000	100	N	N	N	30	30	N	15	N	1,500	1,000	N	70	N	100
84SJ084	100	70	N	N	N	30	30	N	10	N	1,500	700	N	70	N	150
84SJ085	500	200	<50	N	N	30	50	N	10	N	1,500	1,000	N	70	N	100
84SJ086	70	500	N	30	N	30	50	N	<10	N	1,000	1,000	N	70	N	150
84SJ087	50	100	N	N	N	15	30	N	<10	N	1,500	700	N	50	N	150
84SJ088	200	200	50	N	N	70	50	N	20	N	1,500	1,500	N	70	N	200
84SJ089	5,000	200	<50	N	N	30	50	N	20	N	2,000	1,000	N	70	N	100
84SJ090	70	700	<50	N	N	70	50	N	<10	N	<200	1,000	N	70	N	70
84SJ091	70	700	N	N	N	50	20	N	<10	N	<200	700	N	50	N	70

TABLE 5.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO
84SJ092	18 21 41	64 49 16	20	1.5	30	1.5	7,000	1	700	N	20	500	<2	N	N	20
84SJ093	18 21 43	64 49 31	15	5	20	1.5	2,000	N	N	N	<20	700	N	N	N	20
84SJ094	18 22 9	64 48 25	30	2	5	1.5	3,000	N	N	N	50	700	<2	N	N	100
84SJ095	18 21 55	64 48 12	20	3	7	2	3,000	N	N	N	20	700	N	N	N	50
84SJ096	18 22 18	64 45 26	20	5	7	.2	7,000	N	N	N	N	300	N	N	N	30
84SJ097	18 22 13	64 44 55	10	3	20	2	5,000	N	N	N	N	150	N	N	N	20
84SJ098	18 22 21	64 44 20	20	5	10	.2	7,000	N	N	N	20	150	N	N	N	50
84SJ099	18 22 3	64 43 5	15	3	30	.2	5,000	N	N	N	20	200	N	N	N	30
84SJ100	18 21 44	64 42 32	15	3	20	1.5	7,000	N	N	N	30	100	N	N	N	20
84SJ101	18 20 58	64 41 11	20	5	15	.2	5,000	N	N	N	20	<50	N	N	N	30
84SJ102	18 20 49	64 41 27	15	3	15	1	2,000	N	N	N	20	<50	N	N	N	150
84SJ103	18 20 18	64 40 6	30	3	3	2	1,500	N	N	N	20	300	2	N	N	100
84SJ104	18 20 44	64 40 10	20	3	7	2	2,000	N	N	N	20	500	<2	N	N	200
84SJ105	18 21 48	64 41 43	15	7	15	2	5,000	N	N	N	70	70	N	N	N	70
84SJ106	18 18 59	64 43 15	15	2	15	1	1,500	N	N	N	50	70	N	N	N	15
84SJ107	18 18 40	64 42 36	15	1.5	20	1	1,500	N	N	N	50	100	N	N	N	10
84SJ108	18 18 22	64 42 13	15	2	15	.7	2,000	N	N	N	50	50	N	N	N	20
84SJ109	18 19 8	64 41 21	20	.5	7	.2	1,500	N	N	N	50	<50	N	N	N	15
84SJ110	18 19 43	64 39 5	30	.5	15	.2	5,000	N	N	N	20	<50	N	N	N	70
84SJ200	18 20 46	64 44 59	15	1.5	15	.7	1,500	N	N	N	50	70	N	N	N	30
84SJ201	18 20 47	64 44 56	10	.5	20	.7	2,000	N	N	N	70	70	N	N	N	<10
84SJ202	18 20 40	64 44 52	10	.7	20	.5	2,000	N	N	N	70	100	<2	N	N	<10
84SJ203	18 20 35	64 44 59	15	2	20	.7	2,000	N	N	N	50	100	N	N	N	15
84SJ205	18 20 22	64 44 48	15	1	15	1	2,000	N	N	N	50	100	N	N	N	15
84SJ206	18 20 14	64 44 52	15	1	15	1.5	2,000	N	N	N	70	100	N	N	N	20
84SJ207	18 19 38	64 44 56	15	1.5	15	1	2,000	N	N	N	70	<50	N	N	N	15

TABLE 5.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
84SJ092	70	500	N	N	N	30	1,500	N	<10	100	700	700	N	50	3,000	150
84SJ093	70	200	<50	N	N	30	70	N	10	N	5,000	700	N	30	N	100
84SJ094	50	1,500	<50	N	N	30	500	N	<10	N	300	700	N	50	<500	50
84SJ095	50	700	N	N	N	50	50	N	10	N	700	1,000	N	50	N	200
84SJ096	100	500	<50	N	N	30	20	N	15	N	200	1,000	N	50	N	100
84SJ097	70	100	<50	N	N	20	<20	N	<10	N	300	700	N	50	N	150
84SJ098	70	200	50	N	N	20	<20	N	15	N	200	500	N	70	N	150
84SJ099	150	150	N	N	N	50	<20	N	<10	N	<200	700	N	70	N	200
84SJ100	70	100	<50	N	N	50	20	N	<10	N	300	1,000	N	70	N	100
84SJ101	700	150	N	N	N	50	20	N	10	N	500	1,000	N	70	N	70
84SJ102	500	700	N	N	N	50	50	N	<10	N	700	1,500	N	50	N	70
84SJ103	200	500	N	N	N	50	<20	N	10	N	N	700	N	100	N	100
84SJ104	200	1,000	<50	N	N	70	20	N	<10	N	500	700	N	70	N	100
84SJ105	500	100	N	N	N	50	<20	N	15	N	N	1,000	N	50	N	100
84SJ106	1,000	70	N	N	N	30	20	N	<10	N	1,000	1,000	N	50	N	100
84SJ107	20	70	N	N	N	20	20	N	15	N	1,000	1,000	N	50	N	100
84SJ108	100	150	N	N	N	50	20	N	<10	N	500	1,000	N	50	N	70
84SJ109	100	150	<50	N	N	15	30	N	10	N	1,000	700	N	100	N	200
84SJ110	20	50	N	N	N	20	30	N	20	N	1,500	1,000	N	100	N	70
84SJ200	150	150	<50	N	N	20	70	N	10	N	1,500	1,500	N	70	N	70
84SJ201	50	50	N	N	N	20	50	N	10	N	1,500	700	N	70	N	70
84SJ202	50	30	N	N	N	15	50	N	10	N	1,500	700	N	70	N	100
84SJ203	150	70	N	N	N	20	30	N	20	N	1,500	1,500	N	50	N	100
84SJ205	700	70	<50	N	N	30	50	N	10	N	2,000	500	N	70	N	150
84SJ206	100	70	N	N	N	20	30	N	<10	N	1,500	1,000	N	50	N	150
84SJ207	150	70	N	N	N	30	<20	N	10	N	1,500	700	N	50	N	70

TABLE 6.--Analytical results for the nonmagnetic fraction of the panned concentrates from stream-sediment samples on St. Thomas and St. John, U.S. Virgin Islands

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

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO
83ST001	18 20 46	64 53 14	5	.3	7	.50	700	N	N	N	70	500	N	N	N	10
83ST001S	18 20 46	64 53 14	2	.3	5	.50	700	N	N	N	70	500	<2	N	N	<10
83ST002	18 20 48	64 52 44	1	.2	10	>2.00	300	7	N	N	100	>10,000	N	N	N	N
83ST002S	18 20 48	64 52 44	1.5	.5	7	>2.00	700	N	N	N	150	1,000	N	N	N	<10
83ST003	18 20 23	64 51 58	1.5	.2	10	.30	700	N	N	N	100	150	N	N	N	N
83ST003S	18 20 23	64 51 58	1.5	.3	10	.30	700	N	N	N	70	200	N	N	N	N
83ST004S	18 19 15	64 50 24	3	.7	7	.20	700	N	N	N	50	700	N	N	N	<10
83ST005S	18 19 36	64 50 13	5	.5	7	.50	700	N	N	N	20	70	N	100	N	15
83ST006S	18 19 2	64 49 40	1.5	.3	5	.15	500	N	N	N	30	100	N	N	N	15
83ST007S	18 18 41	64 49 41	2	.3	7	2.00	1,000	N	N	N	50	150	<2	N	N	10
83ST008S	18 17 52	64 49 2	1	.07	.2	>2.00	20	N	N	N	30	100	N	N	N	<10
83ST009S	18 18 0	64 49 25	1.5	.7	.7	>2.00	300	N	N	N	20	300	N	N	N	10
83ST010S	18 18 6	64 49 34	1.5	.15	<.1	>2.00	70	<1	N	N	N	150	N	N	N	10
83ST011S	18 18 10	64 49 44	1.5	.3	.15	>2.00	300	N	N	N	N	200	N	N	N	<10
83ST013S	18 18 33	64 51 52	2	.2	<.1	>2.00	700	N	N	N	30	>10,000	N	N	N	15
83ST014S	18 18 26	64 52 14	1.5	.1	.15	>2.00	200	<1	N	N	<20	>10,000	N	N	N	15
83ST015S	18 18 24	64 52 28	5	.5	10	.70	1,500	N	N	N	20	150	N	N	N	<10
83ST016S	18 19 47	64 56 42	3	.5	7	.20	700	N	N	N	70	1,500	N	N	N	<10
83ST018S	18 19 19	64 57 7	2	.3	50	2.00	1,000	N	N	N	N	300	N	N	N	15
83ST021S	18 18 27	65 0 6	3	.2	.2	2.00	700	7	<500	N	<20	300	N	1,000	N	15
83ST022S	18 21 15	64 59 39	1.5	.5	10	.20	700	2	N	N	50	70	N	<20	N	10
83ST023S	18 20 47	64 58 36	3	.5	7	.70	700	<1	N	N	50	>10,000	N	N	N	<10
83ST024S	18 20 21	64 50 42	.7	.2	7	>2.00	500	30	N	N	<20	200	N	N	N	20
83ST025S	18 21 17	64 52 54	2	.3	5	2.00	700	N	N	N	50	500	N	N	N	10
83ST026	18 21 22	64 53 21	1	.3	7	>2.00	500	N	N	N	200	700	N	N	N	15
83ST027S	18 21 52	64 53 35	5	.7	7	.20	1,500	N	N	N	50	500	N	N	N	15
83ST029S	18 24 7	64 54 45	2	.5	7	.50	1,500	N	N	N	30	70	N	N	N	15
83ST030S	18 24 35	64 54 29	3	.5	5	.30	1,500	N	N	N	30	200	N	N	N	10
83ST031S	18 22 1	64 54 24	1.5	.3	15	1.00	700	<1	N	N	70	10,000	N	N	N	10
83ST032	18 22 37	64 55 41	1.5	.5	1.5	1.00	500	N	N	N	100	3,000	<2	N	N	10
83ST033	18 22 1	64 55 15	1.5	.7	20	2.00	700	N	N	N	70	3,000	<2	N	N	10
83ST034	18 21 34	64 55 39	.7	.3	50	.70	300	N	N	N	70	200	N	N	N	N
83ST035	18 21 49	64 56 14	2	.5	15	.50	1,000	N	N	N	70	>10,000	N	<20	N	<10
83ST036	18 22 28	64 56 57	7	.2	15	.50	1,500	N	N	N	70	300	N	N	N	15
83ST037	18 22 12	64 58 5	2	.5	3	1.00	1,000	N	N	N	50	300	N	N	N	15
83ST038	18 23 0	64 58 8	1.5	.5	15	.05	700	N	N	N	70	<50	N	N	N	<10
83ST039	18 23 14	64 58 21	2	.5	10	.15	700	N	N	N	70	700	N	N	N	<10
83ST040	18 23 41	64 58 8	1.5	.5	15	1.50	1,000	N	N	N	70	700	<2	N	N	10
83ST041	18 24 5	64 58 30	1.5	.3	20	.30	1,500	N	N	N	100	100	<2	N	N	10
83ST042	18 22 24	64 58 32	<.1	.07	50	.02	30	N	N	N	<20	50	N	N	N	N
83ST043	18 22 21	64 59 0	2	.3	10	.50	1,000	N	N	N	50	5,000	N	<20	N	15
83ST044S	18 22 24	64 59 27	1.5	.3	5	.30	1,000	N	N	N	50	300	N	N	N	10
83ST045S	18 20 4	64 56 15	1.5	.15	.7	2.00	1,500	N	N	N	30	150	N	N	N	10
83ST046	18 19 42	64 56 7	1.5	.2	10	.50	300	N	N	N	50	5,000	N	N	N	<10
83ST047S	18 16 44	64 53 46	.7	.15	2	1.50	200	N	N	N	20	150	N	N	N	<10



