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Gold, silver, tellurium, and spectrographic analyses for rock and soil samples from the U.S. Virgin Islands

By

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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 these 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 and to identify possible mineralization. (Tucker and others, 1985; Alminas and Tucker, 1987).

Geochemical sampling was conducted on the three main islands of St. Croix, St. John, St. Thomas, and numerous smaller islands in the region from 1983 to 1988. Fifteen hundred and ninety six samples were collected and analyzed for 31 elements by emission spectrography and for gold and tellurium by atomic absorption spectroscopy.

This open-file reports the analytical results, tables 1-7, for gold, tellurium, and silver in rock and soil samples collected from the study area, and spectrographic results for rock and soil samples, tables 8 and 9, collected in 1986 and 1988. A previous publication (Hopkins and others, 1986) reported analytical results for samples collected in 1983 and 1984. The study was funded by the USGS Virgin Islands project.

Study Area

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

St. Croix is the largest of the U.S. Virgin Islands, and is located 35 miles south of St. Thomas, it is 22 miles long and 6 miles wide containing 84 square miles. St. John Island is 7 miles long and 3 miles wide, and contains 19 square miles. St. Thomas Island is 12 miles long and 3 miles wide, and contains 30 square miles. The topography of the islands is mountainous. Broad flatlands occur in the central portion of St. Croix. The highest points in the study area are Crown Mountain on St. Thomas, (1,556 ft), Bordeaux Mountain on St. John (1,277 ft), and Mt. Eagle on St. Croix (1,165 ft). The coastline of St. Croix is regular. The coastlines of St. John and St. Thomas are irregular with numerous bays. Small fringing coral reefs are common in shallow water.

The climate in the Virgin Islands is maritime tropical. The average annual rainfall at higher elevations is 50-60 inches per year and at lower elevations is 20-30 inches per year. There is no well-defined wet or dry season. The temperature is generally constant between 80 and 85° F.

The vegetation is generally not native to the islands and consists of thorny brush and Hurricane grass in the formerly cleared areas. The uncleared portions of the more mountainous areas are covered by dense tropical forest with a few large trees and a dense undergrowth of brushes and vines. There are only a few free-flowing streams and these are frequently intermittent.

St. Croix is underlain by strongly-folded upper Cretaceous and gently-folded Tertiary sedimentary rocks, and igneous intrusions with contact metamorphic aureoles of late Cretaceous or early Tertiary age. St. John and St. Thomas are island-arc related Cretaceous to Tertiary volcanic and volcaniclastic rocks, carbonates, and near-surface intrusives.

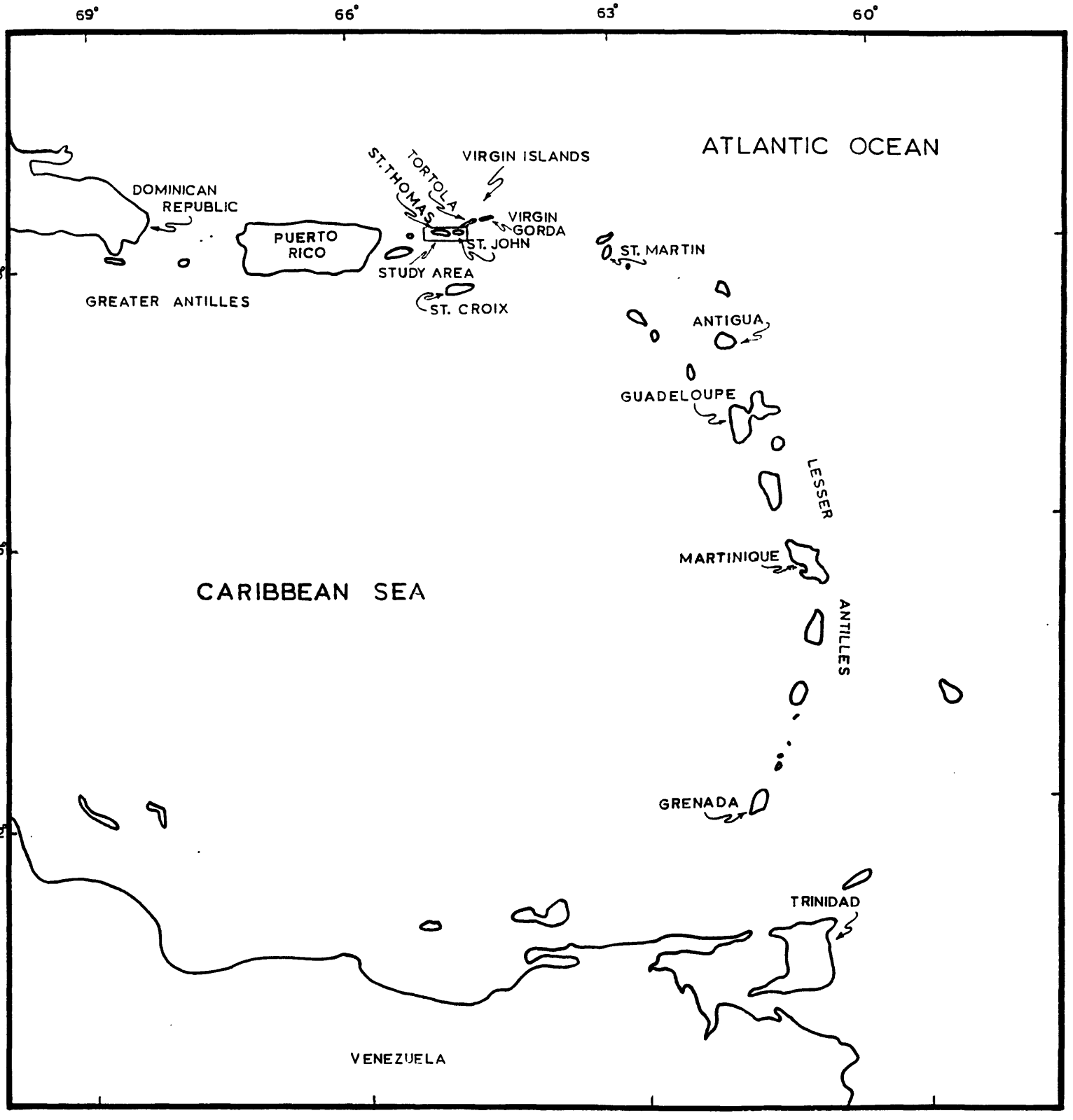

Figure 1. Index map of the study area.

Sample Collection

Sample collection was conducted between 1983 and 1988 by H.V. Alminas and R.E. Tucker. The samples were shipped to the U.S. Geological Survey laboratory in Denver, Colorado for preparation and analyses. Eight hundred and forty six rock and seven hundred and fifty soil samples were collected.

Rock chips from outcrop in the vicinity of the soil or stream drainage site were collected when possible. Approximately 1 lb of rock chips were collected. Rock samples were also collected from altered zones, veins, or dikes whenever encountered. The rocks were crushed and then pulverized using ceramic plates, and the resultant material was analyzed.

Most soil samples were collected in the B-horizon. The B-horizon ranged in depth from 10 inches to over 15 inches. Approximately 1 lb of soil was collected at each site. Soil samples were oven dried at 250 °F for 6 hours as per U.S. Department of Agriculture regulations. The soil samples were disaggregated, sieved through an 80-mesh stainless steel sieve, and analyzed.

ANALYTICAL PROCEDURES

Each sample was analyzed for 31 elements using a semiquantitative, direct-current arc emission spectrographic method (Grimes and Marranzino, 1968). The elements analyzed and their lower limits of determination are listed in table 10. Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method has been determined to be within one reporting interval 83 percent of the time and within two reporting intervals 96 percent of the time (Motooka and Grimes, 1976).

Gold and tellurium were determined in each sample using the atomic-absorption spectroscopic method.

A brief description of these procedures follows:

Gold — A 10-gram sample is roasted for 1 hour at 700 °C, gold is then extracted with hydrobromic acid-0.5 percent bromine solution and MIBK (methyl isobutyl ketone). Flame atomic-absorption spectroscopy is used to determine gold to 0.05 ppm (50 ppb) detection limit, samples below this limit are determined by electrothermal atomic-absorption spectroscopy using background correction to 0.001 ppm (1 ppb) detection limit (O'Leary and Meier, 1986).

Tellurium — Tellurium is extracted from a 5-gram sample with hydrobromic-acid-2.0 percent bromine solution and MIBK. Ascorbic acid is used to reduce iron interference. Flame atomic-absorption spectroscopy is used to determine tellurium to 0.10 ppm detection limit (O'Leary and Meier, 1986).

Results

Data results are given in tables 1-9. In each table, column 1 contains the USGS-assigned sample numbers. Most of the sample numbers contain 7 digits. The first digit or first two numerical digits indicate the year of collection. The next two alpha digits indicate the island (SC, St. Croix; SJ,

St. John; ST, St. Thomas). The next three numerical digits are the site identifier. The last digit represents the sample type (R, rock; R1, R2, etc.) additional rock sample in the immediate vicinity; on St. Thomas only, no alpha character indicates a minus-80-stream sediment; an S or B indicates a B-horizon soil sample. Concentration values for As, Au, Cd, Nb, Sb, W, and Th were omitted from tables 8 and 9 since they were determined to be below the limits of determination (table 10) for all samples. Columns 2 and 3 are the sample localities in latitude and longitude. The following columns contain the analytical results. Figure 2 shows sample sites on St. Croix Island for samples collected in 1984 and 1987, figure 3 for 1986 and 1988, and figure 4 is a detailed site map for 1987. St. John sample site map is shown on figure 5. St. Thomas sample site map is shown on figure 6.

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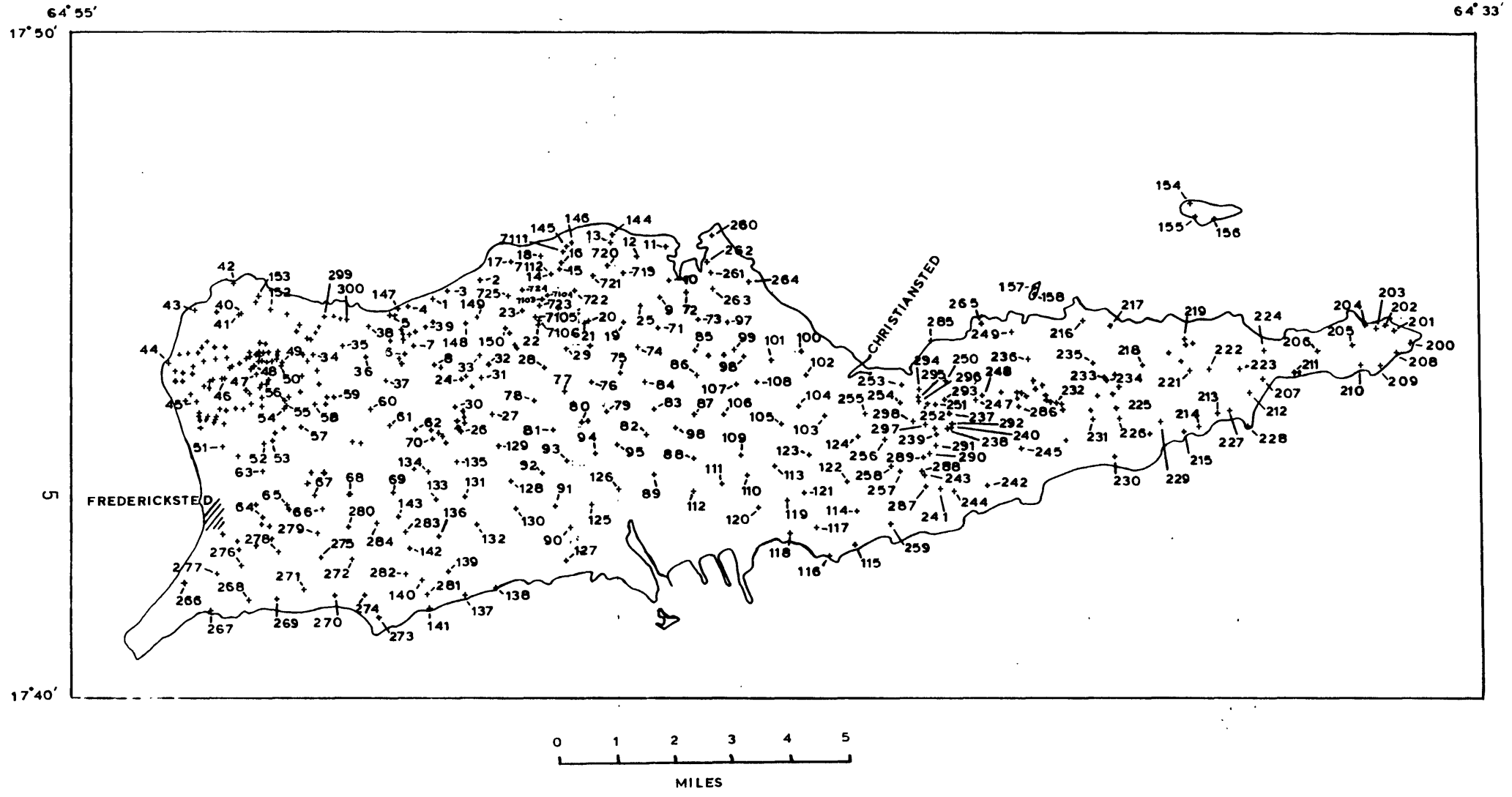

Figure 2. Sampling sites on St. Croix (1984 and 1987).