TABLE 6.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
83ST001	20	200	<50	50	N	10	200	N	50	100	1,000	200	N	30	N	70
83ST001S	20	70	50	500	N	15	1,500	N	15	20	700	100	N	50	N	2,000
83ST002	50	1,500	50	10	N	<10	1,000	N	15	200	1,000	300	N	100	N	1,500
83ST002S	70	100	50	N	N	10	50	N	30	N	700	500	N	100	N	1,500
83ST003	20	30	N	N	N	<10	30	N	10	N	700	100	N	<20	N	30
83ST003S	<20	30	<50	N	N	<10	50	N	<10	N	700	70	N	<20	N	30
83ST004S	20	50	N	N	N	10	50	N	20	N	700	200	N	<20	N	300
83ST005S	50	70	N	N	N	10	20	N	30	2,000	700	300	N	20	N	30
83ST006S	700	30	N	15	N	50	100	N	15	30	<200	70	N	N	N	200
83ST007S	20	50	<50	N	N	10	100	N	30	N	700	500	N	50	N	150
83ST008S	20	15	50	<10	<50	<10	100	N	50	30	1,000	70	N	200	N	500
83ST009S	<20	30	<50	N	<50	<10	70	N	50	N	N	100	N	200	N	2,000
83ST010S	<20	N	N	N	<50	<10	30	N	100	N	N	20	N	300	N	300
83ST011S	30	<10	50	<10	N	10	70	N	30	N	N	70	N	200	N	100
83ST013S	N	500	<50	20	N	<10	100	N	<10	N	2,000	100	N	150	N	2,000
83ST014S	100	50	N	N	N	20	<20	N	50	N	700	300	N	200	N	300
83ST015S	30	50	N	N	N	15	20	N	20	N	1,000	500	N	30	N	50
83ST016S	<20	50	N	N	N	10	20	N	15	N	700	200	N	20	N	50
83ST018S	<20	30	150	N	N	10	100	N	15	N	1,000	100	N	200	N	100
83ST021S	20	30	<50	N	N	20	250,000	1,000	15	N	N	30	N	50	N	300
83ST022S	70	30	N	N	N	15	3,000	N	10	20	2,000	150	N	<20	N	100
83ST023S	50	70	<50	N	N	20	700	N	30	N	1,500	500	N	<20	N	<20
83ST024S	<20	70	N	70	N	<10	250,000	500	<10	N	N	200	<100	50	N	50
83ST025S	30	50	N	N	N	10	2,000	N	20	N	700	300	N	30	N	500
83ST026	100	30	<50	<10	N	<10	100	N	30	30	700	300	N	100	N	1,500
83ST027S	20	30	<50	N	N	10	70	N	15	N	1,500	300	N	<20	N	70
83ST029S	1,000	30	<50	N	N	70	<20	N	30	1,000	700	200	N	N	N	200
83ST030S	150	70	<50	N	N	10	30	N	20	N	1,000	300	N	<20	N	150
83ST031S	20	300	50	N	N	10	300	<200	15	1,500	2,000	300	N	50	N	500
83ST032	70	50	<50	N	N	10	100	N	15	N	700	200	N	20	N	100
83ST033	150	500	50	<10	N	15	70	N	15	N	1,500	300	N	70	N	500
83ST034	<20	10	N	N	N	<10	300	N	<10	300	5,000	70	N	<20	N	20
83ST035	20	100	<50	N	N	<10	5,000	<200	10	2,000	1,500	150	N	20	N	300
83ST036	100	70	N	N	N	20	30	N	50	20	1,000	500	N	<20	N	20
83ST037	N	70	N	N	N	15	20	N	15	200	500	200	N	N	N	30
83ST038	<20	15	N	N	N	10	<20	N	<10	N	700	70	N	N	N	<20
83ST039	<20	20	N	N	N	10	30	N	10	N	1,000	100	N	N	N	20
83ST040	N	50	<50	N	N	10	20	N	20	N	500	300	N	50	N	70
83ST041	N	30	<50	N	N	10	20	N	20	N	<200	500	N	<20	N	30
83ST042	N	N	N	N	N	<10	150	N	N	N	3,000	20	N	N	N	<20
83ST043	<20	70	<50	100	N	10	10,000	N	15	2,000	1,500	200	N	30	N	500
83ST044S	20	50	<50	N	N	10	20	N	15	N	1,000	300	N	<20	N	<20
83ST045S	<20	<10	N	N	N	10	150	N	15	150	200	700	N	<20	N	100
83ST046	20	1,000	N	N	N	15	70	N	<10	20	1,000	200	N	<20	N	30
83ST047S	20	2,000	N	N	N	<10	<20	N	10	N	500	100	N	100	N	2,000

TABLE 6.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CU
83ST048	18 18 39	64 53 4	1.5	.7	2	.2	700	15	N	N	70	<50	N	>2,000	N	10
83ST049S	18 18 58	64 53 28	1	.2	.15	.2	150	2	N	N	N	<50	N	30	N	10
83ST050	18 19 38	64 55 18	1.5	.3	15	2	500	1.5	N	N	50	3,000	N	<20	N	N
83ST051	18 19 37	64 56 58	1.5	.15	3	.2	700	N	N	N	50	70	N	N	N	10
83ST052	18 19 48	64 57 31	1.5	.2	.15	.2	100	1	N	N	N	50	N	N	N	15
83ST054	18 19 55	64 58 21	2	.2	.5	.2	100	5	N	N	20	>10,000	N	50	N	N
83ST055	18 21 0	64 59 10	1.5	.3	20	.7	1,000	5	N	N	30	1,000	N	<20	N	10
83ST056	18 20 54	65 1 54	5	.7	7	.15	1,000	N	N	N	30	50	N	N	N	15
83ST057	18 21 16	65 2 6	5	.5	7	.5	1,500	N	N	N	50	100	N	N	N	10
83ST058	18 20 40	65 4 47	1.5	.3	15	.05	1,000	N	N	N	50	150	N	N	N	<10
83ST059	18 20 23	65 5 6	2	.5	5	.3	700	N	N	N	<20	200	N	N	N	<10
83ST060	18 21 42	65 2 49	2	.3	7	.2	1,000	N	N	N	30	10,000	N	N	N	<10
83ST061	18 21 43	65 3 9	3	.3	7	.5	2,000	N	N	N	20	500	N	N	N	<10
83ST062S	18 22 52	65 3 40	2	.3	10	.3	1,500	N	N	N	50	5,000	<2	N	N	<10
83ST063S	18 24 20	65 3 36	5	.5	10	.3	1,000	N	N	N	20	100	N	N	N	<10
83ST065	18 21 46	64 59 37	2	.3	7	.15	1,000	N	N	N	50	700	N	N	N	<10
83ST067	18 19 41	64 51 14	1.5	.2	.2	.2	300	N	N	N	50	70	N	N	N	10
83ST068	18 19 59	64 51 14	1.5	.15	.3	.2	300	N	N	N	150	300	<2	N	N	<10
83ST069	18 19 36	64 51 40	1.5	.2	.7	.2	300	N	N	N	100	200	<2	N	N	<10
83ST070	18 19 40	64 52 23	1.5	.2	1.5	.2	500	<1	N	N	70	150	<2	N	N	<10
83ST071	18 19 42	64 52 25	1.5	.2	7	1	700	N	N	N	50	10,000	N	N	N	N
83ST072	18 19 19	64 53 29	1.5	.3	1.5	.2	500	N	N	N	<20	1,500	N	N	N	N
83ST073	18 19 27	64 53 28	1.5	.3	2	.2	700	N	N	N	<20	100	N	N	N	N
83ST074	18 20 5	64 53 3	1.5	.3	20	.15	700	N	N	N	30	300	N	N	N	N
83ST075	18 19 44	64 53 0	2	.2	5	1	1,000	N	N	N	20	<50	N	N	N	<10
83ST076	18 19 34	64 54 35	2	.3	7	2	1,000	N	N	N	20	1,000	<2	N	N	<10
83ST077	18 19 12	64 54 42	1.5	.5	10	.2	300	N	N	N	N	<50	N	N	N	<10
83ST078	18 19 11	64 53 59	5	.7	7	.7	1,000	N	N	N	<20	150	N	N	N	10
83ST079	18 19 30	64 54 16	2	.15	10	.7	2,000	N	N	N	<20	2,000	N	N	N	<10
83ST080	18 20 13	64 54 30	2	.3	15	2	1,000	N	N	N	70	3,000	N	N	N	N
83ST081	18 20 18	64 54 24	5	.5	10	.5	1,500	N	N	N	70	200	N	N	N	10
83ST082	18 20 12	64 54 12	3	.3	7	.5	1,500	N	N	N	70	50	<2	N	N	<10
83ST083	18 20 15	64 53 30	5	.3	15	.5	1,500	N	N	N	70	70	N	N	N	10
83ST085	18 21 32	64 54 30	5	.7	10	.3	1,500	N	N	N	50	700	N	N	N	10
83ST086	18 21 17	64 55 16	1.5	.15	2	.2	700	N	N	N	30	300	N	N	N	<10
83ST087	18 21 43	64 56 31	5	.3	7	.5	1,500	N	N	N	30	300	<2	N	N	<10
83ST088	18 22 11	64 57 8	1.5	.3	7	.1	700	N	N	N	50	1,000	N	N	N	N
83ST089	18 22 9	64 57 38	3	.3	7	.15	1,500	N	N	N	50	700	N	N	N	15
83ST090	18 21 52	64 58 35	5	.3	5	.3	1,000	N	N	N	50	700	N	N	N	15
83ST091	18 21 39	65 0 55	5	.7	5	.3	1,000	N	N	N	50	150	N	N	N	15
83ST092	18 21 32	65 1 5	5	.5	7	.7	1,000	N	N	N	100	150	N	N	N	15
83ST093	18 21 4	65 1 22	5	.5	7	.15	1,500	N	N	N	30	50	N	N	N	15
83ST094	18 20 45	65 1 22	3	.5	7	.15	700	N	N	N	30	1,500	N	N	N	10
83ST095S	18 21 15	65 0 10	1.5	.5	7	.1	1,000	7	N	N	20	50	N	N	N	N
83ST096	18 21 28	65 1 55	5	.5	7	.2	1,500	N	N	N	20	100	N	N	N	<10

TABLE 6.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-U	S-W	S-Y	S-ZN	S-ZR
83ST048	100	700	N	N	N	10	300	N	50	N	N	300	N	150	N	700
83ST049S	50	30	<50	<10	N	10	150	N	100	70	N	50	N	300	N	500
83ST050	50	100	<50	N	N	10	10,000	<200	10	1,000	1,500	100	N	150	N	150
83ST051	<20	<10	50	N	N	10	300	N	50	20	200	70	N	100	N	500
83ST052	N	<10	<50	N	N	<10	150	N	150	50	N	50	N	150	N	700
83ST054	20	150	50	N	N	10	7,000	1,000	50	70	<200	150	N	50	N	100
83ST055	50	3,000	<50	N	N	15	>50,000	300	10	2,000	1,500	200	N	50	N	70
83ST056	20	50	N	N	N	10	3,000	N	15	30	500	300	N	N	N	<20
83ST057	N	30	N	N	N	10	300	N	15	N	1,000	300	N	<20	N	30
83ST058	<20	10	N	N	N	<10	50	N	<10	N	1,000	70	N	N	N	20
83ST059	50	30	N	N	N	10	50	N	10	N	500	150	N	N	N	70
83ST060	30	30	N	N	N	<10	5,000	N	10	N	700	100	N	20	N	700
83ST061	20	15	N	N	N	10	70	N	10	N	700	70	N	30	N	200
83ST062S	20	1,000	N	N	N	10	2,000	N	10	N	1,000	70	N	N	N	70
83ST063S	50	30	N	N	N	10	30	N	50	N	1,000	300	N	20	N	50
83ST065	20	200	N	N	N	10	70	N	10	1,000	1,000	200	N	N	N	<20
83ST067	30	<10	N	N	N	10	50	N	10	70	N	70	N	70	N	200
83ST068	20	10	N	N	N	10	300	N	20	N	300	70	N	100	N	500
83ST069	20	20	N	N	N	10	700	N	30	300	200	100	N	150	N	1,500
83ST070	<20	15	<50	N	N	10	3,000	N	30	N	200	70	N	150	N	100
83ST071	<20	1,500	N	N	N	<10	100	N	15	150	2,000	100	N	20	N	150
83ST072	20	20	N	N	N	10	500	N	20	N	<200	70	N	N	N	200
83ST073	30	20	N	N	50	10	100	N	20	700	N	150	N	100	N	500
83ST074	<20	30	N	N	N	10	150	N	10	N	2,000	100	N	N	N	<20
83ST075	<20	50	N	N	N	10	50	N	15	N	500	50	N	20	N	150
83ST076	20	15	N	N	N	10	200	N	15	200	700	70	N	70	N	200
83ST077	70	15	<50	N	N	10	70	N	20	N	1,000	200	N	70	N	70
83ST078	150	200	<50	N	N	15	700	N	20	N	700	500	N	50	N	70
83ST079	30	70	N	N	N	10	30	N	15	N	700	100	N	50	N	100
83ST080	30	3,000	N	N	N	<10	50,000	N	10	700	3,000	70	N	70	N	>2,000
83ST081	20	50	N	N	N	10	150	N	20	70	1,000	200	N	20	N	50
83ST082	<20	50	<50	N	N	10	150	N	30	N	700	300	N	20	N	70
83ST083	<20	50	<50	N	N	10	70	N	20	N	700	500	N	30	N	50
83ST085	50	50	<50	N	N	10	70	N	20	N	1,000	300	N	20	N	50
83ST086	20	20	N	N	N	10	20	N	10	N	500	150	N	<20	N	150
83ST087	<20	50	<50	N	N	10	1,000	N	15	1,000	1,000	300	N	20	N	50
83ST088	<20	200	N	N	N	10	300	N	<10	100	1,000	70	N	N	N	<20
83ST089	20	50	<50	N	N	10	100	N	15	N	1,000	500	N	<20	N	20
83ST090	<20	50	<50	N	N	10	20	N	20	N	1,000	300	N	<20	N	30
83ST091	20	70	N	N	N	10	20	N	20	150	700	300	N	<20	N	20
83ST092	<20	50	50	N	N	10	20	N	20	N	1,000	300	N	50	N	500
83ST093	N	70	N	N	N	15	<20	N	15	N	300	500	N	N	N	<20
83ST094	N	70	N	N	N	10	<20	N	10	700	1,000	500	N	N	N	20
83ST095S	<20	30	<50	N	N	10	N	N	10	N	1,000	300	N	N	N	<20
83ST096	<20	50	<50	N	N	10	30	N	15	700	1,500	150	N	20	N	30

TABLE 6.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-RE	S-BI	S-CD	S-CO
83ST097	18 20 44	64 56 55	3	.5	15	.2	1,000	2	N	N	50	200	N	N	N	N
83ST098	18 20 49	64 57 8	5	.7	15	.3	1,500	N	N	N	70	70	N	N	N	10
83ST099	18 20 58	64 57 46	2	.5	20	.1	1,000	N	N	N	70	300	N	N	N	<10
83ST102S	18 18 28	64 50 0	2	2.	3	2.	700	N	N	N	20	100	N	N	N	10
83ST103S	18 18 57	64 49 55	5	.5	3	2.	1,000	N	N	N	20	100	N	N	N	10
83ST104S	18 21 33	64 50 21	3	.7	15	.7	1,000	N	N	N	20	10,000	N	N	N	<10
83ST105S	18 21 44	64 49 32	5	1.	20	.7	1,500	N	N	N	20	300	N	N	N	<10
83ST106S	18 21 43	64 49 42	2	.3	10	>2.	1,000	N	N	N	20	200	N	N	N	10
83ST108S	18 21 50	64 52 12	3	1.	3	.7	1,000	N	N	N	<20	300	N	N	N	10
83ST109S	18 21 34	64 51 46	3	.7	10	1.	700	N	N	N	70	>10,000	<2	N	N	10
83ST110S	18 20 48	64 51 45	7	.5	20	.7	2,000	N	N	N	50	300	<2	N	N	10
83ST111S	18 19 52	64 50 47	1.5	.3	3	.5	1,000	N	N	N	30	>10,000	N	N	N	<10
84SJ001	18 20 27	64 47 22	7	.5	10	.7	1,500	N	N	N	70	500	<2	N	N	<10
84SJ002	18 20 29	64 47 6	10	1.5	15	.7	2,000	N	N	N	70	200	<2	N	N	15
84SJ003	18 20 49	64 46 51	7	.5	15	.5	2,000	N	N	N	70	200	N	N	N	20
84SJ004	18 20 53	64 46 36	10	3.	15	.5	2,000	N	N	N	70	200	N	N	N	20
84SJ005	18 21 8	64 46 30	10	1.5	15	.7	2,000	N	N	N	50	300	N	N	N	15
84SJ006	18 21 12	64 46 5	7	2.	10	.5	2,000	N	N	N	70	200	N	N	N	15
84SJ007	18 21 12	64 45 49	10	3.	15	.5	2,000	N	N	N	70	200	N	N	N	20
84SJ008	18 21 12	64 45 21	10	2.	15	.7	2,000	N	N	N	70	300	N	N	N	15
84SJ009	18 21 16	64 45 9	7	1.	15	2.	1,500	N	N	N	700	500	<2	N	N	<10
84SJ010	18 21 57	64 44 29	3	1.	15	>2.	1,500	N	N	N	50	>10,000	N	N	N	10
84SJ011	18 21 57	64 44 17	2	.7	15	>2.	1,500	1.5	N	N	200	>10,000	N	300	N	<10
84SJ012	18 21 54	64 43 40	1	.3	10	>2.	1,500	N	N	N	N	2,000	N	N	N	N
84SJ013	18 21 38	64 44 6	3	.5	15	>2.	1,000	150	N	N	20	5,000	N	200	N	15
84SJ014	18 21 28	64 44 22	1.5	.7	7	>2.	1,000	1.5	N	N	N	>10,000	N	N	N	<10
84SJ015	18 21 50	64 43 6	2	1.	15	>2.	1,500	1.5	N	N	50	1,500	N	<20	N	<10
84SJ016	18 21 27	64 43 42	1.5	.5	5	.3	700	N	N	N	20	300	N	N	N	N
84SJ017	18 21 15	64 43 2	1.5	.5	2	>2.	1,500	<1	N	N	N	700	N	N	N	10
84SJ018	18 21 7	64 42 48	2	.5	7	>2.	1,000	N	N	N	20	2,000	N	N	N	N
84SJ019	18 21 20	64 42 22	1.5	.5	5	>2.	1,000	N	N	N	N	>10,000	N	N	N	N
84SJ020	18 21 30	64 42 4	1.5	.3	3	>2.	700	N	N	N	20	2,000	<2	N	N	N
84SJ021	18 21 4	64 43 24	5	.5	15	>2.	2,000	N	N	N	50	500	N	N	N	N
84SJ022	18 20 57	64 43 29	10	.7	7	>2.	2,000	N	N	N	70	300	<2	N	N	<10
84SJ023	18 20 55	64 43 27	5	.7	7	2.	2,000	N	N	N	70	10,000	<2	N	N	10
84SJ024	18 20 32	64 42 55	3	.7	5	2.	1,500	10	N	N	100	7,000	<2	70	N	10
84SJ025	18 20 42	64 43 5	7	.7	7	1.5	1,500	N	N	N	100	>10,000	N	N	N	<10
84SJ026	18 21 29	64 41 45	15	1.5	10	>2.	2,000	N	N	N	70	5,000	N	N	N	15
84SJ027	18 21 33	64 41 27	1.5	.2	.7	.7	500	N	N	N	N	500	N	N	N	N
84SJ028	18 21 9	64 40 59	1.5	.3	3	>2.	1,000	N	N	N	N	700	N	N	N	N
84SJ029	18 20 20	64 40 23	3	.7	7	>2.	1,500	N	N	N	N	2,000	N	N	N	N
84SJ030	18 20 33	64 40 26	15	.5	10	2.	5,000	N	N	N	N	150	N	N	N	70
84SJ031	18 20 43	64 40 27	10	1.	3	1.5	3,000	N	N	N	50	300	N	N	N	50
84SJ032	18 20 17	64 42 49	2	.7	5	>2.	1,500	5	N	N	20	10,000	N	30	N	N
84SJ033	18 20 3	64 42 31	2	.7	3	>2.	700	3	N	N	20	>10,000	N	N	N	N



TABLE 6.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
83ST097	N	700	<50	N	N	10	30,000	200	10	1,000	1,000	150	N	<20	N	200
83ST098	<20	300	N	N	N	10	300	N	15	20	1,500	500	N	<20	N	20
83ST099	<20	50	N	N	N	<10	3,000	N	10	N	3,000	150	N	N	N	<20
83ST102S	500	50	N	N	N	30	70	N	30	N	<200	200	N	30	N	70
83ST103S	50	50	N	N	N	15	10,000	N	20	1,000	500	200	N	50	N	300
83ST104S	20	70	<50	N	N	15	100	N	15	N	1,000	200	N	50	N	300
83ST105S	30	50	<50	30	N	15	500	N	15	N	1,500	300	N	50	N	70
83ST106S	<20	20	50	15	N	<10	20	N	N	<20	<200	700	N	200	N	1,500
83ST108S	30	50	<50	N	N	<10	20	N	10	N	700	150	N	<20	N	2,000
83ST109S	20	70	<50	N	N	10	30	N	15	N	700	200	N	70	N	1,500
83ST110S	30	50	<50	N	N	15	20	N	15	N	300	300	N	50	N	70
83ST111S	N	70	N	N	N	15	50	N	10	N	1,500	150	N	<20	N	50
84SJ001	50	70	<50	N	N	10	50	N	<10	N	1,500	700	N	50	N	700
84SJ002	70	100	<50	N	N	20	100	N	10	N	2,000	1,000	N	50	N	150
84SJ003	700	3,000	N	N	N	50	700	N	<10	1,000	1,500	700	N	30	N	70
84SJ004	200	70	N	N	N	30	30	N	10	200	1,500	1,000	N	50	N	70
84SJ005	100	100	N	N	N	20	20	N	15	70	1,000	1,000	N	50	N	150
84SJ006	70	100	<50	N	N	20	70	N	<10	N	1,000	700	N	50	N	100
84SJ007	150	100	N	N	N	30	<20	N	10	N	1,000	1,000	N	30	N	70
84SJ008	200	70	N	N	N	30	30	N	15	N	1,500	1,000	N	50	N	100
84SJ009	50	70	<50	15	N	20	20	N	<10	N	1,500	500	N	100	N	200
84SJ010	50	50	<50	N	N	20	20	N	<10	N	1,500	700	N	70	N	300
84SJ011	30	1,500	<50	N	N	20	15,000	200	<10	>2,000	10,000	300	N	70	N	200
84SJ012	100	20	<50	N	N	<10	100	N	<10	1,000	N	1,000	N	300	N	>2,000
84SJ013	50	5,000	N	N	N	20	>50,000	1,500	<10	>2,000	700	500	N	50	N	1,500
84SJ014	70	1,500	N	N	N	20	2,000	<200	<10	>2,000	500	300	N	70	N	300
84SJ015	200	500	<50	N	N	20	10,000	N	<10	>2,000	300	1,000	N	150	N	700
84SJ016	50	50	N	N	N	10	70	N	N	70	N	200	N	N	N	30
84SJ017	50	70	N	N	N	<10	3,000	N	<10	2,000	N	200	N	70	N	>2,000
84SJ018	50	1,500	N	N	N	<10	100	N	<10	300	<200	300	N	50	N	1,500
84SJ019	50	15	N	N	N	<10	30	N	<10	<20	10,000	300	N	70	N	300
84SJ020	50	150	N	N	N	10	15,000	<200	<10	>2,000	N	300	N	70	N	2,000
84SJ021	50	70	N	N	N	10	500	N	<10	>2,000	300	500	N	50	N	150
84SJ022	150	30	<50	N	N	10	50	N	<10	50	500	500	N	100	N	150
84SJ023	70	50	50	N	N	<10	200	N	<10	1,500	1,000	200	N	50	N	150
84SJ024	70	50,000	<50	N	N	10	20,000	1,000	N	>2,000	1,000	200	N	50	10,000	100
84SJ025	70	300	<50	N	N	10	700	N	<10	300	2,000	300	N	70	N	100
84SJ026	100	7,000	<50	N	N	20	1,000	N	<10	100	700	500	N	100	N	1,000
84SJ027	50	20	<50	N	N	10	30	N	N	N	N	100	N	30	N	100
84SJ028	50	20	N	N	N	10	30	N	N	<20	N	200	N	50	N	1,000
84SJ029	70	15	50	N	N	10	<20	N	N	30	300	500	N	300	N	150
84SJ030	300	200	<50	N	N	70	<20	N	7	N	700	1,000	N	70	N	70
84SJ031	150	100	<50	N	N	30	100	N	<10	N	200	500	N	50	5,000	100
84SJ032	70	300	N	N	N	15	>50,000	300	<10	>2,000	1,000	200	N	70	N	700
84SJ033	70	10,000	<50	N	N	10	7,000	N	<10	>2,000	1,000	200	N	500	N	100