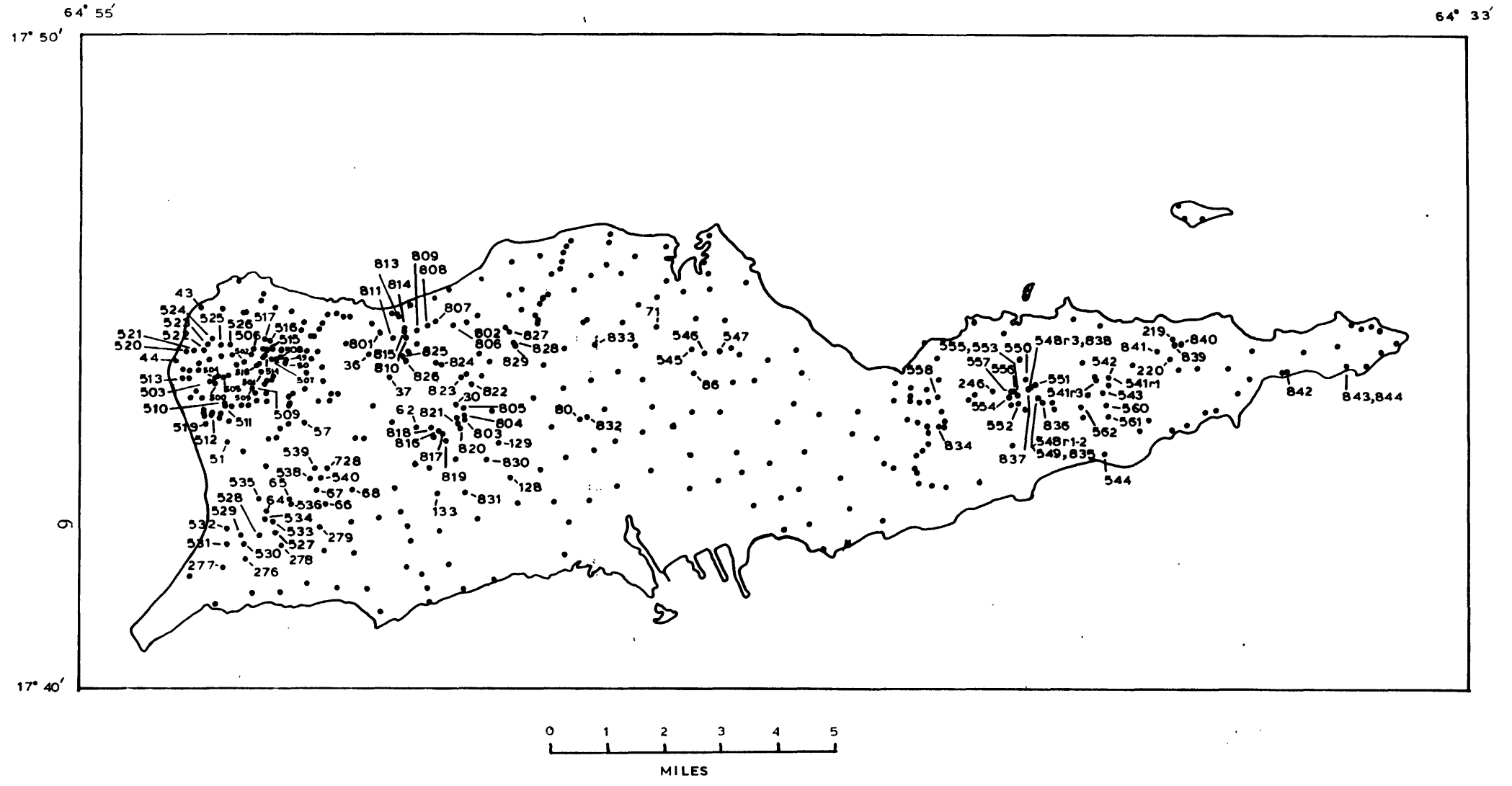

Figure 3. Sampling sites on St. Croix (1986 and 1988).

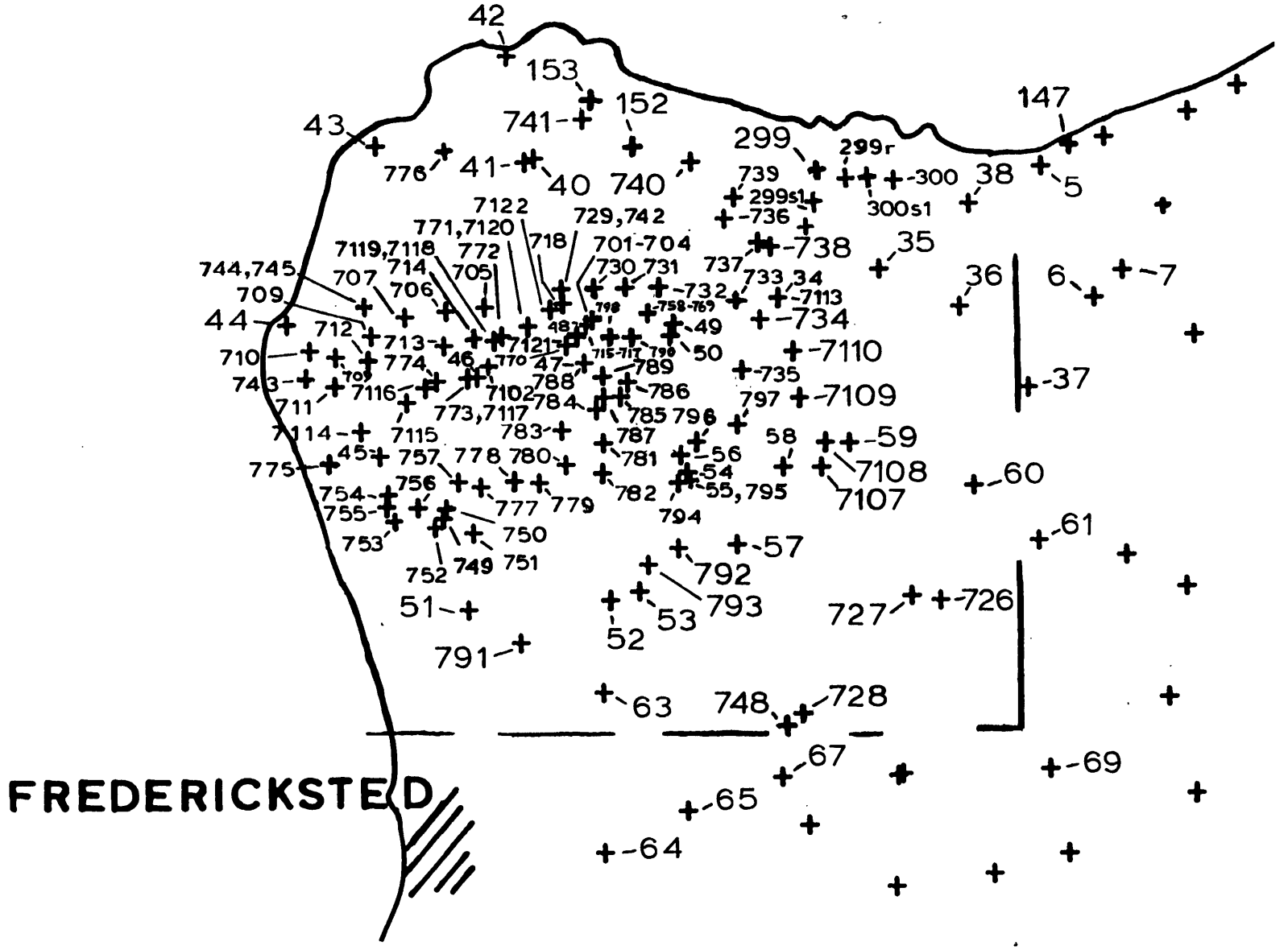

Figure 4. Sampling sites on St. Croix (detailed 1987).

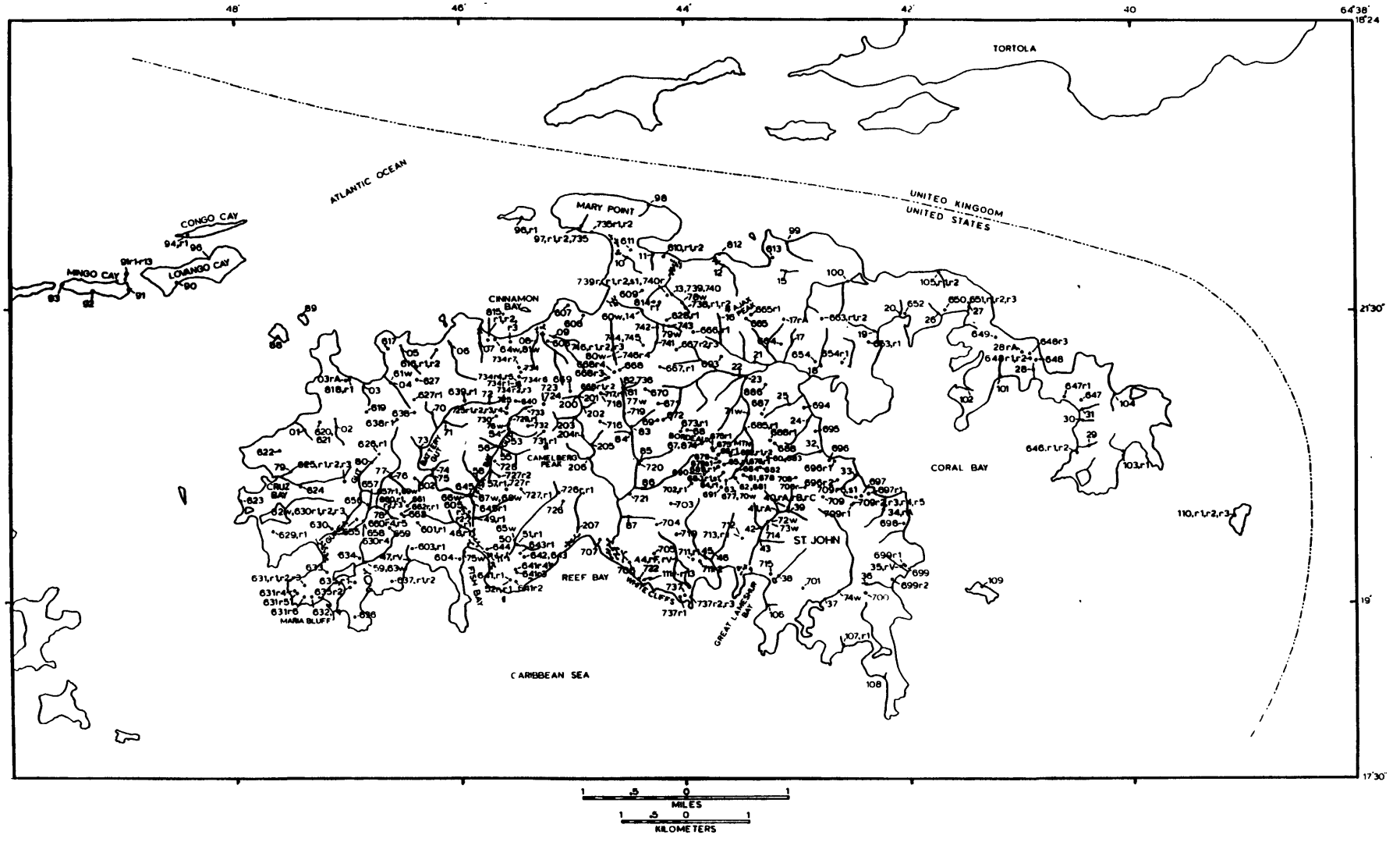

Figure 5. Sampling sites on St. John.