TABLE 6.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO
84SJ034	18 19 44	64 42 14	.7	.2	.2	2	150	N	N	N	70	300	N	N	N	N
84SJ035	18 19 19	64 42 5	2	.7	.3	7	700	N	N	N	N	300	2	N	N	N
84SJ036	18 19 10	64 42 23	2	.7	.5	3	1,000	N	N	N	N	70	N	N	N	N
84SJ037	18 19 3	64 42 45	3	.3	2	2	1,000	N	N	N	70	50	N	N	N	N
84SJ038	18 19 15	64 43 9	7	.7	15	2	2,000	N	N	N	30	150	2	100	N	10
84SJ039	18 19 46	64 43 4	5	.5	15	.5	2,000	N	N	N	50	100	2	N	N	N
84SJ040	18 19 50	64 43 5	7	1	15	2	3,000	N	N	N	30	10,000	N	N	N	N
84SJ041	18 19 49	64 43 11	7	.7	10	1	2,000	N	N	N	50	10,000	2	N	N	N
84SJ042	18 19 39	64 43 20	7	.7	10	2	2,000	N	N	N	50	5,000	2	N	N	N
84SJ043	18 19 32	64 43 18	7	.7	10	2	3,000	N	N	N	30	150	2	N	N	N
84SJ044	18 19 24	64 44 4	10	.5	7	2	1,500	3	N	N	70	300	N	N	N	10
84SJ045	18 19 24	64 43 50	5	.3	10	1	1,500	2	N	N	50	300	2	N	N	N
84SJ046	18 19 26	64 43 44	7	.7	10	2	1,500	N	N	N	50	200	2	N	N	N
84SJ048	18 19 39	64 45 57	2	.7	7	.2	700	N	N	N	20	150	N	N	N	10
84SJ049	18 19 44	64 45 48	7	1	15	1	2,000	N	N	N	100	300	N	N	N	15
84SJ050	18 19 35	64 45 30	10	1	15	.7	2,000	N	N	N	100	300	N	N	N	15
84SJ051	18 19 29	64 45 27	10	.7	7	2	1,500	N	N	N	70	7,000	2	N	N	10
84SJ053	18 20 27	64 45 32	7	1.5	15	.7	1,500	700	N	N	70	500	N	N	N	10
84SJ054	18 20 29	64 45 34	3	1	7	1	1,000	5	N	N	50	300	N	300	N	15
84SJ055	18 20 19	64 45 36	7	1	15	.7	2,000	N	N	N	70	300	N	N	N	15
84SJ056	18 20 21	64 45 41	7	.7	10	.3	1,500	N	N	N	70	300	N	N	N	10
84SJ057	18 20 7	64 45 42	5	.5	10	.3	1,500	N	N	N	100	500	N	N	N	10
84SJ058	18 20 4	64 45 51	7	1	15	.7	2,000	N	N	N	50	300	N	N	N	15
84SJ059	18 19 22	64 46 48	5	1.5	15	2	1,500	N	N	N	70	5,000	N	N	N	10
84SJ070	18 20 39	64 46 18	3	.7	10	.3	1,500	N	N	N	70	500	N	N	N	10
84SJ071	18 20 32	64 46 7	10	1.5	15	.5	2,000	N	N	N	50	200	N	N	N	20
84SJ072	18 20 43	64 45 40	5	.7	10	1.5	1,000	N	N	N	70	700	N	100	N	10
84SJ073	18 20 20	64 46 22	5	.7	20	2	1,000	N	N	N	70	300	N	20	N	10
84SJ074	18 20 9	64 46 13	3	.5	7	2	1,500	N	N	N	50	70	N	N	N	N
84SJ075	18 20 5	64 46 16	7	.7	10	2	1,500	N	N	N	70	200	N	N	N	N
84SJ076	18 20 4	64 46 37	10	1.5	15	1.5	1,500	N	N	N	70	500	N	100	N	10
84SJ077	18 20 7	64 46 36	5	1.5	15	2	1,500	N	N	N	70	150	N	N	N	N
84SJ078	18 19 47	64 46 40	7	.5	15	.7	1,000	1	N	N	70	200	N	30	N	10
84SJ079	18 20 10	64 47 27	10	1.5	10	1	2,000	N	N	N	200	100	N	N	N	10
84SJ081	18 20 50	64 44 31	3	1	5	2	1,500	N	N	N	50	200	N	N	N	N
84SJ082	18 20 51	64 44 32	7	1	10	2	2,000	10	N	N	20	150	N	70	N	15
84SJ083	18 20 31	64 44 27	10	1.5	15	2	2,000	N	N	N	70	150	N	N	N	15
84SJ084	18 20 28	64 44 30	5	.7	10	.7	2,000	N	N	N	150	150	2	N	N	N
84SJ085	18 20 14	64 44 23	5	.7	10	2	2,000	N	N	N	70	200	2	N	N	N
84SJ086	18 19 58	64 44 23	7	.7	10	2	2,000	1	N	N	50	10,000	2	20	N	N
84SJ087	18 19 44	64 44 27	5	.5	5	2	1,500	N	N	N	50	300	N	N	N	N
84SJ088	18 21 17	64 47 36	10	2	10	2	2,000	N	N	N	30	500	N	N	N	50
84SJ089	18 21 28	64 47 24	1	.2	3	2	500	3	N	N	20	150	N	N	N	N
84SJ090	18 21 45	64 48 31	1.5	1	15	2	2,000	N	N	N	20	300	N	N	N	15
84SJ091	18 21 38	64 49 0	1.5	.5	7	2	1,500	N	N	N	20	500	N	N	N	10

TABLE 6.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-U	S-W	S-Y	S-ZN	S-ZK
84SJ034	100	150	N	N	N	<10	20	N	<10	N	N	500	N	20	N	150
84SJ035	70	50	<50	N	N	<10	<20	N	N	N	N	100	N	<20	N	100
84SJ036	50	20	N	N	N	10	<20	N	N	N	N	70	N	N	N	70
84SJ037	70	<10	N	N	N	<10	20	N	<10	N	N	1,000	N	30	N	1,000
84SJ038	70	700	N	N	N	10	1,000	500	<10	>2,000	1,000	200	N	70	N	150
84SJ039	30	<10	N	N	N	10	20	N	<10	50	1,000	150	N	70	N	100
84SJ040	50	50	<50	N	N	10	100	N	<10	150	1,000	300	N	70	N	150
84SJ041	50	50	<50	N	N	10	200	N	<10	N	1,000	200	N	70	N	100
84SJ042	50	10	<50	N	N	10	50	N	<10	50	500	150	N	100	N	1,000
84SJ043	70	50	70	N	N	10	300	<200	10	>2,000	2,000	200	N	100	N	70
84SJ044	70	15	50	N	N	<10	50	N	<10	<20	700	300	N	100	N	300
84SJ045	70	15	<50	N	N	<10	20	N	<10	N	700	200	N	70	N	100
84SJ046	70	20	<50	N	N	10	50	N	<10	300	700	300	N	100	N	500
84SJ048	100	30	N	N	N	15	<20	N	N	N	N	100	N	N	N	70
84SJ049	200	70	N	N	N	20	50	N	10	700	1,000	700	N	50	N	70
84SJ050	70	150	N	N	N	20	100	N	10	>2,000	1,000	1,000	N	50	N	70
84SJ051	50	200	<50	N	N	10	1,500	N	<10	30	700	300	N	50	N	150
84SJ053	200	150	N	N	N	15	200	N	<10	1,500	700	500	N	70	N	700
84SJ054	150	1,000	<50	N	N	20	50,000	1,000	<10	>2,000	700	500	N	30	N	1,000
84SJ055	50	70	N	N	N	15	100	N	<10	300	1,000	700	N	50	N	70
84SJ056	70	30	N	N	N	10	50	N	<10	50	1,000	300	N	<20	N	70
84SJ057	50	30	N	N	N	<10	30	N	N	N	700	300	N	N	N	70
84SJ058	50	70	N	N	N	10	30	N	<10	N	700	500	N	20	N	100
84SJ059	200	3,000	<50	N	N	15	7,000	N	<10	1,500	1,500	300	N	50	N	300
84SJ070	150	50	N	N	N	<10	20	N	<10	N	1,000	300	N	N	N	1,000
84SJ071	150	50	N	N	N	20	20	N	10	N	1,000	700	N	30	N	70
84SJ072	100	700	N	N	N	<10	1,500	300	<10	>2,000	700	500	N	20	N	2,000
84SJ073	100	70	<50	N	N	10	1,500	N	<10	>2,000	1,500	300	N	50	N	100
84SJ074	100	20	70	N	N	10	20	N	<10	N	2,000	300	N	50	N	200
84SJ075	100	100	<50	N	N	<10	100	N	<10	>2,000	1,000	500	N	50	N	>2,000
84SJ076	100	300	<50	N	N	<10	1,500	N	10	>2,000	1,500	1,500	N	50	N	>2,000
84SJ077	70	50	N	N	N	<10	1,000	N	<10	1,000	1,000	700	N	30	N	1,500
84SJ078	70	5,000	<50	N	N	<10	7,000	500	N	>2,000	1,000	300	N	<20	N	2,000
84SJ079	70	70	N	N	N	10	50	N	<10	30	1,500	700	N	<20	N	1,000
84SJ081	100	15	N	N	N	10	<20	N	N	N	<200	300	N	70	N	700
84SJ082	70	1,500	<50	N	N	10	50,000	N	<10	>2,000	700	300	N	70	N	150
84SJ083	150	1,500	N	N	N	15	70	N	<10	N	1,000	700	N	70	N	300
84SJ084	70	30	<50	N	N	<10	500	N	<10	1,500	700	150	N	50	N	150
84SJ085	50	20	<50	N	N	10	<20	N	<10	N	700	200	N	50	N	100
84SJ086	50	3,000	<50	N	N	10	1,500	300	<10	>2,000	1,000	300	N	70	N	150
84SJ087	20	50	N	N	N	<10	70	N	N	50	500	200	N	50	N	>2,000
84SJ088	150	100	<50	N	N	30	20	N	15	N	1,000	1,500	N	70	N	300
84SJ089	50	<10	N	N	N	<10	<20	N	N	N	N	300	N	N	N	20
84SJ090	30	20	<50	N	N	10	100	N	<10	300	500	1,000	N	300	N	500
84SJ091	50	50	<50	N	N	<10	<20	N	N	N	500	500	N	100	N	500

TABLE 6.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CU
84SJ092	18 21 41	64 49 16	3	1.5	20	2	1,000	10	N	N	20	2,000	N	N	N	N
84SJ093	18 21 43	64 49 31	5	1.5	20	2	2,000	N	N	N	70	300	N	N	N	10
84SJ094	18 22 9	64 48 25	5	15.	15	2	1,500	10	500	N	30	>10,000	N	N	N	N
84SJ095	18 21 55	64 48 12	2	.7	5	.5	700	N	N	N	20	1,000	2	N	N	<10
84SJ096	18 22 16	64 45 26	2	1.	15	>2	1,500	N	N	N	30	1,500	N	N	N	10
84SJ097	18 22 13	64 44 55	7	1.	15	1.5	2,000	N	N	N	500	1,500	2	N	N	10
84SJ098	18 22 21	64 44 20	5	1.	10	>2	1,000	N	N	N	30	700	N	N	N	<10
84SJ099	18 22 3	64 43 5	2	1.5	20	>2	1,500	N	N	N	50	5,000	<2	N	N	N
84SJ100	18 21 44	64 42 32	2	.7	7	>2	1,500	N	N	N	30	500	N	N	N	N
84SJ101	18 20 58	64 41 11	10	5.	15	2	3,000	N	N	N	20	50	N	N	N	20
84SJ102	18 20 49	64 41 27	10	3.	15	>2	3,000	N	N	N	20	70	N	N	N	20
84SJ103	18 20 18	64 40 6	30	5.	7	>2	3,000	N	N	N	50	700	<2	N	N	70
84SJ104	18 20 44	64 40 10	15	5.	10	>2	5,000	N	N	N	30	300	N	N	N	20
84SJ105	18 21 48	64 41 43	15	5.	15	1	5,000	N	N	N	100	200	N	N	N	20
84SJ106	18 18 59	64 43 15	7	1.5	15	.5	2,000	N	N	N	70	100	N	N	N	10
84SJ107	18 18 40	64 42 36	10	1.5	10	1	1,500	N	N	N	50	300	N	N	N	10
84SJ108	18 18 22	64 42 13	7	1.5	10	.7	2,000	N	N	N	70	300	N	N	N	20
84SJ109	18 19 8	64 41 21	1	.2	.7	>2	300	N	N	N	N	70	N	N	N	N
84SJ110	18 19 43	64 39 5	1	.1	2	>2	200	N	N	N	<20	<50	N	N	N	N
84SJ200	18 20 46	64 44 59	7	.7	15	.7	1,500	N	N	N	30	200	N	N	N	<10
84SJ201	18 20 47	64 44 56	10	.7	15	2	2,000	N	N	N	70	100	N	N	N	<10
84SJ202	18 20 40	64 44 52	7	.5	10	1	2,000	N	N	N	70	100	<2	N	N	N
84SJ203	18 20 35	64 44 59	7	1.5	15	.5	1,500	N	N	N	70	1,000	N	30	N	<10
84SJ205	18 20 22	64 44 48	5	.5	7	1	1,500	N	N	N	70	150	<2	N	N	N
84SJ206	18 20 14	64 44 52	7	.7	7	.7	1,500	N	N	N	70	200	<2	N	N	N
84SJ207	18 19 38	64 44 56	3	.5	7	1	1,500	N	N	N	70	70	<2	N	N	N