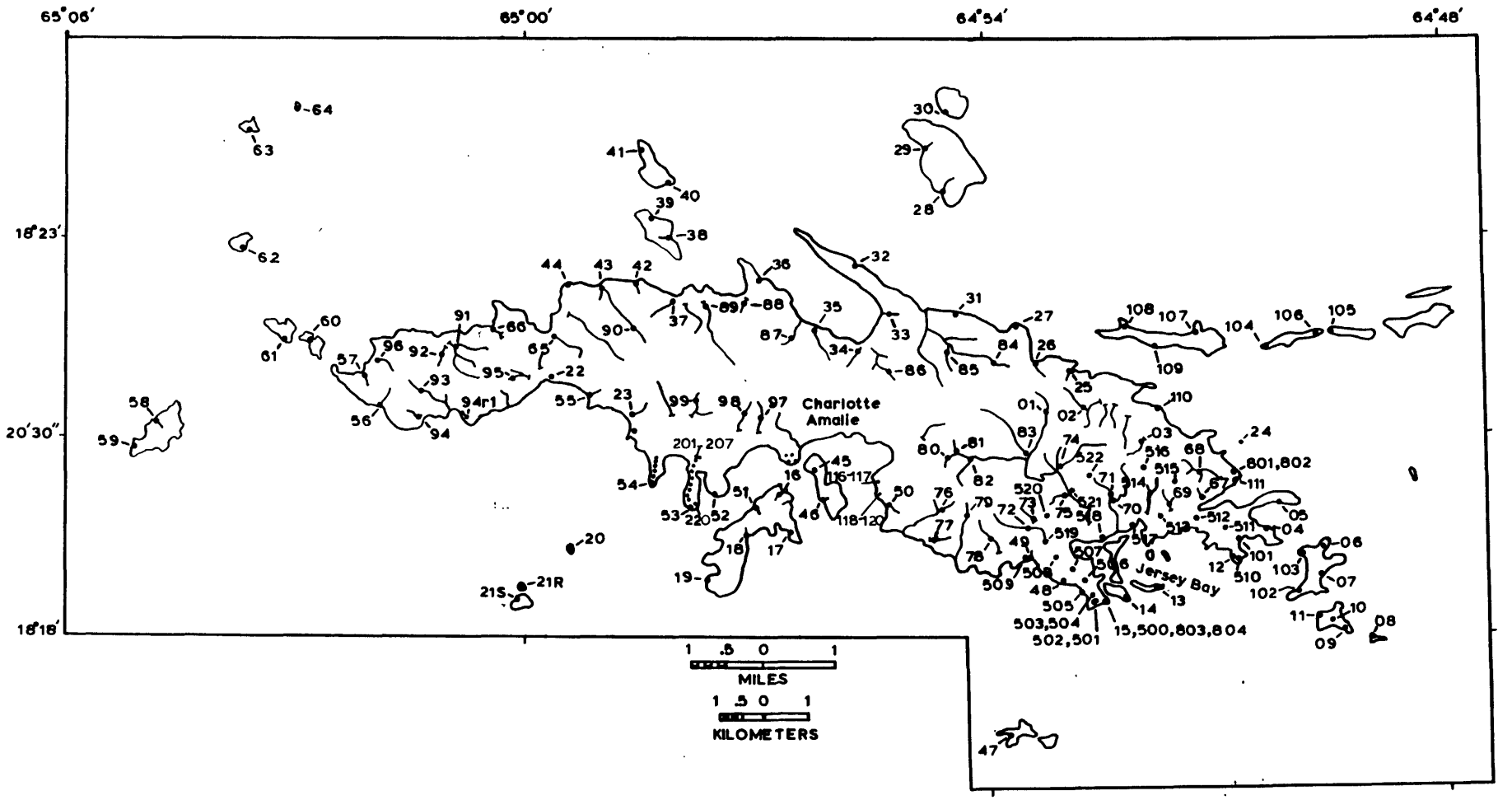

Figure 6. Sampling sites on St. Thomas.

TABLE 1. ANALYTICAL RESULTS FOR 122 ROCK SAMPLES FROM ST. CROIX

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

Sample	LATITUDE	LONGITUD	AU-PPM	AG-PPM	TE-PPM
4SC001R	17 46 1	64 49 21	N	N	N
4SC004R	17 45 54	64 49 44	N	N	N
4SC006R	17 45 11	64 49 47	N	N	N
4SC007R	17 45 18	64 49 39	N	N	N
4SC013R	17 46 51	64 46 35	N	N	N
4SC022R	17 45 37	64 47 42	N	N	N
4SC023R	17 45 50	64 47 57	N	N	N
4SC034R	17 45 10	64 51 13	N	N	N
4SC035R	17 45 18	64 50 46	N	N	N
4SC036R	17 45 8	64 50 24	N	N	N
4SC037R	17 44 47	64 50 5	N	N	N
4SC038R	17 45 36	64 50 21	.05	N	N
4SC040R	17 45 47	64 52 20	N	N	N
4SC046R	17 44 49	64 52 36	N	N	N
4SC048R	17 45 0	64 52 8	N	N	N
4SC054R	17 44 21	64 51 41	N	N	N
4SC058R	17 44 26	64 51 12	N	N	N
4SC060R	17 44 21	64 50 19	N	N	N
4SC063R	17 43 26	64 52 0	N	N	N
4SC065R	17 42 55	64 51 38	N	N	N
4SC067R	17 43 4	64 51 12	N	.5	N
4SC147R	17 45 48	64 49 56	N	N	N
4SC148R	17 45 38	64 48 50	N	N	N
4SC149R	17 45 41	64 48 36	N	N	N
4SC150R	17 45 34	64 48 13	N	<.5	N
4SC152R	17 45 50	64 51 55	N	N	N
4SC153R	17 45 59	64 52 6	N	N	N
4SC156R	17 47 12	64 37 10	N	N	N
4SC200R	17 45 20	64 34 6	N	N	.10
4SC201R	17 45 31	64 34 22	N	.7	N
4SC202R	17 45 36	64 34 31	N	N	N
4SC203R	17 45 34	64 34 39	N	N	N
4SC204R	17 45 38	64 34 48	N	.5	N
4SC205R	17 45 18	64 35 1	N	N	N
4SC206R	17 45 13	64 35 33	N	N	N
4SC208R	17 45 12	64 34 20	N	<.5	N
4SC209R	17 45 0	64 34 35	N	N	N
4SC210R	17 45 1	64 34 53	N	N	N
4SC212R	17 44 36	64 36 37	N	3.0	N
4SC213R	17 44 17	64 37 7	N	<.5	N
4SC215R	17 44 1	64 37 38	N	N	N
4SC216R	17 45 41	64 39 12	N	N	N
4SC218R	17 45 1	64 38 17	N	N	.10
4SC219R	17 45 24	64 37 38	N	N	N
4SC220R	17 45 5	64 37 40	N	N	N

TABLE 1. ANALYTICAL RESULTS FOR 122 ROCK SAMPLES FROM ST. CROIX--Continued

Sample	LATITUDE	LONGITUD	AU-PPM	AG-PPM	TE-PPM
4SC223R	17 44 57	64 36 46	N	N	N
4SC224R	17 45 14	64 36 23	N	.5	N
4SC225R	17 44 33	64 38 59	N	N	N
4SC226R	17 44 13	64 38 39	N	N	N
4SC227R	17 44 20	64 36 56	N	N	N
4SC228R	17 44 6	64 36 39	N	N	N
4SC229R	17 44 10	64 38 0	N	.5	N
4SC230R	17 43 39	64 38 43	N	N	N
4SC231R	17 44 12	64 39 3	N	N	N
4SC235R	17 45 3	64 39 3	N	N	.10
4SC240R	17 44 5	64 41 17	N	N	N
4SC240R	17 44 5	64 41 19	N	N	N
4SC242R	17 43 13	64 40 42	N	N	N
4SC243R	17 43 22	64 41 42	N	N	.10
4SC245R	17 43 46	64 40 10	N	N	N
4SC247R	17 44 30	64 40 53	N	N	N
4SC248R	17 44 34	64 40 47	N	<.5	N
4SC249R	17 45 31	64 40 19	N	N	.20
4SC251R	17 44 26	64 41 39	N	N	N
4SC252R	17 44 28	64 41 47	N	N	N
4SC254R	17 44 27	64 42 4	N	N	N
4SC255R	17 44 17	64 42 37	N	N	N
4SC256R	17 43 54	64 42 19	N	N	N
4SC257R	17 43 25	64 42 4	N	N	N
4SC258R	17 43 30	64 42 13	N	N	N
4SC259R	17 42 38	64 42 14	N	N	N
4SC260R	17 46 58	64 45 0	N	N	N
4SC261R	17 46 24	64 45 1	N	N	N
4SC262R	17 46 34	64 45 4	N	N	.40
4SC264R	17 46 16	64 44 25	N	N	N
4SC264R	17 46 13	64 44 22	N	N	N
4SC267R	17 41 19	64 52 49	N	N	N
4SC277R	17 41 52	64 52 43	N	N	N
4SC285R	17 45 23	64 41 35	N	N	N
4SC286R	17 44 24	64 40 13	N	<.5	N
4SC287R	17 43 12	64 41 40	N	N	N
4SC288R	17 43 26	64 41 44	N	N	N
4SC289R	17 43 38	64 41 42	N	N	N
4SC290R	17 43 41	64 41 36	N	N	N
4SC291R	17 43 49	64 41 30	N	N	N
4SC293R	17 44 26	64 41 31	N	N	N
4SC294R	17 44 39	64 41 46	N	N	N
4SC295R	17 44 32	64 41 47	N	N	N
4SC297R	17 44 8	64 41 40	N	<.5	N
4SC298R	17 44 10	64 41 52	N	.5	N

TABLE 1. ANALYTICAL RESULTS FOR 122 ROCK SAMPLES FROM ST. CROIX--Continued

Sample	LATITUDE	LONGITUD	AU-PPM	AG-PPM	TE-PPM
4SC299R	17 45 45	64 51 2	N	N	N
6SC514R	17 45 35	64 34 25	N	N	N
6SC516R	17 44 57	64 35 29	N	N	N
6SC517R	17 44 57	64 35 29	N	N	N
6SC500R	17 44 40	64 52 50	N	N	N
6SC501R	17 44 58	64 52 14	N	N	N
6SC502R	17 45 3	64 52 19	N	N	N
6SC504R	17 44 45	64 52 48	N	N	N
6SC505R	17 44 49	64 52 38	N	N	N
6SC506R	17 45 13	64 52 18	N	N	N
6SC507R	17 45 4	64 51 55	N	N	N
6SC508R	17 45 1	64 51 49	N	N	N
6SC509R	17 44 37	64 52 14	N	N	N
6SC513R	17 44 48	64 53 22	N	N	N
6SC515R	17 45 12	64 52 2	N	N	N
6SC519R	17 44 0	64 52 56	N	N	N
6SC520R	17 45 14	64 53 19	N	N	N
6SC521R	17 45 14	64 53 9	N	N	N
6SC522R	17 45 16	64 53 1	N	N	N
6SC523R	17 45 18	64 52 58	N	N	N
6SC524R	17 45 25	64 52 54	N	N	N
6SC525R	17 45 18	64 52 45	N	N	N
6SC534R	17 42 32	64 52 2	N	N	N
6SC535R	17 42 57	64 52 3	N	N	N
6SC536R	17 42 50	64 51 35	N	N	N
6SC538R	17 43 16	64 51 24	N	N	N
6SC539R	17 43 22	64 51 15	N	N	N
6SC540R	17 43 14	64 51 9	N	N	N
6SC547R	17 45 9	64 44 47	N	N	N
6SC551R	17 44 40	64 39 46	1.50	N	N
6SC553R	17 44 34	64 40 7	N	N	N
6SC557R	17 44 43	64 40 6	N	N	N

TABLE 2. LOW LEVEL GOLD ANALYSES FOR 87 ROCK SAMPLES FROM ST. CROIX

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

Sample	Latitude	Longtude	AU(PPB)	TE(PPM)	AG(PPM)
7SC003R	17 45 13	64 52 4	2	N	N
7SC005R	17 45 7	64 52 34	3	.10	N
7SC006R	17 45 6	64 52 44	3	N	.5
7SC007R	17 45 4	64 52 55	2	N	N
7SC007R1	17 45 4	64 52 55	4	.11	<.5
7SC007R3	17 45 4	64 52 55	20	N	N
7SC007R4	17 45 4	64 52 55	5	N	N
7SC008R	17 45 0	64 53 5	1	N	N
7SC009R	17 44 54	64 53 15	1	N	.5
7SC013R	17 44 55	64 52 47	3	N	1.0
7SC013R	17 44 55	64 52 47	3	N	1.0
7SC014R	17 45 0	64 52 39	2	N	N
7SC017R	17 45 12	64 52 8	2	N	.5
7SC017R1	17 45 12	64 52 8	2	N	.5
7SC019R	17 46 24	64 46 23	5	N	N
7SC020R	17 46 30	64 46 37	3	N	N
7SC021R	17 46 21	64 46 51	3	N	N
7SC022R	17 46 8	64 47 8	2	N	N
7SC023R	17 45 54	64 47 41	5	N	N
7SC023R1	17 45 54	64 47 41	3	N	N
7SC023R2	17 45 54	64 47 41	3	N	N
7SC023R3	17 45 54	64 47 41	4	N	N
7SC024R	17 46 8	64 47 57	1	N	N
7SC025R	17 46 7	64 48 10	2	N	N
7SC031R	17 45 5	64 52 1	3	N	<.5
7SC036R	17 45 31	64 51 28	<1	N	N
7SC037R	17 45 25	64 51 19	1	N	N
7SC039R	17 45 37	64 51 25	1	N	N
7SC040R	17 45 46	64 51 37	1	N	N
7SC041R	17 45 57	64 52 7	1	N	N
7SC043R	17 44 47	64 53 24	28	N	N
7SC044R	17 45 15	64 53 9	<1	N	N
7SC048R	17 43 15	64 51 16	4	N	N
7SC048R3	17 43 15	64 51 16	47	.21	N
7SC053R	17 44 10	64 52 57	1	N	N
7SC053R1	17 44 10	64 52 57	<1	N	N
7SC071R	17 45 0	64 52 21	2	N	N
7SC072R	17 44 58	64 52 28	2	N	N
7SC073R	17 44 50	64 52 40	1	N	N
7SC074R	17 44 48	64 52 47	5	N	<.5
7SC075R	17 44 25	64 53 19	1	N	N
7SC078R	17 44 22	64 52 25	5	N	N
7SC088R	17 44 54	64 52 0	2	N	N
7SC094R	17 44 17	64 51 40	4	N	N
7SC095R	17 44 26	64 51 39	<1	N	N

TABLE 2. LOW LEVEL GOLD ANALYSES FOR 87 ROCK SAMPLES FROM ST. CROIX--Continued

Sample	Latitude	Longtude	AU(PPB)	TE(PPM)	AG(PPM)
7SC096R	17 44 32	64 51 36	<1	N	N
7SC097R	17 44 37	64 51 25	8	.26	N
7SC098R	17 44 59	64 51 59	1	N	N
7SC099R	17 45 0	64 52 8	1	N	N
7SC102R	17 44 51	64 52 36	1	N	N
7SC105R	17 45 44	64 47 45	5	N	N
7SC106R	17 45 41	64 47 41	30	N	N
7SC122R	17 45 7	64 52 16	18	N	<.5
7SC042R	17 45 12	64 52 9	2	N	N
7SC045R	17 45 14	64 53 9	1	N	N
7SC066R	17 45 5	64 51 45	<1	N	N
7SC070R	17 44 57	64 52 15	1	N	N
7SC076R	17 45 50	64 52 43	1	N	N
7SC103R	17 46 4	64 47 32	2	N	N
7SC103R1	17 46 4	64 47 32	6	N	N
7SC113R	17 45 10	64 51 13	1	N	N
8SC001R	17 45 30	64 50 16	1	--	N
8SC002R	17 45 33	64 49 13	7	--	N
8SC005R	17 44 19	64 48 52	3	--	N
8SC007R	17 45 36	64 49 26	1	--	N
8SC008R	17 45 36	64 49 36	4	--	N
8SC009R	17 45 36	64 49 46	1	--	.5
8SC010R	17 45 33	64 49 54	3	--	N
8SC012R	17 45 33	64 49 54	1	--	N
8SC014R	17 45 37	64 49 55	2	--	N
8SC017R	17 43 55	64 49 10	1	--	N
8SC027R	17 45 30	64 48 10	2	--	N
8SC029R	17 45 25	64 48 0	180	--	.7
8SC031R	17 43 3	64 48 56	2	--	N
8SC032R	17 44 5	64 47 18	1	--	N
8SC033R	17 45 21	64 46 21	1	--	N
8SC034R	17 44 6	64 41 28	1	--	N
8SC035R	17 44 31	64 39 50	3	--	N
8SC036R	17 44 33	64 39 46	<1	--	N
8SC037R	17 44 38	64 39 54	1	--	N
8SC038R	17 44 41	64 39 52	<1	--	N
8SC039R	17 45 22	64 37 36	1	--	N
8SC040R	17 45 18	64 37 26	7	--	1.0
8SC041R	17 45 12	64 37 47	5	--	N
8SC042R	17 44 53	64 35 53	<1	--	N
8SC043R	17 44 57	64 35 26	<1	--	N
8SC044R	17 44 57	64 35 22	<1	--	N

TABLE 3. ANALYTICAL RESULTS FOR 369 SOIL SAMPLES FROM ST. CROIX

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

Sample	LATITUDE	LONGITUD	AU=PPB	AG-PPM
4SC001S	17 46 1	64 49 21	2	N
4SC002S	17 46 17	64 48 37	2	N
4SC003S	17 46 8	64 49 7	2	N
4SC004S	17 45 54	64 49 44	3	N
4SC005S	17 45 46	64 50 1	13	N
4SC006S	17 45 11	64 49 47	2	N
4SC007S	17 45 18	64 49 39	25	N
4SC008S	17 45 1	64 49 19	21	N
4SC009S	17 46 2	64 45 49	6	N
4SC010S	17 46 17	64 45 40	2	N
4SC011S	17 46 47	64 45 43	2	N
4SC012S	17 46 39	64 46 10	1	N
4SC013S	17 46 51	64 46 35	4	N
4SC014S	17 46 23	64 47 30	5	N
4SC015S	17 46 27	64 47 22	2	N
4SC016S	17 46 33	64 47 20	3	N
4SC017S	17 46 34	64 48 7	1	N
4SC018S	17 46 39	64 47 39	2	N
4SC019S	17 45 39	64 46 22	3	N
4SC020S	17 45 40	64 46 55	2	N
4SC021S	17 45 38	64 46 59	2	N
4SC022S	17 45 37	64 47 42	3	N
4SC023S	17 45 50	64 47 57	2	N
4SC024S	17 44 48	64 48 54	210	N
4SC025S	17 45 54	64 46 7	4	N
4SC026S	17 44 1	64 48 55	510	N
4SC027S	17 44 18	64 48 24	5	N
4SC028S	17 44 59	64 47 37	10	N
4SC029S	17 45 16	64 47 16	26	N
4SC030S	17 44 23	64 49 0	2	N
4SC031S	17 44 50	64 48 35	4	N
4SC032S	17 45 2	64 48 26	4	N
4SC033S	17 45 10	64 48 37	7	N
4SC034S	17 45 10	64 51 13	3	N
4SC035S	17 45 18	64 50 46	1	N
4SC036S	17 45 8	64 50 24	5	N
4SC037S	17 44 47	64 50 5	1	N
4SC038S	17 45 36	64 50 21	15	N
4SC039S	17 45 37	64 49 25	5	N
4SC040S	17 45 47	64 52 20	1	<.5
4SC041S	17 45 46	64 52 23	3	<.5
4SC042S	17 46 14	64 52 28	1	N
4SC043S	17 45 50	64 53 4	2	N
4SC044S	17 45 2	64 53 28	2	N
4SC045S	17 44 28	64 53 2	3	.5
4SC046S	17 44 49	64 52 36	<1	.5
4SC047S	17 44 53	64 52 6	2	N
4SC048S	17 45 0	64 52 8	2	<.5
4SC049S	17 45 3	64 51 42	<1	N
4SC050S	17 45 0	64 51 43	<1	1.0
4SC051S	17 43 47	64 52 38	<1	N
4SC052S	17 43 50	64 51 59	1	N
4SC053S	17 43 53	64 51 51	6	N
4SC054S	17 44 21	64 51 41	8	N
4SC055S	17 44 24	64 51 38	1	N
4SC056S	17 44 29	64 51 40	2	N
4SC057S	17 44 5	64 51 24	1	N
4SC058S	17 44 26	64 51 12	2	N
4SC059S	17 44 32	64 50 53	2	N
4SC060S	17 44 21	64 50 19	2	N
4SC061S	17 44 7	64 50 2	7	.7
4SC062S	17 44 3	64 49 38	4	N
4SC063S	17 43 26	64 52 0	2	N
4SC064S	17 42 43	64 52 0	1	N
4SC065S	17 42 55	64 51 38	2	N
4SC066S	17 42 51	64 51 4	2	N
4SC067S	17 43 4	64 51 12	2	N
4SC068S	17 43 4	64 50 40	2	N
4SC069S	17 43 6	64 49 58	1	N
4SC070S	17 43 55	64 49 21	5	N
4SC071S	17 45 34	64 45 50	3	N
4SC072S	17 46 6	64 45 24	3	N
4SC073S	17 45 37	64 45 13	1	N
4SC074S	17 45 17	64 46 9	1	N
4SC075S	17 44 54	64 46 26	5	N
4SC076S	17 44 46	64 46 52	9	N
4SC077S	17 44 37	64 47 18	7	N
4SC078S	17 44 29	64 47 46	4	N
4SC079S	17 44 19	64 46 38	4	N
4SC080S	17 44 10	64 47 2	<1	N
4SC081S	17 44 3	64 47 28	7	N
4SC082S	17 43 59	64 46 1	3	N
4SC083S	17 44 21	64 45 54	1	N
4SC084S	17 44 46	64 46 3	2	N
4SC085S	17 45 14	64 45 16	2	N
4SC086S	17 44 52	64 45 14	2	N
4SC087S	17 44 17	64 45 17	2	N
4SC088S	17 43 37	64 45 17	<1	N
4SC089S	17 43 23	64 45 54	2	N
4SC090S	17 42 35	64 47 13	2	N