TABLE 6.--Continued

SAMPLE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
84SJ092	50	50	<50	N	N	<10	20,000	N	<10	1,000	2,000	700	N	30	N	700
84SJ093	50	20	N	N	N	10	700	N	N	50	700	300	N	20	N	100
84SJ094	1,000	70	N	N	N	<10	10,000	N	<10	N	3,000	3,000	N	70	700	150
84SJ095	30	50	N	N	N	<10	20	N	N	N	1,000	150	N	N	N	200
84SJ096	30	30	<50	N	N	<10	30	N	N	N	500	500	N	150	N	>2,000
84SJ097	70	500	50	N	N	10	30	N	N	N	1,000	300	N	50	N	700
84SJ098	70	15	50	N	N	<10	20	N	10	<20	200	500	N	300	N	>2,000
84SJ099	200	10	70	N	N	<10	20	N	N	300	200	1,500	N	300	N	2,000
84SJ100	100	100	<50	N	N	10	1,000	N	N	>2,000	300	500	N	200	N	300
84SJ101	500	50	N	N	N	20	<20	N	10	50	700	1,000	N	50	N	150
84SJ102	500	50	<50	N	N	30	100	N	<10	N	700	1,000	N	50	N	200
84SJ103	500	300	N	N	N	100	<20	N	10	N	500	1,000	N	70	N	100
84SJ104	500	200	N	N	N	100	20	N	10	N	1,000	1,000	N	70	N	200
84SJ105	500	100	N	N	N	30	20	N	<10	N	500	1,000	N	50	N	30
84SJ106	100	50	N	N	N	20	20	N	<10	N	1,000	700	N	30	N	70
84SJ107	150	50	N	N	N	20	20	N	<10	N	700	700	N	30	N	100
84SJ108	70	30	N	N	N	20	<20	N	N	N	300	500	N	<20	N	70
84SJ109	50	<10	N	N	N	10	<20	N	N	N	N	150	N	50	N	500
84SJ110	70	N	N	N	N	<10	50	N	10	N	N	300	N	1,500	N	>2,000
84SJ200	50	70	<50	N	N	10	1,500	N	<10	>2,000	700	500	N	20	N	200
84SJ201	70	15	<50	N	N	10	30	N	10	N	1,500	500	N	100	N	150
84SJ202	50	<10	<50	N	N	<10	50	N	<10	N	700	200	N	50	N	150
84SJ203	100	700	N	N	N	10	700	1,000	<10	>2,000	700	500	N	<20	N	150
84SJ205	50	<10	N	N	N	<10	20	N	<10	300	700	150	N	50	N	150
84SJ206	50	15	<50	N	N	10	20	N	<10	100	700	300	N	50	N	100
84SJ207	70	20	<50	N	N	<10	70	N	N	1,500	300	200	N	50	N	500

**TABLE 7--Analytical results for the oxalic-acid-leach samples collected on St. Thomas and St. John,  
U.S. Virgin Islands**

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

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
83ST001	18 20 46	64 53 14	20	5	1.5	.100	5,000	500	N	N	300	300	<2	N
83ST002	18 20 48	64 52 44	20	7	2	.100	7,000	10	N	N	100	700	<2	N
83ST003	18 20 23	64 51 58	15	7	1.5	.100	7,000	20	N	N	70	300	N	N
83ST004S	18 19 15	64 50 24	15	7	1.5	.070	7,000	50	N	N	70	200	N	N
83ST005S	18 19 36	64 50 13	20	5	1.5	.200	10,000	300	N	N	500	1,000	N	N
83ST006S	18 19 2	64 49 40	20	7	1	.200	10,000	70	N	N	500	200	N	N
83ST007S	18 18 41	64 49 41	20	5	.7	.070	10,000	200	N	N	50	500	N	N
83ST008S	18 17 52	64 49 2	30	2	.7	.050	1,500	50	N	N	1,000	<50	<2	N
83ST009S	18 18 0	64 49 25	20	5	.5	.015	10,000	N	N	N	100	150	<2	N
83ST010S	18 18 6	64 49 34	20	3	1.5	.020	3,000	5	N	N	200	70	<2	N
83ST011S	18 18 10	64 49 44	20	5	.3	.010	7,000	10	N	N	20	150	<2	N
83ST012S	18 18 54	64 50 50	15	.7	3	.050	10,000	N	N	N	700	700	<2	N
83ST013S	18 18 33	64 51 52	30	3	.2	.050	5,000	3	N	N	200	1,000	2	N
83ST014S	18 18 26	64 52 14	20	2	1	.030	10,000	N	N	N	1,500	1,000	N	N
83ST015S	18 18 24	64 52 28	20	5	.7	.070	10,000	N	N	N	30	1,000	N	N
83ST016S	18 19 47	64 56 42	20	5	3	.070	10,000	7	N	N	500	700	N	N
83ST018S	18 19 19	64 57 7	20	5	.7	.070	10,000	N	N	N	30	1,000	2	N
83ST021S	18 18 27	65 0 6	20	5	.5	.050	5,000	N	N	N	700	70	<2	<20
83ST022S	18 21 15	64 59 39	15	5	2	.150	10,000	N	N	N	150	300	N	N
83ST023S	18 20 47	64 58 36	20	7	1.5	.150	5,000	200	N	N	200	700	N	N
83ST024S	18 20 21	64 50 42	15	3	7	.300	3,000	700	N	N	700	200	N	20
83ST025S	18 21 17	64 52 54	30	5	.3	.300	10,000	N	N	N	150	700	<2	N
83ST026	18 21 22	64 53 21	20	5	1.5	.150	7,000	<1	N	N	<20	500	<2	N
83ST027S	18 21 52	64 53 35	20	7	1.5	.300	10,000	7	N	N	70	700	N	N
83ST029S	18 24 7	64 54 45	30	7	1	.200	10,000	N	N	N	N	700	<2	N
83ST030S	18 24 35	64 54 29	30	5	.7	.100	10,000	N	N	N	N	500	<2	N
83ST031S	18 22 1	64 54 24	20	7	2	.150	10,000	70	N	N	20	1,500	<2	N
83ST032	18 22 37	64 55 41	20	5	.7	.070	10,000	200	N	N	70	700	<2	N
83ST033	18 22 1	64 55 15	20	7	1.5	.200	7,000	2	N	N	50	300	<2	N
83ST034	18 21 34	64 55 39	30	7	2	.150	7,000	30	N	N	500	1,000	N	N
83ST035	18 21 49	64 56 14	20	7	1.5	.100	10,000	N	N	N	70	1,500	<2	N
83ST036	18 22 28	64 56 57	20	7	1.5	.700	7,000	N	N	N	150	200	N	N
83ST037	18 22 12	64 58 5	30	5	2	.150	10,000	300	N	N	N	700	N	N
83ST038	18 23 0	64 58 8	15	10	1	.070	7,000	N	N	N	30	200	N	N
83ST039	18 23 14	64 58 21	20	7	1.5	.070	5,000	2	N	N	30	300	<2	N
83ST040	18 23 41	64 58 8	20	7	2	.100	10,000	N	N	N	150	300	3	N
83ST041	18 24 5	64 58 30	15	7	2	.100	7,000	N	N	N	<20	150	N	N
83ST042	18 22 24	64 58 32	15	7	2	.070	10,000	7	N	N	N	500	N	N
83ST043	18 22 21	64 59 0	20	7	3	.150	10,000	N	N	N	70	1,000	N	N
83ST044S	18 22 24	64 59 27	15	3	3	.150	10,000	N	N	N	200	1,000	N	N
83ST045S	18 20 4	64 56 15	20	2	.5	.100	10,000	15	N	N	300	2,000	2	N
83ST046	18 19 42	64 56 7	20	7	1.5	.100	10,000	N	N	N	50	700	<2	N
83ST047	18 16 44	64 53 46	15	5	1	.300	3,000	10	N	N	100	50	N	N
83ST048	18 18 39	64 53 4	15	7	.3	.030	10,000	20	N	N	70	500	N	50
83ST049S	18 18 58	64 53 28	20	5	1	.050	10,000	20	N	N	200	150	2	N

TABLE 7.--Continued

SAMPLE	S-CD	S-CE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
83ST001	N	150	100	500	N	<10	N	50	200	N	20	N	300	700	N	50	1,000	50
83ST002	N	150	150	1,000	N	N	N	150	70	N	<10	N	700	700	N	N	500	<20
83ST003	N	150	100	500	N	N	N	100	70	N	<10	N	<200	500	N	<20	N	<20
83ST004S	N	150	100	700	N	N	N	100	300	N	10	N	<200	700	N	20	N	<20
83ST005S	N	1,000	150	1,000	N	10	N	200	300	N	15	50	<200	1,500	N	<20	N	20
83ST006S	N	500	700	700	N	N	N	200	70	N	50	N	N	1,500	N	20	N	30
83ST007S	N	500	100	300	N	N	N	70	100	N	20	70	<200	1,000	N	50	<500	30
83ST008S	N	30	70	200	N	100	N	30	500	N	<10	150	N	200	N	N	N	N
83ST009S	N	100	100	50	N	10	N	50	100	N	<10	N	N	200	N	N	N	N
83ST010S	N	30	50	70	N	15	N	20	150	N	10	30	700	200	N	N	500	N
83ST011S	N	150	150	100	N	20	N	100	70	N	15	N	N	500	N	20	700	N
83ST012S	N	150	30	300	N	N	N	50	50	N	<10	N	300	500	N	N	N	N
83ST013S	N	150	70	15,000	<50	100	N	150	200	N	15	200	N	700	N	30	20,000	N
83ST014S	N	1,500	700	700	N	70	N	700	150	N	50	N	<200	1,500	N	<20	N	N
83ST015S	N	1,500	150	1,000	N	10	N	200	100	N	20	N	N	1,000	N	20	N	<20
83ST016S	N	300	70	300	N	N	N	100	100	N	20	N	500	2,000	N	70	N	50
83ST018S	N	100	70	150	70	N	N	100	500	N	10	70	200	700	N	150	500	20
83ST021S	N	20	100	1,000	N	10	N	50	3,000	N	15	70	<200	500	N	30	1,500	N
83ST022S	N	150	70	500	N	N	N	70	100	300	20	N	<200	1,000	N	<20	N	30
83ST023S	N	100	70	700	N	N	N	70	70	N	10	N	<200	100	N	N	N	30
83ST024S	N	70	100	1,000	N	N	N	100	500	N	20	100	1,000	500	N	<20	1,000	30
83ST025S	N	150	150	1,000	N	N	N	100	100	N	70	20	N	1,500	N	50	<500	20
83ST026	N	150	150	700	N	N	N	150	700	N	20	200	300	700	N	20	700	<20
83ST027S	N	300	150	1,000	70	N	N	200	100	N	15	N	300	1,500	N	50	N	70
83ST029S	N	300	150	700	<50	N	N	150	70	N	15	N	N	1,500	N	30	500	50
83ST030S	N	300	150	700	N	N	N	70	100	N	10	N	N	1,500	N	20	N	30
83ST031S	N	150	70	1,000	N	N	N	70	100	N	15	N	700	1,000	N	50	500	50
83ST032	N	200	100	700	50	N	N	70	150	N	20	N	N	700	N	70	N	20
83ST033	N	100	100	700	N	N	N	100	70	N	15	N	300	700	N	N	500	20
83ST034	N	150	70	700	N	N	N	70	150	N	<10	N	3,000	1,000	N	N	700	20
83ST035	N	150	50	1,000	N	N	N	50	150	N	30	N	500	1,000	N	70	<500	50
83ST036	N	150	100	1,000	N	N	N	150	30	N	30	N	N	1,000	N	30	N	30
83ST037	N	150	20	700	N	N	N	50	100	N	30	N	N	1,500	N	50	500	70
83ST038	N	100	70	500	N	N	N	100	<20	N	10	N	200	700	N	N	N	N
83ST039	N	100	100	500	N	N	N	150	50	N	15	N	N	1,500	N	50	500	50
83ST040	N	100	N	1,500	N	N	N	50	30	N	10	N	N	700	N	N	N	50
83ST041	N	100	50	1,000	N	N	N	70	50	N	15	N	N	1,000	N	20	N	50
83ST042	N	70	20	500	N	N	N	10	20	N	20	N	1,000	500	N	N	700	<20
83ST043	N	150	70	1,000	N	N	N	100	150	N	50	N	500	1,000	N	50	500	70
83ST044S	N	500	20	1,000	N	N	N	70	70	N	70	N	<200	1,500	N	70	N	100
83ST045S	N	500	20	100	<50	<10	N	50	700	N	30	N	<200	500	N	30	500	30
83ST046	N	200	300	300	N	N	N	300	100	N	20	N	<200	1,000	N	70	500	30
83ST047	N	100	200	1,000	N	N	N	150	70	N	20	200	N	700	N	30	N	N
83ST048	N	200	500	2,000	N	N	N	300	150	N	20	N	N	700	N	20	700	N
83ST049S	N	70	200	200	N	N	N	50	200	N	15	N	500	500	N	50	1,000	N