TABLE 3. ANALYTICAL RESULTS FOR 369 SOIL SAMPLES FROM ST. CROIX--Continued

Sample	LATITUDE	LONGITUD	AU=PPB	AG-PPM
4SC091S	17 42 54	64 47 27	1	N
4SC092S	17 43 25	64 47 37	3	N
4SC093S	17 43 35	64 47 16	2	N
4SC094S	17 43 41	64 46 49	2	N
4SC095S	17 43 50	64 46 29	3	N
4SC096S	17 44 5	64 45 34	2	N
4SC097S	17 45 38	64 44 44	<1	N
4SC098S	17 45 9	64 44 30	1	N
4SC099S	17 45 15	64 44 39	<1	N
4SC100S	17 45 13	64 43 36	36	N
4SC101S	17 45 5	64 44 4	1	N
4SC102S	17 44 52	64 43 32	2	N
4SC103S	17 44 15	64 43 15	25	N
4SC104S	17 44 24	64 43 39	3	N
4SC105S	17 44 8	64 43 55	6	N
4SC106S	17 44 24	64 44 43	1	N
4SC107S	17 44 44	64 44 37	7	N
4SC108S	17 44 46	64 44 18	1	N
4SC109S	17 43 40	64 44 33	1	N
4SC110S	17 43 22	64 44 27	1	N
4SC111S	17 43 14	64 44 51	1	N
4SC112S	17 43 8	64 45 18	1	N
4SC113S	17 43 30	64 44 1	6	N
4SC114S	17 42 49	64 42 45	5	N
4SC115S	17 42 19	64 42 47	1	N
4SC116S	17 42 9	64 43 10	1	N
4SC117S	17 42 35	64 43 23	2	N
4SC118S	17 42 29	64 43 47	1	N
4SC119S	17 42 59	64 43 50	1	N
4SC120S	17 42 53	64 44 16	1	N
4SC121S	17 43 6	64 43 33	2	N
4SC122S	17 43 16	64 42 54	4	N
4SC123S	17 43 40	64 43 29	4	N
4SC124S	17 43 57	64 42 43	2	N
4SC125S	17 42 55	64 46 52	1	N
4SC126S	17 43 9	64 46 27	1	N
4SC127S	17 42 5	64 47 17	7	N
4SC128S	17 43 17	64 48 8	10	N
4SC129S	17 43 48	64 48 20	4	N
4SC130S	17 42 52	64 48 3	2	N
4SC131S	17 43 2	64 48 51	2	N
4SC132S	17 42 37	64 48 40	1	N
4SC133S	17 43 0	64 49 18	3	N
4SC134S	17 43 25	64 49 26	2	N
4SC135S	17 43 34	64 48 59	11	N
4SC136S	17 42 27	64 49 16	2	N
4SC137S	17 41 33	64 48 52	17	.7
4SC138S	17 41 40	64 48 23	4	N
4SC139S	17 41 55	64 49 7	5	N
4SC140S	17 41 47	64 49 31	2	N
4SC141S	17 41 21	64 49 25	3	N
4SC142S	17 42 16	64 49 43	1	N
4SC143S	17 42 44	64 49 53	4	N
4SC148S	17 45 38	64 48 50	6	N
4SC150S	17 45 34	64 48 13	95	N
4SC154S	17 47 26	64 37 32	1	N
4SC156S	17 47 12	64 37 10	4	N
4SC157S	17 46 8	64 39 57	2	N
4SC200S	17 45 20	64 34 6	2	N
4SC200S	17 45 20	64 34 6	1	N
4SC201S	17 45 31	64 34 22	7	N
4SC202S	17 45 36	64 34 31	2	N
4SC203S	17 45 34	64 34 39	4	N
4SC204S	17 45 38	64 34 48	<1	N
4SC205S	17 45 18	64 35 1	1	<.5
4SC206S	17 45 13	64 35 33	3	<.5
4SC207S	17 44 48	64 36 25	14	N
4SC208S	17 45 12	64 34 20	1	<.5
4SC209S	17 45 0	64 34 35	1	N
4SC210S	17 45 1	64 34 53	3	N
4SC211S	17 44 53	64 35 59	1	N
4SC212S	17 44 36	64 36 37	43	N
4SC213S	17 44 17	64 37 7	3	N
4SC214S	17 44 6	64 37 24	5	N
4SC215S	17 44 1	64 37 38	2	N
4SC216S	17 45 41	64 39 12	5	N
4SC217S	17 45 33	64 38 44	2	N
4SC218S	17 45 1	64 38 17	2	N
4SC219S	17 45 24	64 37 38	10	N
4SC220S	17 45 5	64 37 40	1	N
4SC221S	17 44 56	64 37 33	1	N
4SC222S	17 44 57	64 37 15	3	N
4SC223S	17 44 57	64 36 46	10	N
4SC224S	17 45 14	64 36 23	7	N
4SC225S	17 44 33	64 38 59	7	N
4SC226S	17 44 13	64 38 39	8	N
4SC227S	17 44 20	64 36 56	4	N
4SC228S	17 44 6	64 36 39	2	N
4SC229S	17 44 10	64 38 0	2	.5
4SC230S	17 43 39	64 38 43	2	<.5

TABLE 3. ANALYTICAL RESULTS FOR 369 SOIL SAMPLES FROM ST. CROIX--Continued

Sample	LATITUDE	LONGITUD	AU=PPB	AG-PPM
4SC231S	17 44 12	64 39 3	5	N
4SC232S	17 44 26	64 39 33	2	N
4SC233S	17 44 50	64 38 53	2	N
4SC234S	17 44 48	64 38 51	2	N
4SC235S	17 45 3	64 39 3	1	N
4SC236S	17 45 6	64 40 4	2	N
4SC237S	17 44 18	64 41 24	1	N
4SC238S	17 44 2	64 41 31	2	N
4SC239S	17 43 59	64 41 30	1	N
4SC240S	17 44 5	64 41 17	2	N
4SC241S	17 43 10	64 41 27	1	N
4SC242S	17 43 13	64 40 42	1	N
4SC243S	17 43 22	64 41 42	3	N
4SC244S	17 43 8	64 41 14	1	N
4SC245S	17 43 46	64 40 10	1	N
4SC246S	17 44 37	64 40 29	1	N
4SC247S	17 44 30	64 40 53	1	N
4SC248S	17 44 34	64 40 47	4	N
4SC249S	17 45 31	64 40 19	13	N
4SC250S	17 44 47	64 41 22	1	N
4SC251S	17 44 26	64 41 39	2	N
4SC252S	17 44 28	64 41 47	2	N
4SC253S	17 44 43	64 42 2	9	N
4SC254S	17 44 27	64 42 4	2	N
4SC255S	17 44 17	64 42 37	3	N
4SC256S	17 43 54	64 42 19	7	N
4SC257S	17 43 25	64 42 4	3	N
4SC258S	17 43 30	64 42 13	1	N
4SC259S	17 42 38	64 42 14	1	N
4SC260S	17 46 58	64 45 0	53	N
4SC261S	17 46 24	64 45 1	2	N
4SC262S	17 46 34	64 45 4	5	N
4SC263S	17 46 9	64 44 59	2	N
4SC264S	17 46 16	64 44 25	1	N
4SC265S	17 45 31	64 40 42	7	2.0
4SC266S	17 41 43	64 53 15	1	N
4SC267S	17 41 19	64 52 49	<1	N
4SC268S	17 41 29	64 52 14	1	N
4SC269S	17 41 30	64 51 47	1	N
4SC270S	17 41 33	64 50 53	2	N
4SC271S	17 41 38	64 51 22	1	N
4SC272S	17 42 6	64 50 37	3	N
4SC273S	17 41 9	64 50 15	2	N
4SC274S	17 41 33	64 50 25	3	N
4SC275S	17 42 8	64 51 5	1	N
4SC276S	17 42 0	64 52 20	1	N
4SC277S	17 41 52	64 52 43	<1	N
4SC278S	17 42 13	64 51 46	<1	N
4SC279S	17 42 30	64 51 9	2	N
4SC280S	17 42 35	64 50 40	1	N
4SC281S	17 41 34	64 49 27	<1	N
4SC282S	17 41 53	64 49 47	3	N
4SC283S	17 42 30	64 49 47	4	N
4SC284S	17 42 38	64 50 13	2	N
4SC285S	17 45 23	64 41 35	2	N
4SC286S	17 44 24	64 40 13	5	N
4SC287S	17 43 12	64 41 40	<1	N
4SC288S	17 43 26	64 41 44	2	N
4SC289S	17 43 38	64 41 42	4	N
4SC290S	17 43 41	64 41 36	3	N
4SC291S	17 43 49	64 41 30	4	N
4SC292S	17 44 2	64 41 30	3	N
4SC293S	17 44 26	64 41 31	1	N
4SC294S	17 44 39	64 41 46	1	N
4SC295S	17 44 32	64 41 47	1	N
4SC296S	17 44 23	64 41 39	2	N
4SC297S	17 44 8	64 41 40	1	N
4SC298S	17 44 10	64 41 52	3	<.5
4SC300S	17 45 42	64 50 41	1	N
7SC002S	17 45 9	64 52 3	41	N
7SC003S	17 45 13	64 52 4	2	N
7SC005S	17 45 7	64 52 34	3	N
7SC006S	17 45 6	64 52 44	6	1.0
7SC007S	17 45 4	64 52 55	8	<.5
7SC008S	17 45 0	64 53 5	5	<.5
7SC009S	17 44 54	64 53 15	7	<.5
7SC010S	17 44 55	64 53 22	7	N
7SC011S	17 44 46	64 53 15	2	N
7SC012S	17 44 53	64 53 6	2	N
7SC015S	17 45 11	64 52 6	2	1.0
7SC016S	17 45 10	64 52 7	2	.5
7SC018S	17 45 8	64 52 12	1	1.0
7SC019S	17 46 24	64 46 23	1	N
7SC020S	17 46 30	64 46 37	3	N
7SC021S	17 46 21	64 46 51	3	N
7SC022S	17 46 8	64 47 8	2	N
7SC023S	17 45 54	64 47 41	3	N
7SC024S	17 46 8	64 47 57	3	N
7SC026S	17 43 51	64 50 28	9	N
7SC027S	17 43 52	64 50 36	2	N

TABLE 3. ANALYTICAL RESULTS FOR 369 SOIL SAMPLES FROM ST. CROIX--Continued

Sample	LATITUDE	LONGITUD	AU=PPB	AG-PPM
7SC028S	17 43 5	64 50 38	2	N
7SC029S	17 45 12	64 52 13	2	N
7SC031S	17 45 11	64 51 53	1	<.5
7SC032S	17 45 13	64 51 46	2	<.5
7SC034S	17 45 4	64 51 18	1	N
7SC035S	17 44 51	64 51 23	7	N
7SC036S	17 45 31	64 51 28	31	N
7SC037S	17 45 25	64 51 19	<1	N
7SC038S	17 45 24	64 51 15	3	N
7SC039S	17 45 37	64 51 25	1	N
7SC040S	17 45 46	64 51 37	3	N
7SC041S	17 45 57	64 52 7	1	<.5
7SC042S	17 45 12	64 52 9	1	N
7SC049S	17 44 9	64 52 53	1	N
7SC050S	17 44 14	64 52 44	<1	N
7SC051S	17 44 8	64 52 37	1	N
7SC052S	17 44 12	64 52 45	<1	N
7SC054S	17 44 18	64 53 0	1	N
7SC055S	17 44 15	64 53 0	1	N
7SC056S	17 44 14	64 52 52	2	N
7SC057S	17 44 21	64 52 41	3	1.0
7SC058S	17 45 6	64 51 47	1	<.5
7SC058S	17 45 10	64 51 48	1	<.5
7SC059S	17 45 9	64 51 48	3	N
7SC060S	17 45 8	64 51 47	1	N
7SC061S	17 45 7	64 51 47	1	N
7SC063S	17 45 4	64 51 47	1	<.5
7SC064S	17 45 3	64 51 47	2	N
7SC065S	17 45 2	64 51 48	59	N
7SC066S	17 45 5	64 51 45	1	N
7SC067S	17 45 5	64 51 46	<1	N
7SC068S	17 45 5	64 51 49	1	N
7SC069S	17 45 5	64 51 51	1	<.5
7SC074S	17 44 48	64 52 47	2	<.5
7SC077S	17 44 20	64 52 35	3	N
7SC078S	17 44 22	64 52 25	9	1.0
7SC079S	17 44 21	64 52 19	3	N
7SC080S	17 44 26	64 52 11	4	.7
7SC081S	17 44 32	64 52 1	3	N
7SC082S	17 44 24	64 52 1	2	<.5
7SC083S	17 44 35	64 52 12	3	<.5
7SC084S	17 44 40	64 52 3	1	N
7SC085S	17 44 44	64 51 56	1	N
7SC086S	17 44 48	64 51 54	2	N
7SC087S	17 44 44	64 52 1	10	N
7SC091S	17 43 39	64 52 23	1	N
7SC092S	17 44 4	64 51 40	2	N
7SC093S	17 44 0	64 51 48	5	<.5
7SC096S	17 44 32	64 51 36	6	N
7SC097S	17 44 37	64 51 25	3	N
7SC099S	17 45 0	64 52 8	1	N
7SC100S	17 45 4	64 52 4	5	N
7SC104S	17 46 0	64 47 35	3	<.5
7SC105S	17 45 44	64 47 45	2	N
7SC106S	17 45 41	64 47 41	2	N
7SC107S	17 44 26	64 51 1	2	N
7SC108S	17 44 32	64 51 0	4	N
7SC109S	17 44 44	64 51 7	3	N
7SC110S	17 44 56	64 51 9	10	N
7SC111S	17 46 52	64 47 8	5	N
7SC112S	17 46 23	64 47 30	4	N
7SC113S	17 45 10	64 51 13	6	N
7SC114S	17 44 34	64 53 7	1	N
7SC115S	17 44 42	64 52 55	4	N
7SC116S	17 44 46	64 52 50	3	N
7SC117S	17 44 48	64 52 39	3	<.5
7SC118S	17 44 58	64 52 31	3	N
7SC119S	17 45 0	64 52 29	2	N
7SC120S	17 45 2	64 52 22	3	N
7SC121S	17 44 57	64 52 11	3	.5
7SC122S	17 45 7	64 52 16	2	<.5
8SC001S	17 45 30	64 50 16	8	N
8SC002S	17 45 33	64 49 13	2	N
8SC003S	17 44 7	64 48 50	6	N
8SC004S	17 44 13	64 48 52	2	N
8SC005S	17 44 19	64 48 52	1	N
8SC007S	17 45 36	64 49 26	1	N
8SC008S	17 45 36	64 49 36	7	N
8SC009S	17 45 36	64 49 46	5	N
8SC010S	17 45 33	64 49 54	5	N
8SC011S	17 45 29	64 50 5	3	N
8SC013S	17 45 44	64 49 53	9	N
8SC014S	17 45 37	64 49 55	3	N
8SC015S	17 45 32	64 49 56	2	N
8SC016S	17 44 0	64 49 15	1	N
8SC017S	17 43 55	64 49 10	1	N
8SC018S	17 44 10	64 49 22	2	N
8SC019S	17 43 51	64 49 4	2	N
8SC020S	17 44 2	64 48 59	2	N
8SC021S	17 44 10	64 49 0	2	N

TABLE 3. ANALYTICAL RESULTS FOR 369 SOIL SAMPLES FROM ST. CROIX--Continued

Sample	LATITUDE	LONGITUD	AU=PPB	AG-PPM
8SC022S	17 44 44	64 48 43	5	N
8SC023S	17 44 49	64 48 52	15	N
8SC024S	17 45 3	64 49 7	5	N
8SC025S	17 45 9	64 49 51	5	N
8SC026S	17 45 7	64 49 48	5	N
8SC027S	17 45 30	64 48 10	9	N
8SC028S	17 45 18	64 48 2	1	N
8SC029S	17 45 25	64 48 0	20	N
8SC030S	17 43 33	64 48 30	30	N

TABLE 4. ANALYTICAL RESULTS FOR 494 ROCK SAMPLES FROM ST. JOHN

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

Sample	LATITUDE	LONGTUDE	AU(PPM)	AG(PPM)	TE(PPM)
84SJ001R	18 20 27	64 47 22	N	N	N
SJ002R	18 20 29	64 47 6	N	N	N
SJ003R	18 20 49	64 46 51	N	N	N
SJ003RA	18 20 49	64 46 51	N	N	N
SJ004R	18 20 53	64 46 36	N	N	N
SJ005R	18 21 8	64 46 30	N	N	N
SJ006R	18 21 12	64 46 5	N	N	N
SJ007R	18 21 12	64 45 49	N	N	N
SJ008R	18 21 12	64 45 21	N	N	N
SJ009R	18 21 16	64 45 9	N	N	N
SJ010R	18 21 57	64 44 29	N	N	.10
SJ012R	18 21 54	64 43 40	N	N	N
SJ013R	18 21 38	64 44 6	N	N	N
SJ014R	18 21 28	64 44 22	N	.7	N
SJ016R	18 21 27	64 43 42	N	N	N
SJ017R	18 21 15	64 43 2	N	N	N
SJ017RA	18 21 15	64 43 2	N	N	N
SJ017RX	18 21 15	64 43 2	N	N	N
SJ020R	18 21 30	64 42 4	N	N	N
SJ024R	18 20 32	64 42 55	N	N	N
SJ026R	18 21 22	64 53 21	N	N	N
SJ027R	18 21 33	64 41 27	N	N	N
SJ028R	18 21 9	64 40 59	N	N	N
SJ028RA	18 21 9	64 40 59	N	N	.20
SJ029R	18 20 20	64 40 23	N	N	N
SJ030R	18 20 33	64 40 26	N	N	N
SJ031R	18 20 43	64 40 27	N	N	N
SJ032R	18 20 17	64 42 49	N	N	N
SJ033R	18 20 3	64 42 31	N	N	N
SJ034R	18 19 44	64 42 14	N	N	N
SJ034RA	18 19 44	64 42 14	N	N	N
SJ035R	18 19 19	64 42 5	N	N	N
SJ035RV	18 19 19	64 42 5	N	N	N
SJ036R	18 19 10	64 42 23	N	N	N
SJ037R	18 19 3	64 42 45	N	N	N
SJ040R	18 19 50	64 43 5	N	N	N
SJ040RA	18 19 50	64 43 5	N	N	N
SJ040RB	18 19 50	64 43 5	N	N	N
SJ040RC	18 19 50	64 43 5	N	N	N
SJ041R	18 19 49	64 43 11	N	N	N
SJ041RA	18 19 49	64 43 11	N	N	N
SJ044R	18 19 24	64 44 4	N	N	N
SJ044RV	18 19 24	64 44 4	N	<.5	1.6
SJ044RF	18 19 24	64 44 4	N	N	N
SJ047R	18 16 44	64 53 46	N	N	N

TABLE 4. ANALYTICAL RESULTS FOR 494 ROCK SAMPLES FROM ST. JOHN--Continued

Sample	LATITUDE	LONGTUDE	AU(PPM)	AG(PPM)	TE(PPM)
SJ047RV	18 16 44	64 53 46	N	N	N
SJ048R	18 19 39	64 45 57	N	N	N
SJ048R1	18 19 39	64 45 57	N	N	N
SJ049R	18 19 44	64 45 48	N	N	N
SJ049R1	18 19 44	64 45 48	N	N	N
SJ050R	18 19 35	64 45 30	N	3.0	N
SJ051R	18 19 29	64 45 27	N	<.5	.40
SJ051R1	18 19 29	64 45 27	N	<.5	2.6
SJ052R	18 19 13	64 45 34	N	3.0	1.6
SJ052R1	18 19 13	64 45 34	N	N	1.2
SJ053R	18 20 27	64 45 32	N	N	N
SJ054R	18 20 29	64 45 34	N	N	N
SJ055R	18 20 19	64 45 36	N	N	N
SJ056R	18 20 21	64 45 41	N	N	N
SJ057R	18 20 7	64 45 42	N	N	N
SJ057R1	18 20 7	64 45 42	N	N	N
SJ058R	18 20 4	64 45 51	N	N	N
SJ059R	18 19 22	64 46 48	N	N	N
SJ060R	18 20 15	64 43 17	N	.7	N
SJ061R	18 20 5	64 43 29	N	N	N
SJ062R	18 20 4	64 43 34	N	N	N
SJ063R	18 20 2	64 43 39	N	N	N
SJ064R	18 20 8	64 43 40	N	N	N
SJ064R1	18 20 8	64 43 40	N	5.0	.10
SJ065R	18 20 11	64 43 40	.45	200.0	9.7
SJ065R1	18 20 11	64 43 40	N	7.0	3.3
SJ066R	18 20 16	64 43 42	.05	N	22.
SJ066R1	18 20 16	64 43 42	.25	150.0	N
SJ068R	18 20 29	64 43 59	N	N	N
SJ069R	18 20 33	64 44 15	N	N	N
SJ070R	18 20 39	64 46 18	N	N	N
SJ071R	18 20 32	64 46 7	N	N	N
SJ073R	18 20 20	64 46 22	N	N	N
SJ074R	18 20 9	64 46 13	N	N	N
SJ075R	18 20 5	64 46 16	N	N	N
SJ076R	18 20 4	64 46 37	N	N	.10
SJ077R	18 20 7	64 46 36	N	N	N
SJ078R	18 19 47	64 46 40	N	N	N
SJ079R	18 20 10	64 47 27	N	N	N
SJ080R	18 20 12	64 46 46	N	N	N
SJ081R	18 20 50	64 44 31	N	N	N
SJ082R	18 20 51	64 44 32	N	N	N
SJ086R	18 19 58	64 44 23	N	N	N
SJ087R	18 19 44	64 44 27	N	N	N
SJ088R	18 21 17	64 47 36	N	N	N