TABLE 7.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
83ST050	18 19 38	64 55 18	15	7	2	.070	5,000	N	N	N	50	200	N	N
83ST051	18 19 37	64 56 58	20	5	.7	.050	10,000	10	N	N	100	300	(2	N
83ST052	18 19 48	64 57 31	15	5	.5	.070	3,000	20	N	N	50	100	(2	N
83ST054	18 19 55	64 58 21	30	1.5	1.5	.070	300	700	N	N	500	700	N	N
83ST055	18 21 0	64 59 10	15	7	2	.150	5,000	20	N	N	100	200	N	N
83ST056	18 20 54	65 1 54	15	3	5	.100	7,000	15	N	N	50	300	N	N
83ST057	18 21 16	65 2 6	20	5	5	.200	10,000	15	N	N	50	1,000	N	N
83ST058	18 20 40	65 4 47	15	5	1.5	.150	7,000	N	N	N	20	500	N	N
83ST059S	18 20 23	65 5 6	20	2	2	.030	10,000	N	N	N	N	1,000	(2	N
83ST060S	18 21 42	65 2 49	20	3	2	.150	10,000	N	N	N	200	1,500	(2	N
83ST061	18 21 43	65 3 9	15	5	1.5	.070	10,000	5	N	N	50	1,500	N	N
83ST062	18 22 52	65 3 40	20	5	1.5	.200	10,000	N	N	N	150	1,000	N	N
83ST063	18 24 20	65 3 36	15	1.5	1.5	.150	2,000	N	N	N	50	200	N	N
83ST065	18 21 46	64 59 37	20	5	3	.500	10,000	N	N	N	70	300	N	N
83ST067	18 19 41	64 51 14	20	5	.5	.070	10,000	5	N	N	50	500	(2	N
83ST068	18 19 59	64 51 14	20	3	.3	.070	10,000	N	N	N	200	500	2	N
83ST069	18 19 36	64 51 40	20	3	.5	.070	10,000	N	N	N	70	700	2	N
83ST070	18 19 40	64 52 23	15	3	.3	.070	7,000	N	N	N	200	300	(2	N
83ST071	18 19 42	64 52 25	15	3	.5	.070	5,000	N	N	N	100	500	(2	N
83ST072	18 19 19	64 53 29	15	7	.5	.070	7,000	7	N	N	150	150	N	N
83ST073	18 19 27	64 53 28	20	5	.7	.150	10,000	7	N	N	300	500	(2	N
83ST074	18 20 5	64 53 3	15	7	1.5	.100	5,000	7	N	N	30	500	N	N
83ST075	18 19 44	64 53 0	20	3	.5	.070	7,000	N	N	N	70	200	(2	N
83ST076	18 19 34	64 54 35	20	7	1	.070	10,000	7	N	N	70	300	(2	N
83ST077	18 19 12	64 54 42	20	7	1.5	.070	10,000	N	N	N	30	300	(2	N
83ST078	18 19 11	64 53 59	20	7	1.5	.070	7,000	N	N	N	N	500	(2	N
83ST079	18 19 30	64 54 16	20	5	1	.070	10,000	7	N	N	20	2,000	(2	N
83ST080	18 20 13	64 54 30	20	5	1.5	.150	3,000	5	N	N	200	500	(2	N
83ST081	18 20 18	64 54 24	15	5	1.5	.070	10,000	N	N	N	50	1,500	N	N
83ST082	18 20 12	64 54 12	15	5	1	.150	10,000	(1	N	N	100	500	(2	N
83ST083	18 20 15	64 53 30	15	5	1	.070	3,000	2	N	N	N	300	N	N
83ST085	18 21 32	64 54 30	15	5	2	.100	7,000	N	N	N	N	1,000	(2	N
83ST086	18 21 17	64 55 16	20	2	1	.200	5,000	3	N	N	500	700	2	N
83ST087	18 21 43	64 56 31	20	3	3	.100	10,000	(1	N	N	N	1,500	(2	N
83ST088	18 22 11	64 57 8	15	5	1.5	.150	7,000	N	N	N	150	1,000	(2	N
83ST089	18 22 9	64 57 38	15	5	2	.070	10,000	N	N	N	N	1,500	N	N
83ST090	18 21 52	64 58 35	20	5	1.5	.070	10,000	N	N	N	30	2,000	(2	N
83ST091	18 21 39	65 0 55	20	7	5	.070	10,000	3	N	N	30	700	N	N
83ST092	18 21 32	65 1 5	20	5	3	.200	10,000	N	N	N	150	700	N	N
83ST093	18 21 4	65 1 22	15	3	5	.100	1,000	N	N	N	70	500	N	N
83ST094	18 20 45	65 1 22	15	5	3	.100	10,000	7	N	N	100	700	N	N
83ST095S	18 21 15	65 0 10	15	5	2	.050	10,000	N	N	N	20	500	N	N
83ST096	18 21 28	65 1 55	15	5	3	.150	10,000	N	N	N	50	1,000	N	N
83ST097	18 20 44	64 56 55	20	7	3	.100	10,000	20	N	N	100	700	(2	N
83ST098	18 20 49	64 57 8	15	7	2	.070	1,000	N	N	N	N	700	N	N



TABLE 7.--Continued

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
83ST050	N	100	150	700	N	N	N	100	300	N	20	N	500	700	N	<20	1,000	N
83ST051	N	70	150	100	N	N	N	70	200	N	10	N	N	700	N	70	700	N
83ST052	N	15	50	50	N	N	N	10	100	N	10	N	N	300	N	20	500	N
83ST054	N	10	50	1,000	N	100	N	50	1,000	N	<10	N	500	200	N	N	N	N
83ST055	N	100	100	1,000	N	N	N	70	70	N	15	N	500	1,000	N	N	500	<20
83ST056	N	100	30	500	N	N	N	30	70	N	30	N	N	1,500	N	20	N	50
83ST057	N	150	50	700	<50	N	N	50	70	N	30	N	300	1,500	N	50	<500	100
83ST058	N	100	100	500	N	N	N	50	70	N	30	N	N	1,000	N	30	N	50
83ST059S	N	300	150	300	N	N	N	30	100	N	30	N	N	1,500	N	50	N	70
83ST060S	N	150	50	700	N	N	N	50	300	N	20	N	200	1,000	N	150	N	100
83ST061	N	300	<20	300	N	N	N	30	70	N	15	N	N	300	N	30	<500	30
83ST062	N	100	70	50	N	N	N	100	150	N	50	N	N	700	N	70	<500	100
83ST063	N	20	150	150	N	N	N	10	70	N	10	N	300	500	N	<20	N	50
83ST065	N	100	50	700	<50	N	N	50	70	<200	30	N	N	1,500	N	30	<500	50
83ST067	N	100	200	300	N	N	N	100	300	N	15	N	N	700	N	50	700	<20
83ST068	N	100	150	300	N	N	N	100	150	N	15	N	N	700	N	50	1,000	<20
83ST069	N	100	150	200	<50	N	N	70	150	N	15	N	N	700	N	100	700	20
83ST070	N	70	150	300	N	N	N	70	200	N	10	N	N	700	N	50	1,000	N
83ST071	N	70	100	200	N	N	N	50	200	N	15	N	<200	500	N	50	1,000	N
83ST072	N	70	200	500	N	N	N	100	150	N	20	N	N	700	N	30	1,000	N
83ST073	N	150	200	700	N	15	N	100	200	N	20	N	N	1,000	N	50	1,000	N
83ST074	N	100	100	700	N	N	N	100	150	N	15	N	500	700	N	N	700	N
83ST075	N	70	100	150	N	N	N	50	150	N	20	N	N	700	N	50	700	<20
83ST076	N	150	150	700	<50	N	N	150	100	N	30	N	<200	700	N	50	1,500	<20
83ST077	N	150	500	300	N	N	N	150	100	N	20	N	500	1,000	N	50	500	N
83ST078	N	150	300	700	N	N	N	200	200	N	20	N	N	1,000	N	20	700	20
83ST079	N	150	150	700	N	N	N	200	300	N	20	N	N	700	N	50	700	<20
83ST080	N	100	150	700	N	N	N	100	300	N	20	N	200	700	N	50	700	20
83ST081	N	150	70	700	N	N	N	70	100	N	20	N	200	700	N	50	500	20
83ST082	N	100	100	700	N	N	N	100	200	N	20	N	N	1,000	N	50	1,500	30
83ST083	N	100	70	700	N	N	N	70	50	N	10	N	N	700	N	N	1,000	N
83ST085	N	200	100	700	N	N	N	150	100	N	15	N	200	1,000	N	<20	500	20
83ST086	N	100	200	300	N	N	N	70	200	N	15	N	N	1,000	N	50	1,000	50
83ST087	N	200	70	500	N	N	N	50	150	N	50	N	700	1,000	N	100	1,000	50
83ST088	N	150	100	500	N	N	N	70	200	N	30	N	N	700	N	50	500	50
83ST089	N	200	70	700	<50	N	N	70	200	N	50	N	300	1,000	N	30	700	50
83ST090	N	300	100	700	<50	N	N	70	100	N	30	N	200	2,000	N	50	700	70
83ST091	N	200	50	700	N	N	N	70	100	N	50	N	N	1,500	N	50	500	70
83ST092	N	150	50	700	<50	N	N	50	100	N	50	N	N	1,000	N	50	700	70
83ST093	N	200	70	700	N	N	N	50	70	N	50	N	N	1,500	N	30	<500	70
83ST094	N	200	70	700	N	N	N	70	70	N	50	N	200	1,500	N	50	500	70
83ST095S	N	150	70	500	N	N	N	100	<20	N	30	N	N	700	N	50	<500	50
83ST096	N	150	50	700	N	N	N	50	100	N	50	N	<200	1,500	N	70	500	100
83ST097	N	200	100	700	<50	N	N	100	300	N	20	N	300	1,500	N	N	500	50
83ST098	N	150	70	700	N	N	N	100	70	N	20	N	300	1,000	N	N	500	30