TABLE 4. ANALYTICAL RESULTS FOR 494 ROCK SAMPLES FROM ST. JOHN--Continued

Sample	LATITUDE	LONGTUDE	AU(PPM)	AG(PPM)	TE(PPM)
SJ089R	18 21 28	64 47 24	N	N	N
SJ090R	18 21 45	64 48 31	N	N	N
SJ091R	18 21 38	64 49 0	N	N	N
SJ091R1	18 21 38	64 49 0	N	N	N
SJ091R2	18 21 38	64 49 0	N	N	N
SJ091R3	18 21 38	64 49 0	N	30.0	N
SJ091R4	18 21 38	64 49 0	N	N	N
SJ091R5	18 21 38	64 49 0	N	.5	N
SJ091R6	18 21 38	64 49 0	N	N	N
SJ091R7	18 21 38	64 49 0	N	N	N
SJ091R9	18 21 38	64 49 0	.05	N	N
SJ091R10	18 21 38	64 49 0	N	N	N
SJ091R11	18 21 38	64 49 0	N	3.0	N
SJ091R12	18 21 38	64 49 0	N	N	N
SJ091R13	18 21 38	64 49 0	N	N	N
SJ091R15	18 21 38	64 49 0	N	N	N
SJ091R16	18 21 38	64 49 0	N	N	N
SJ091R17	18 21 38	64 49 0	N	N	N
SJ091R18	18 21 38	64 49 0	N	N	N
SJ093R	18 21 43	64 49 31	N	N	N
SJ094R	18 22 9	64 48 25	N	N	N
SJ094R1	18 22 9	64 48 25	N	N	.10
SJ095R	18 21 55	64 48 12	N	N	N
SJ096R	18 22 18	64 45 26	N	N	N
SJ096R1	18 22 18	64 45 26	N	N	N
SJ097R	18 22 13	64 44 55	N	N	N
SJ097R1	18 22 13	64 44 55	N	N	N
SJ097R2	18 22 13	64 44 55	N	N	N
SJ098R	18 22 21	64 44 20	N	N	N
SJ099R	18 22 3	64 43 5	N	N	N
SJ100R	18 21 44	64 42 32	N	N	N
SJ101R	18 20 58	64 41 11	N	N	N
SJ103R	18 20 18	64 40 6	N	N	N
SJ103RA	18 20 18	64 40 6	N	N	.20
SJ104R	18 20 44	64 40 10	N	N	.10
SJ105R	18 21 48	64 41 43	N	N	N
SJ105R1	18 21 48	64 41 43	N	.5	N
SJ105R2	18 21 48	64 41 43	N	N	N
SJ106R	18 18 59	64 43 15	N	N	N
SJ107R	18 18 40	64 42 36	N	N	N
SJ107R1	18 18 40	64 42 36	N	N	N
SJ108R	18 18 22	64 42 13	N	N	N
SJ109R	18 19 8	64 41 21	N	N	N
SJ110R	18 19 43	64 39 5	N	N	N
SJ110R1	18 19 43	64 39 5	N	N	N

TABLE 4. ANALYTICAL RESULTS FOR 494 ROCK SAMPLES FROM ST. JOHN--Continued

Sample	LATITUDE	LONGTUDE	AU(PPM)	AG(PPM)	TE(PPM)
SJ110R2	18 19 43	64 39 5	N	N	N
SJ110R3	18 19 43	64 39 5	N	N	N
SJ111R	18 19 11	64 44 21	N	N	.10
SJ111R1	18 19 15	64 44 27	N	1.0	5.9
SJ111R2	18 19 15	64 44 27	N	<.5	9.4
SJ111R4	18 19 15	64 44 27	N	N	.80
SJ111R5	18 19 15	64 44 27	.60	N	5.2
SJ111R6	18 19 15	64 44 27	.05	N	N
SJ111R7	18 19 11	64 44 21	.05	N	.90
SJ111R8	18 19 11	64 44 21	N	N	N
SJ111R9	18 19 11	64 44 21	N	N	3.2
SJ111R10	18 19 11	64 44 21	N	.7	.20
SJ111R11	18 19 11	64 44 21	N	1.5	1.2
SJ111R12	18 19 11	64 44 21	N	N	N
SJ111R13	18 19 11	64 44 21	N	1.5	.40
SJ201R	18 20 47	64 44 56	N	N	N
SJ202R	18 20 40	64 44 52	N	N	N
SJ203R	18 20 35	64 44 59	N	N	N
SJ204R	18 20 26	64 44 55	.05	N	N
SJ205R	18 20 22	64 44 48	N	N	N
SJ206R	18 20 14	64 44 52	N	N	N
SJ207R	18 19 38	64 44 56	N	N	N
SJ601R	18 19 43	64 46 23	N	N	N
SJ601R1	18 19 43	64 46 23	N	N	N
SJ602R	18 20 5	64 46 24	N	N	N
SJ603R	18 19 29	64 46 26	N	N	N
SJ603R1	18 19 29	64 46 26	N	N	N
SJ604R	18 19 24	64 46 0	N	N	N
SJ604R1	18 19 24	64 46 0	N	N	N
SJ605R	18 19 47	64 45 55	N	N	N
SJ605R1	18 19 47	64 45 55	N	N	N
SJ605R2	18 19 45	64 45 55	N	N	N
SJ605R3	18 19 46	64 45 56	N	N	N
SJ606R	18 21 14	64 45 13	N	N	N
SJ607R	18 21 33	64 45 2	N	N	N
SJ608R	18 21 27	64 44 54	N	N	N
SJ608R1	18 21 27	64 44 54	N	N	N
SJ608R2	18 21 27	64 44 54	N	N	N
SJ609R	18 21 41	64 44 23	N	N	N
SJ610R	18 21 58	64 44 11	N	N	N
SJ610R1	18 21 58	64 44 11	.05	N	N
SJ610R2	18 21 58	64 44 11	N	N	.10
SJ611R	18 22 2	64 44 29	N	N	N
SJ612R	18 21 59	64 43 41	N	N	N
SJ613R	18 21 57	64 43 12	N	1.0	N

TABLE 4. ANALYTICAL RESULTS FOR 494 ROCK SAMPLES FROM ST. JOHN--Continued

Sample	LATITUDE	LONGTUDE	AU(PPM)	AG(PPM)	TE(PPM)
SJ614R	18 21 35	64 44 16	N	N	N
SJ614R1	18 21 35	64 44 14	N	N	N
SJ615R	18 21 14	64 45 45	N	N	N
SJ615R1	18 21 14	64 45 45	N	N	N
SJ615R2	18 21 14	64 45 45	N	N	N
SJ615R3	18 21 13	64 45 33	N	N	N
SJ616R	18 21 11	64 46 6	N	N	N
SJ616R1	18 21 10	64 46 13	N	N	N
SJ616R2	18 21 10	64 46 13	N	N	N
SJ617R	18 21 10	64 46 38	N	N	N
SJ618R	18 20 55	64 46 59	N	N	N
SJ618R1	18 20 55	64 46 59	N	N	N
SJ619R	18 20 39	64 46 50	N	N	N
SJ620R	18 20 34	64 47 14	N	N	N
SJ621R	18 20 34	64 47 14	N	N	N
SJ622R	18 20 19	64 47 36	N	N	N
SJ623R	18 19 54	64 47 56	N	N	N
SJ624R	18 20 1	64 47 15	N	N	N
SJ625R	18 20 3	64 47 1	N	N	N
SJ626R	18 20 17	64 46 42	N	N	N
SJ626R1	18 20 18	64 46 43	N	N	N
SJ627R	18 20 55	64 46 23	N	N	N
SJ627R1	18 20 45	64 46 25	N	N	N
SJ628R	18 21 25	64 44 10	N	N	.20
SJ628R1	18 21 25	64 44 10	N	N	N
SJ629R	18 19 38	64 47 39	N	N	N
SJ629R1	18 19 38	64 47 39	N	N	N
SJ630R	18 19 40	64 47 8	N	N	N
SJ630R1	18 19 46	64 47 0	N	N	N
SJ630R2	18 19 46	64 47 0	N	N	N
SJ630R3	18 19 45	64 47 0	N	N	N
SJ631R	18 19 10	64 47 23	5.40	50.0	50.
SJ631R1	18 19 10	64 47 23	.15	30.0	48.
SJ631R2	18 19 10	64 47 23	N	20.0	2.5
SJ631R3	18 19 10	64 47 23	5.50	7.0	180.
SJ631R4	18 19 7	64 47 28	.05	N	4.0
SJ631R5	18 19 6	64 47 26	N	N	N
SJ631R6	18 19 4	64 47 23	N	7.0	1.1
SJ632R	18 19 4	64 47 19	N	N	1.0
SJ632R1	18 19 4	64 47 19	N	N	N
SJ633R	18 19 17	64 47 11	N	N	N
SJ634R	18 19 24	64 46 53	N	N	N
SJ635R	18 19 12	64 46 56	N	N	.10
SJ635R1	18 19 12	64 46 56	N	N	N
SJ636R	18 18 53	64 46 56	N	N	N

TABLE 4. ANALYTICAL RESULTS FOR 494 ROCK SAMPLES FROM ST. JOHN--Continued

Sample	LATITUDE	LONGTUDE	AU(PPM)	AG(PPM)	TE(PPM)
SJ637R	18 19 12	64 46 36	N	N	N
SJ637R1	18 19 12	64 46 36	N	N	N
SJ637R2	18 19 12	64 46 36	N	N	.10
SJ638R	18 20 38	64 46 24	2.20	N	N
SJ638R1	18 20 38	64 46 24	N	N	N
SJ639R1	18 20 38	64 46 24	N	N	N
SJ640R	18 20 44	64 45 30	N	N	N
SJ641R	18 19 12	64 45 33	N	N	.10
SJ641R1	18 19 12	64 45 33	N	N	4.6
SJ641R2	18 19 11	64 45 30	N	N	.90
SJ641R3	18 19 15	64 45 30	N	N	2.2
SJ641R4	18 19 17	64 45 30	N	N	N
SJ642R	18 19 12	64 45 25	N	N	N
SJ643R	18 19 12	64 45 25	N	N	N
SJ643R1	18 19 25	64 45 27	N	<.5	.30
SJ644R	18 19 22	64 45 45	N	N	N
SJ645R	18 19 56	64 45 55	N	N	N
SJ645R1	18 19 52	64 45 53	N	N	N
SJ646R	18 20 18	64 40 29	N	N	N
SJ646R1	18 20 18	64 40 29	N	N	.30
SJ646R2	18 20 18	64 40 29	N	N	N
SJ647R	18 20 44	64 40 27	N	N	N
SJ647R1	18 20 46	64 40 36	N	N	N
SJ648R	18 21 4	64 40 51	N	N	.10
SJ648R2	18 21 5	64 40 54	N	N	N
SJ648R3	18 21 7	64 40 54	N	N	N
SJ649R	18 21 17	64 41 13	N	N	N
SJ650R	18 21 30	64 41 40	N	N	N
SJ651R	18 21 30	64 41 40	N	N	N
SJ651R1	18 21 30	64 41 40	N	N	N
SJ651R2	18 21 30	64 41 40	N	N	N
SJ651R3	18 21 30	64 41 40	N	N	N
SJ652R	18 21 28	64 42 2	N	N	N
SJ653R	18 21 14	64 42 22	N	N	N
SJ653R1	18 21 14	64 42 22	N	N	N
SJ654R	18 21 4	64 42 50	N	N	N
SJ654R1	18 21 4	64 42 50	N	N	N
SJ655R	18 19 44	64 46 55	N	N	N
SJ655RA	18 19 44	64 46 55	N	N	N
SJ656R	18 19 52	64 46 48	N	N	N
SJ657R	18 19 50	64 47 47	N	N	N
SJ657R1	18 19 51	64 46 44	N	N	N
SJ658R1	18 19 44	64 46 51	N	N	N
SJ659R	18 19 40	64 46 37	N	N	N
SJ660R	18 19 47	64 46 37	N	N	N