TABLE 7.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-R	S-BA	S-BE	S-BI
83ST099	18 20 58	64 57 46	20	7	3	.070	10,000	15	N	N	20	700	N	N
83ST102S	18 18 28	64 50 0	20	5	.7	.070	10,000	N	N	N	20	300	<2	N
83ST103S	18 18 57	64 49 55	20	5	.7	.100	10,000	N	N	N	150	700	<2	N
83ST104S	18 21 33	64 50 21	20	5	1.5	.200	10,000	N	N	N	100	1,500	<2	N
83ST105S	18 21 44	64 49 32	20	5	1.5	.100	10,000	3	N	N	500	500	N	N
83ST106S	18 21 43	64 49 42	20	3	1	.100	10,000	200	N	N	70	1,000	<2	N
83ST108S	18 21 50	64 52 12	20	3	.7	.700	10,000	N	N	N	70	700	N	N
83ST109S	18 21 34	64 51 46	1.5	3	2	.100	3,000	30	N	N	50	1,000	2	N
83ST110S	18 20 48	64 51 45	20	3	2	.300	10,000	7	N	N	200	1,500	2	N
83ST111S	18 19 52	64 50 47	20	5	1	.100	10,000	N	N	N	100	1,500	N	30
84SJ001	18 20 27	64 47 22	15	3	1	.070	7,000	N	N	N	100	200	<2	N
84SJ002	18 20 29	64 47 6	20	5	1	.100	7,000	N	N	N	50	150	<2	N
84SJ003	18 20 49	64 46 51	15	7	1.5	.100	7,000	N	N	N	50	150	N	N
84SJ004	18 20 53	64 46 36	15	7	1	.150	7,000	N	N	N	20	150	N	N
84SJ005	18 21 8	64 46 30	15	7	1	.200	7,000	7	N	N	50	300	N	N
84SJ006	18 21 12	64 46 5	20	7	1.5	.300	10,000	N	N	N	30	500	N	N
84SJ007	18 21 12	64 45 49	15	7	1.5	.100	10,000	50	N	N	70	500	N	N
84SJ008	18 21 12	64 45 21	20	7	1.5	.200	10,000	N	N	N	N	500	N	N
84SJ009	18 21 16	64 45 9	20	7	1.5	.200	10,000	N	N	N	50	700	N	N
84SJ010	18 21 57	64 44 29	20	5	3	.150	10,000	15	N	N	50	1,500	N	N
84SJ011	18 21 57	64 44 17	20	5	2	.500	10,000	100	N	N	150	1,500	<2	N
84SJ012	18 21 54	64 43 40	20	5	5	.500	10,000	1,000	N	N	50	500	N	N
84SJ013	18 21 38	64 44 6	15	7	2	.200	10,000	7	N	N	30	1,500	N	N
84SJ014	18 21 28	64 44 22	20	7	2	.300	7,000	300	N	N	50	500	N	N
84SJ015	18 21 50	64 43 6	20	3	3	.150	10,000	70	N	N	70	1,000	N	N
84SJ016	18 21 27	64 43 42	15	3	2	.200	10,000	200	N	N	200	2,000	N	N
84SJ017	18 21 15	64 43 2	20	7	1	.500	10,000	30	N	N	300	500	<2	N
84SJ018	18 21 7	64 42 48	15	7	2	.150	7,000	50	N	N	20	700	N	N
84SJ019	18 21 20	64 42 22	15	5	1.5	.200	7,000	100	N	N	150	700	N	N
84SJ020	18 21 30	64 42 4	20	3	1.5	.300	5,000	500	N	N	100	300	<2	N
84SJ021	18 21 4	64 43 24	15	5	1.5	.100	10,000	30	N	N	150	1,000	N	N
84SJ022	18 20 57	64 43 29	20	7	.7	.150	10,000	20	N	N	100	500	N	N
84SJ023	18 20 55	64 43 27	15	5	1	.150	10,000	50	N	N	100	700	<2	N
84SJ024	18 20 32	64 42 55	15	5	1	.100	10,000	50	N	N	100	700	<2	N
84SJ025	18 20 42	64 43 5	15	5	.7	.100	10,000	N	N	N	70	1,000	<2	N
84SJ026	18 21 29	64 41 45	20	3	1.5	.200	10,000	N	N	N	100	500	<2	N
84SJ027	18 21 33	64 41 27	20	.3	2	.070	5,000	<1	N	N	200	<50	N	N
84SJ028	18 21 9	64 40 59	20	3	3	.200	10,000	<1	N	N	150	700	3	N
84SJ029	18 20 20	64 40 23	15	5	1.5	.200	1,000	<1	N	N	200	500	<2	N
84SJ030	18 20 33	64 40 26	20	5	2	.100	10,000	1	N	N	150	500	5	N
84SJ031	18 20 43	64 40 27	15	3	2	.100	10,000	500	N	N	150	1,000	N	N
84SJ032	18 20 17	64 42 49	15	5	1.5	.300	10,000	1,000	N	N	150	700	2	N
84SJ033	18 20 3	64 42 31	15	7	1.5	.150	10,000	500	N	N	50	500	<2	N
84SJ034	18 19 44	64 42 14	20	7	.7	.070	10,000	20	N	N	70	300	N	N
84SJ035	18 19 19	64 42 5	7	1	3	.300	10,000	300	N	N	300	700	N	N

TABLE 7.--Continued

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
83ST099	N	200	70	700	N	N	N	150	100	N	50	N	500	1,500	N	30	500	50
83ST102S	N	200	300	500	N	N	N	150	70	N	15	N	N	1,000	N	50	500	30
83ST103S	N	150	200	500	N	N	N	150	2,000	N	10	N	200	1,000	N	50	700	20
83ST104S	N	200	70	1,500	N	N	N	200	20	N	10	N	500	700	N	N	N	N
83ST105S	N	200	70	2,000	N	30	N	200	30	N	10	N	500	700	N	N	500	N
83ST106S	N	200	70	700	N	N	N	30	200	N	15	N	300	2,000	N	30	500	20
83ST108S	N	200	100	700	N	N	N	100	100	N	20	N	N	1,500	N	20	N	N
83ST109S	N	150	50	700	N	N	N	70	100	N	10	N	700	700	N	N	N	N
83ST110S	N	700	200	1,500	50	N	N	200	200	N	20	N	500	1,000	N	50	500	50
83ST111S	N	200	20	2,000	50	N	N	70	100	N	70	N	200	1,500	N	70	1,000	20
84SJ001	N	70	100	700	N	N	N	100	150	N	10	N	200	1,500	N	20	700	20
84SJ002	N	100	150	700	N	N	N	150	150	N	10	N	300	1,500	N	20	1,000	20
84SJ003	N	150	100	1,000	N	N	N	150	20	N	N	N	500	1,000	N	N	500	N
84SJ004	N	150	100	700	N	N	N	150	20	N	N	N	300	1,000	N	N	500	N
84SJ005	N	100	150	700	N	N	N	150	70	N	10	N	N	1,000	N	20	1,000	N
84SJ006	N	150	100	1,000	N	N	N	150	70	N	10	N	200	1,000	N	20	700	N
84SJ007	N	200	100	1,000	N	N	N	150	50	N	10	N	300	1,000	N	N	500	N
84SJ008	N	150	150	1,000	N	N	N	150	50	N	10	N	N	1,000	N	N	700	N
84SJ009	N	150	70	700	N	N	N	100	100	N	20	N	200	1,500	N	30	1,000	N
84SJ010	N	500	100	1,000	N	10	N	200	100	N	15	N	500	2,000	N	20	500	N
84SJ011	N	200	150	1,000	N	N	N	150	100	N	10	N	500	3,000	N	N	700	N
84SJ012	N	100	200	700	50	N	N	150	200	N	15	N	500	2,000	N	30	1,500	N
84SJ013	N	200	150	700	N	N	N	150	100	N	10	N	700	2,000	N	N	700	N
84SJ014	N	100	200	3,000	N	N	N	150	200	N	20	N	200	1,500	N	30	1,000	N
84SJ015	N	200	150	1,000	N	N	N	150	200	N	10	N	500	2,000	N	20	700	N
84SJ016	N	700	200	1,000	N	20	N	300	200	N	20	N	1,000	700	N	30	5,000	20
84SJ017	N	150	50	700	N	N	N	100	300	N	30	N	N	700	N	50	2,000	N
84SJ018	N	100	50	1,000	N	N	N	70	50	N	10	N	300	1,000	N	N	700	N
84SJ019	N	70	150	300	N	N	N	100	50	N	10	N	200	1,000	N	N	700	N
84SJ020	N	70	200	700	N	N	N	150	300	N	15	N	N	1,500	N	50	1,500	N
84SJ021	N	500	100	500	N	15	N	150	100	N	15	N	300	2,000	N	30	700	N
84SJ022	N	150	150	500	N	10	N	200	200	N	15	N	200	1,500	N	70	1,000	20
84SJ023	N	100	70	1,000	N	10	N	150	200	N	15	N	N	1,000	N	50	1,000	N
84SJ024	N	150	200	700	N	N	N	200	700	N	10	N	300	1,000	N	50	2,000	N
84SJ025	N	100	150	500	N	N	N	150	150	N	15	N	N	1,000	N	30	700	N
84SJ026	N	70	100	500	N	N	N	150	70	N	10	N	500	1,000	N	N	1,000	N
84SJ027	N	10	150	150	N	N	N	300	100	N	N	N	N	300	N	N	10,000	N
84SJ028	N	100	50	1,000	N	N	N	150	70	N	10	N	300	1,000	N	N	1,500	N
84SJ029	N	100	200	1,000	N	15	N	300	150	500	15	30	N	1,000	N	50	2,000	N
84SJ030	N	70	150	200	50	N	N	150	300	N	10	N	300	1,500	N	70	1,500	30
84SJ031	N	500	200	500	N	10	N	300	100	N	10	N	500	1,000	N	30	1,000	N
84SJ032	N	150	200	500	N	10	N	200	300	N	10	N	300	1,000	N	70	1,500	20
84SJ033	N	150	150	1,000	N	N	N	200	100	N	15	N	200	1,000	N	50	1,500	20
84SJ034	N	200	200	1,000	N	N	N	200	50	N	20	N	200	1,000	N	30	700	N
84SJ035	N	100	500	700	50	20	N	300	150	N	10	N	N	500	N	N	20,000	20

TABLE 7.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
84SJ036	18 19 10	64 42 23	10	5	1.5	.150	>10,000	50	N	N	300	500	N	N
84SJ038	18 19 15	64 43 9	15	3	.7	.070	10,000	100	N	N	100	300	<2	N
84SJ039	18 19 46	64 43 4	20	5	1.5	.150	10,000	700	N	N	100	500	N	N
84SJ040	18 19 50	64 43 5	20	7	1	.150	10,000	20	N	N	50	1,500	3	N
84SJ041	18 19 49	64 43 11	15	5	1.5	.070	>10,000	N	N	N	50	1,000	3	N
84SJ042	18 19 39	64 43 20	20	5	1	.070	10,000	100	N	N	200	700	2	N
84SJ043	18 19 32	64 43 18	15	5	.7	.050	10,000	150	N	N	200	300	2	N
84SJ044	18 19 24	64 44 4	20	5	.7	.070	7,000	5	N	N	100	150	<2	N
84SJ045	18 19 24	64 43 50	15	5	.7	.070	10,000	7	N	N	100	500	N	N
84SJ046	18 19 26	64 43 44	15	5	.7	.050	5,000	10	N	N	100	150	<2	N
84SJ048	18 19 39	64 45 57	15	2	2	.070	>10,000	7	N	N	200	500	<2	N
84SJ049	18 19 44	64 45 48	20	5	1.5	.070	>10,000	5	N	N	100	700	N	N
84SJ050	18 19 35	64 45 30	15	5	1	.070	10,000	N	N	N	100	300	<2	N
84SJ051	18 19 29	64 45 27	20	5	.7	.070	10,000	1.5	N	N	70	500	<2	N
84SJ053	18 20 27	64 45 32	20	5	2	.100	10,000	3	N	N	20	500	<2	N
84SJ054	18 20 29	64 45 34	20	5	2	.200	7,000	15	N	N	30	500	<2	N
84SJ055	18 20 19	64 45 36	20	3	2	.100	>10,000	N	N	N	N	1,000	<2	N
84SJ056	18 20 21	64 45 41	20	5	1.5	.150	10,000	N	N	N	N	700	<2	N
84SJ057	18 20 7	64 45 42	20	3	1.5	.100	10,000	3	N	N	N	500	N	N
84SJ058	18 20 4	64 45 51	20	3	.7	.100	10,000	N	N	N	20	700	2	N
84SJ059	18 19 22	64 46 48	20	7	1.5	.100	7,000	<1	N	N	20	300	N	N
84SJ070	18 20 39	64 46 18	20	7	1.5	.150	10,000	300	N	N	<20	500	N	N
84SJ071	18 20 32	64 46 7	20	5	1	.100	10,000	7	N	N	N	700	N	N
84SJ072	18 20 43	64 45 40	20	5	.7	.200	5,000	20	N	N	50	300	<2	N
84SJ073	18 20 20	64 46 22	7	5	2	.100	7,000	N	N	N	N	500	N	N
84SJ074	18 20 9	64 46 13	20	5	1.5	.070	10,000	N	N	N	20	700	3	N
84SJ075	18 20 5	64 46 16	20	5	1.5	.050	10,000	N	N	N	N	700	3	N
84SJ076	18 20 4	64 46 37	20	5	1	.070	10,000	N	N	N	50	1,000	<2	N
84SJ077	18 20 7	64 46 36	15	5	1.5	.070	7,000	2	N	N	50	200	N	N
84SJ078	18 19 47	64 46 40	15	5	1.5	.070	7,000	7	N	N	50	300	N	N
84SJ079	18 20 10	64 47 27	20	5	1	.100	7,000	30	N	N	100	300	N	N
84SJ081	18 20 50	64 44 31	15	5	1	.100	10,000	N	N	N	30	300	<2	N
84SJ082	18 20 51	64 44 32	15	5	1	.100	10,000	N	N	N	N	700	2	N
84SJ083	18 20 31	64 44 27	20	5	1	.100	10,000	N	N	N	N	700	2	N
84SJ084	18 20 28	64 44 30	20	3	1	.100	10,000	10	N	N	20	500	<2	N
84SJ085	18 20 14	64 44 23	20	5	.7	.100	>10,000	<1	N	N	70	700	<2	N
84SJ086	18 19 58	64 44 23	20	5	.7	.070	>10,000	15	N	N	50	1,000	N	N
84SJ087	18 19 44	64 44 27	20	5	.7	.100	10,000	7	N	N	70	500	<2	N
84SJ088	18 21 17	64 47 36	15	3	1.5	.150	10,000	N	N	N	70	2,000	N	N
84SJ089	18 21 28	64 47 24	20	2	.7	.200	5,000	2	N	N	N	300	N	N
84SJ090	18 21 45	64 48 31	20	3	3	.070	>10,000	30	N	N	50	1,000	N	N
84SJ091	18 21 38	64 49 0	20	2	1.5	.100	>10,000	500	N	N	N	1,000	N	N
84SJ092	18 21 41	64 49 16	15	3	1.5	.100	>10,000	N	N	N	200	2,000	<2	N
84SJ093	18 21 43	64 49 31	20	3	1.5	.100	7,000	N	N	N	150	300	N	N
84SJ094	18 22 9	64 48 25	15	3	1.5	.100	5,000	20	N	N	150	1,000	N	N



TABLE 7.--Continued

SAMPLE	S-CD	S-CE	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PR	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
84SJ036	N	300	500	1,000	N	20	N	300	300	N	<10	N	N	500	N	N	10,000	N
84SJ038	N	70	200	500	N	N	N	150	100	N	<10	N	N	700	N	70	1,000	20
84SJ039	N	100	150	700	N	N	N	150	100	N	15	N	200	1,500	N	30	700	N
84SJ040	N	150	200	300	N	N	N	200	200	N	10	N	N	700	N	50	1,500	<20
84SJ041	N	200	100	700	N	N	N	200	300	N	<10	N	200	700	N	50	2,000	20
84SJ042	N	150	200	300	N	N	N	200	300	N	<10	N	200	1,000	N	100	1,000	30
84SJ043	N	100	200	200	N	N	N	150	150	N	<10	N	N	700	N	70	1,500	20
84SJ044	N	70	300	300	N	N	N	150	100	N	<10	N	N	1,000	N	30	1,500	20
84SJ045	N	70	150	500	N	N	N	150	150	N	10	N	<200	1,000	N	50	700	20
84SJ046	N	70	200	200	N	N	N	150	100	N	<10	N	N	1,000	N	30	1,000	N
84SJ048	N	150	150	300	<50	15	N	500	100	N	10	70	200	300	N	20	7,000	N
84SJ049	N	200	200	500	N	N	N	200	100	N	15	20	200	1,500	N	50	700	20
84SJ050	N	150	200	500	N	N	N	200	70	N	10	N	200	1,000	N	30	700	20
84SJ051	N	70	150	2,000	N	<10	N	150	300	N	10	N	200	1,500	N	50	2,000	20
84SJ053	N	100	150	300	N	N	N	100	70	N	<10	N	<200	1,500	N	N	700	20
84SJ054	N	150	200	500	N	N	N	150	200	N	<10	N	200	1,500	N	N	1,000	20
84SJ055	N	300	100	300	N	N	N	150	100	N	<10	N	200	1,500	N	20	1,000	30
84SJ056	N	150	150	500	N	N	N	150	70	N	10	N	N	2,000	N	20	1,000	30
84SJ057	N	200	150	500	N	N	N	200	70	N	10	N	N	1,500	N	20	700	<20
84SJ058	N	150	150	300	N	N	N	150	70	N	10	N	N	1,000	N	50	1,000	<20
84SJ059	N	150	150	700	N	N	N	200	100	N	10	N	500	700	N	<20	700	<20
84SJ070	N	150	150	700	N	N	N	150	70	N	10	N	200	1,000	N	<20	500	<20
84SJ071	N	200	150	300	N	N	N	150	200	N	<10	N	200	1,500	N	20	700	N
84SJ072	N	150	200	500	N	N	N	150	200	N	10	N	N	1,500	N	20	1,000	<20
84SJ073	N	100	150	500	N	N	N	100	70	N	<10	N	700	1,000	N	N	700	20
84SJ074	N	150	200	500	N	N	N	150	100	N	10	N	N	1,500	N	50	1,000	20
84SJ075	N	150	200	500	N	N	N	150	100	N	<10	N	N	1,500	N	50	1,000	20
84SJ076	N	200	150	500	N	N	N	150	100	N	<10	N	300	1,500	N	50	700	20
84SJ077	N	100	150	500	N	N	N	100	70	N	<10	N	200	1,000	N	N	500	N
84SJ078	N	150	150	700	N	N	N	150	70	N	<10	N	N	1,000	N	N	700	N
84SJ079	N	150	200	700	N	N	N	200	200	N	N	N	300	1,500	N	<20	1,000	20
84SJ081	N	70	100	500	N	N	N	150	100	N	15	N	N	700	N	20	1,500	N
84SJ082	N	100	70	500	N	N	N	150	150	N	20	N	<200	700	N	50	1,500	N
84SJ083	N	100	70	700	N	N	N	150	100	N	15	N	N	1,000	N	50	1,500	N
84SJ084	N	150	100	500	N	N	N	150	300	N	10	N	<200	1,000	N	50	1,500	<20
84SJ085	N	150	70	700	N	N	N	150	150	N	10	N	N	1,000	N	70	1,500	N
84SJ086	N	150	100	1,000	N	<10	N	200	300	N	10	N	300	700	N	50	1,500	<20
84SJ087	N	100	150	500	N	N	N	200	70	N	10	N	200	700	N	70	1,000	20
84SJ088	N	200	150	700	N	N	N	200	200	N	10	70	500	1,000	N	20	1,500	N
84SJ089	N	50	150	300	N	N	N	100	70	N	<10	N	<200	1,500	N	N	1,000	N
84SJ090	N	300	50	700	N	N	N	150	150	N	<10	N	700	700	N	N	700	N
84SJ091	N	700	70	1,000	N	N	N	150	300	N	20	N	300	1,500	N	30	500	30
84SJ092	N	500	50	500	N	N	N	150	500	N	N	N	2,000	700	N	N	2,000	N
84SJ093	N	200	70	1,500	N	N	N	200	<20	N	N	N	700	500	N	N	700	N
84SJ094	N	50	20	300	N	N	N	50	20	N	N	N	500	500	N	N	1,000	N

TABLE 7.--Continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI
84SJ096	18 22 18	64 45 26	15	3	1.5	.070	>10,000	N	N	N	150	1,000	N	N
84SJ097	18 22 13	64 44 55	20	3	3	.150	>10,000	100	N	N	150	1,000	N	N
84SJ098	18 22 21	64 44 20	20	3	2	.100	10,000	200	N	N	150	1,000	N	N
84SJ099	18 22 3	64 43 5	15	3	2	.150	>10,000	N	N	N	200	1,500	N	N
84SJ100	18 21 44	64 42 32	15	3	2	.100	>10,000	N	N	N	150	2,000	N	N
84SJ101	18 20 58	64 41 11	20	3	1.5	.100	7,000	200	N	N	200	300	N	N
84SJ102	18 20 49	64 41 27	20	3	1	.070	10,000	3	N	N	200	700	N	N
84SJ103	18 20 18	64 40 6	20	3	1	.100	>10,000	200	N	N	200	1,000	2	N
84SJ104	18 20 44	64 40 10	20	3	1.5	.100	>10,000	<1	N	N	200	1,500	2	N
84SJ105	18 21 48	64 41 43	20	3	2	.150	>10,000	<1	N	N	200	1,500	N	N
84SJ106	18 18 59	64 43 15	20	5	2	.070	>10,000	50	N	N	150	1,000	N	N
84SJ107	18 18 40	64 42 36	20	5	1.5	.070	5,000	5	N	N	150	200	N	N
84SJ108	18 18 22	64 42 13	20	5	2	.100	>10,000	15	N	N	100	700	N	N
84SJ109	18 19 8	64 41 21	15	3	1.5	.100	5,000	N	N	N	100	150	N	N
84SJ110	18 19 43	64 39 5	20	2	.7	.100	7,000	7	N	N	150	70	N	N
84SJ200	18 20 46	64 44 59	20	2	1.5	.100	>10,000	N	N	N	N	1,000	2	N
84SJ201	18 20 47	64 44 56	20	2	1.5	.070	10,000	<1	N	N	N	700	3	N
84SJ202	18 20 40	64 44 52	20	3	1.5	.050	>10,000	5	N	N	30	1,000	5	N
84SJ203	18 20 35	64 44 59	20	3	2	.150	10,000	N	N	N	50	1,000	<2	N
84SJ205	18 20 22	64 44 48	20	3	3	.070	>10,000	7	N	N	50	1,500	5	N
84SJ206	18 20 14	64 44 52	20	3	2	.100	10,000	N	N	N	70	1,000	3	N
84SJ207	18 19 38	64 44 56	15	5	1.5	.100	10,000	N	N	N	150	300	N	N

TABLE 7.--Continued

SAMPLE	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
84SJ096	N	500	70	500	N	N	N	200	20	N	N	N	500	700	N	N	500	N
84SJ097	N	200	70	300	N	N	N	150	70	N	<10	N	300	700	N	30	500	20
84SJ098	N	200	50	700	N	N	N	150	70	N	<10	N	500	1,000	N	50	500	N
84SJ099	N	700	200	500	N	10	N	300	200	N	10	50	500	1,000	N	50	700	N
84SJ100	N	700	150	500	N	10	N	200	200	N	10	<20	500	1,500	N	50	700	70
84SJ101	N	150	500	300	N	N	N	200	70	N	10	N	300	2,000	N	50	1,000	N
84SJ102	N	150	300	500	N	N	N	200	500	N	10	N	300	1,500	N	50	700	N
84SJ103	N	150	200	500	N	15	N	200	70	N	<10	N	300	1,000	N	50	1,000	N
84SJ104	N	150	200	700	N	10	N	200	70	N	<10	N	300	1,000	N	50	1,000	N
84SJ105	N	500	100	500	N	N	N	200	100	N	<10	N	500	1,500	N	20	1,000	N
84SJ106	N	500	100	500	N	N	N	200	20	N	<10	N	1,500	1,000	N	N	<500	N
84SJ107	N	150	150	200	N	N	N	150	50	N	10	N	300	1,500	N	70	700	<20
84SJ108	N	700	150	300	N	N	N	200	50	N	10	N	500	1,500	N	30	700	20
84SJ109	N	20	50	70	N	N	N	150	50	N	15	N	200	300	N	20	1,000	N
84SJ110	N	30	70	100	N	N	N	100	200	N	10	N	N	1,500	N	50	1,000	N
84SJ200	N	500	100	500	N	N	N	150	300	N	<10	N	200	2,000	N	20	1,000	N
84SJ201	N	100	70	200	N	N	N	150	200	N	<10	N	N	2,000	N	50	1,500	N
84SJ202	N	200	50	200	N	N	N	150	500	N	<10	N	200	1,500	N	70	1,500	N
84SJ203	N	300	150	500	N	N	N	150	150	N	<10	N	200	2,000	N	N	1,000	<20
84SJ205	N	200	150	500	<50	N	N	200	300	N	<10	N	300	1,500	N	150	2,000	<20
84SJ206	N	200	150	300	N	N	N	200	100	N	10	N	200	1,500	N	70	1,500	<20
84SJ207	N	150	200	300	N	N	N	200	70	N	<10	N	N	1,500	N	50	700	20