TABLE 4. ANALYTICAL RESULTS FOR 494 ROCK SAMPLES FROM ST. JOHN--Continued

Sample	LATITUDE	LONGTUDE	AU(PPM)	AG(PPM)	TE(PPM)
SJ660R1	18 19 47	64 46 37	N	N	N
SJ660R2	18 19 47	64 46 37	N	N	N
SJ660R3	18 19 47	64 46 36	N	N	N
SJ660R4	18 19 45	64 46 36	N	N	N
SJ660R5	18 19 45	64 46 36	N	N	N
SJ661R	18 19 51	64 46 28	N	N	N
SJ662R	18 19 36	64 46 30	N	N	N
SJ662R1	18 19 47	64 46 31	N	N	N
SJ663R	18 21 25	64 42 46	N	N	N
SJ663R1	18 21 22	64 42 45	N	N	N
SJ663R2	18 21 22	64 42 45	N	N	N
SJ664R	18 21 13	64 43 8	N	N	N
SJ665R	18 21 25	64 43 27	N	N	N
SJ665R1	18 21 27	64 43 25	N	N	.10
SJ666R	18 21 19	64 43 55	N	N	N
SJ666R1	18 21 19	64 43 55	N	N	.10
SJ667R	18 21 0	64 44 13	N	N	N
SJ667R1	18 21 0	64 44 13	N	N	N
SJ667R2	18 21 9	64 44 5	N	N	.10
SJ667R3	18 21 9	64 44 5	N	N	.10
SJ668R	18 20 59	64 44 35	N	N	1.0
SJ668R1	18 20 29	64 44 2	N	N	N
SJ668R2	18 20 29	64 44 2	N	N	.10
SJ668R3	18 20 29	64 44 2	N	N	N
SJ668R4	18 20 29	64 44 2	.05	N	.30
SJ669R	18 20 48	64 45 1	N	N	N
SJ670R	18 20 49	64 44 21	N	N	N
SJ671R	18 20 42	64 44 15	.05	N	N
SJ672R	18 20 34	64 44 11	N	N	N
SJ673R	18 20 20	64 44 2	N	N	N
SJ673R1	18 20 29	64 44 2	N	N	N
SJ674R	18 20 20	64 43 51	.25	30.0	N
SJ675R	18 20 19	64 43 45	N	1.5	N
SJ675R1	18 20 20	64 43 45	N	.5	6.4
SJ676R	18 20 11	64 43 39	.45	N	100.
SJ676R1	18 20 11	64 43 39	.05	2.0	2.8
SJ677R	18 20 4	64 43 38	N	N	N
SJ678R	18 20 6	64 43 29	N	N	N
SJ679R	18 20 14	64 43 44	N	N	3.8
SJ680R	18 20 7	64 43 40	N	N	.30
SJ680R1	18 20 7	64 43 40	N	1.0	.30
SJ681R	18 20 5	64 43 33	N	<.5	N
SJ682R	18 20 10	64 43 20	N	N	N
SJ683R	18 20 15	64 43 16	N	N	N
SJ685R	18 20 30	64 43 27	N	N	N

TABLE 4. ANALYTICAL RESULTS FOR 494 ROCK SAMPLES FROM ST. JOHN--Continued

Sample	LATITUDE	LONGTUDE	AU(PPM)	AG(PPM)	TE(PPM)
SJ685R1	18 20 30	64 43 27	N	.5	2.0
SJ686R	18 20 52	64 43 17	N	N	N
SJ687R	18 20 37	64 43 19	N	N	N
SJ688R	18 20 23	64 43 12	N	N	N
SJ688R1	18 20 24	64 43 15	N	N	N
SJ689R	18 20 10	64 43 42	N	N	2.3
SJ689R1	18 20 10	64 43 42	N	<.5	.20
SJ690R	18 20 7	64 43 50	N	N	N
SJ691R	18 20 0	64 43 40	N	N	N
SJ692R	18 20 16	64 43 41	.05	.5	12.
SJ692R1	18 20 16	64 43 41	.45	50.0	2.5
SJ692R2	18 20 16	64 43 41	N	N	1.3
SJ693R	18 21 6	64 43 40	N	N	N
SJ694R	18 20 40	64 42 56	N	N	N
SJ695R	18 20 29	64 42 50	N	N	N
SJ696R	18 20 14	64 42 43	N	<.5	N
SJ696R1	18 20 13	64 42 40	N	2.0	10.
SJ696R2	18 20 4	64 42 38	N	.7	N
SJ697R	18 19 56	64 42 26	N	N	N
SJ697R1	18 19 57	64 42 22	N	N	.90
SJ698R	18 19 42	64 42 3	N	N	N
SJ699R	18 19 20	64 42 3	N	N	N
SJ699R1	18 19 20	64 42 4	N	N	.40
SJ699R2	18 19 13	64 42 9	N	N	N
SJ700R	18 19 6	64 42 23	N	N	N
SJ701R	18 19 8	64 42 57	N	N	N
SJ702R	18 20 2	64 43 57	N	N	N
SJ702R1	18 20 2	64 43 57	N	N	N
SJ703R	18 19 51	64 44 8	N	N	.10
SJ704R	18 19 41	64 44 15	N	N	N
SJ705R	18 19 25	64 44 17	N	N	N
SJ706R	18 19 21	64 44 30	N	.7	.50
SJ707R	18 19 33	64 44 45	N	N	N
SJ708R	18 20 5	64 43 1	N	N	N
SJ709R	18 19 55	64 42 46	N	N	N
SJ709R1	18 19 52	64 42 31	N	N	2.8
SJ709R2	18 19 53	64 42 30	N	N	N
SJ709R3	18 19 53	64 42 30	N	N	N
SJ709R4	18 19 53	64 42 30	N	N	N
SJ709R5	18 19 53	64 42 30	N	N	N
SJ709R6	18 19 55	64 42 29	N	N	.60
SJ710R	18 19 36	64 44 5	N	N	N
SJ711R	18 19 23	64 43 52	N	N	N
SJ711R1	18 19 23	64 43 56	N	N	N
SJ711R2	18 19 23	64 43 52	N	N	N

TABLE 4. ANALYTICAL RESULTS FOR 494 ROCK SAMPLES FROM ST. JOHN--Continued

Sample	LATITUDE	LONGTUDE	AU(PPM)	AG(PPM)	TE(PPM)
SJ712R	18 19 34	64 43 29	N	N	N
SJ713R	18 19 34	64 43 29	N	N	N
SJ713R1	18 19 34	64 43 29	N	N	N
SJ714R	18 19 43	64 43 15	N	N	N
SJ716R	18 20 33	64 44 45	N	N	N
SJ717R	18 20 47	64 44 45	N	N	N
SJ717R1	18 20 47	64 44 45	N	N	N
SJ718R	18 20 47	64 44 45	N	N	N
SJ719R	18 20 37	64 44 32	N	N	N
SJ720R	18 20 12	64 44 24	N	N	N
SJ723R	18 20 42	64 45 15	N	N	N
SJ724R	18 20 42	64 45 15	.10	N	N
SJ725R	18 20 40	64 45 35	N	N	.10
SJ725R1	18 20 36	64 45 35	N	N	N
SJ725R2	18 20 36	64 45 35	N	2.0	N
SJ725R3	18 20 36	64 45 35	N	.5	N
SJ725R4	18 20 37	64 45 35	N	N	N
SJ726R	18 19 52	64 45 5	N	N	N
SJ726R1	18 19 57	64 45 7	N	N	N
SJ727R	18 19 59	64 45 35	.05	N	N
SJ727R1	18 19 59	64 45 27	N	N	N
SJ727R2	18 19 59	64 45 27	N	N	N
SJ728R	18 20 13	64 45 41	N	N	N
SJ729R	18 20 34	64 45 33	N	N	N
SJ729R1	18 30 34	64 45 33	N	N	.10
SJ730R	18 20 36	64 45 40	N	N	N
SJ731R	18 20 28	64 45 15	N	N	.10
SJ731R1	18 20 28	64 45 15	N	N	N
SJ732R	18 20 31	64 45 24	N	N	N
SJ733R	18 20 40	64 45 25	N	N	N
SJ734R	18 20 58	64 45 27	N	N	N
SJ734R1	18 20 53	64 45 30	N	N	6.5
SJ734R2	18 20 52	64 45 30	N	N	N
SJ734R3	18 20 52	64 45 28	N	N	N
SJ734R4	18 20 53	64 45 28	N	N	N
SJ734R5	18 20 53	64 45 28	N	N	N
SJ734R6	18 20 56	64 45 28	N	N	N
SJ734R7	18 21 1	64 45 28	N	N	N
SJ735R	18 22 14	64 44 55	.80	N	N
SJ735R1	18 22 11	64 44 55	N	N	N
SJ735R2	18 22 11	64 44 49	N	N	N
SJ736R	18 20 50	64 44 35	N	N	N
SJ737R	18 19 5	64 44 0	N	1.0	1.7
SJ737R1	18 19 4	64 44 3	N	N	.50
SJ737R2	18 19 4	64 43 57	N	2.0	.20

TABLE 4. ANALYTICAL RESULTS FOR 494 ROCK SAMPLES FROM ST. JOHN--Continued

Sample	LATITUDE	LONGTUDE	AU(PPM)	AG(PPM)	TE(PPM)
SJ737R3	18 19 4	64 43 57	N	2.0	.50
SJ738R	18 21 31	64 44 0	N	N	N
SJ738R1	18 21 31	64 44 0	N	1.5	N
SJ738R2	18 21 31	64 44 0	N	N	N
SJ739R	18 21 38	64 44 9	N	N	N
SJ739R1	18 21 38	64 44 9	N	N	N
SJ739R2	18 21 38	64 44 9	N	N	N
SJ740R	18 21 38	64 44 7	N	N	N
SJ741R	18 21 13	64 44 15	N	N	N
SJ743R1	18 21 13	64 44 15	N	N	N
SJ744R	18 21 12	64 44 22	N	N	N
SJ745R	18 21 12	64 44 22	N	N	N
SJ746R	18 21 7	64 44 38	N	N	N
SJ746R1	18 21 7	64 44 38	N	N	1.0
SJ746R2	18 21 7	64 44 38	N	N	1.8
SJ746R3	18 21 7	64 44 38	N	N	.30
SJ746R4	18 21 4	64 44 37	N	N	.20
SJ747R	18 20 52	64 46 40	N	N	N
SJ747R1	18 20 52	64 46 40	N	N	N
SJ747R2	18 20 52	64 46 40	N	N	N
SJ747R3	18 20 52	64 46 40	N	N	N
SJ748R	18 21 30	64 43 47	N	N	N
SJ748R1	18 21 26	64 43 49	N	N	N
SJ748R2	18 21 26	64 43 49	N	N	N
SJ749R1	18 21 31	64 43 53	N	N	N
SJ750R	18 21 32	64 43 59	N	N	N
SJ750R1	18 21 32	64 43 59	N	N	N
SJ751R	18 20 24	64 44 54	N	N	N
SJ751R1	18 20 24	64 44 54	N	N	N
SJ751R2	18 20 24	64 44 54	.45	<.5	6.0
SJ751R3	18 20 24	64 44 54	N	N	N
SJ752R	18 20 36	64 44 58	N	N	N
SJ752R1	18 20 36	64 44 58	.35	N	.25
SJ754R	18 20 43	64 45 4	N	N	N
SJ754R1	18 20 43	64 45 4	N	N	N
SJ755R	18 20 23	64 45 53	N	N	N
SJ756R	18 20 20	64 45 42	N	N	N
SJ756R1	18 20 20	64 45 42	N	N	N
SJ758R	18 20 27	64 45 32	N	N	N
SJ758R1	18 20 27	64 45 32	N	N	N
SJ758R2	18 20 27	64 45 32	N	N	N
SJ758R3	18 20 27	64 45 32	N	N	N
SJ758R4	18 20 35	64 45 36	N	N	N
SJ759R	18 20 16	64 45 30	N	N	N
SJ759R1	18 20 16	64 45 30	N	N	N

TABLE 4. ANALYTICAL RESULTS FOR 494 ROCK SAMPLES FROM ST. JOHN--Continued

Sample	LATITUDE	LONGTUDE	AU(PPM)	AG(PPM)	TE(PPM)
SJ759R2	18 20 15	64 45 30	N	N	N
SJ759R3	18 20 15	64 45 30	N	N	N
SJ759R4	18 20 15	64 45 30	N	N	N
SJ759R5	18 20 21	64 45 38	N	N	N
SJ760R	18 20 35	64 45 35	N	N	N
SJ760R1	18 20 38	64 45 35	N	N	N
SJ761R	18 18 41	64 42 55	N	N	N
SJ762R	18 19 3	64 42 14	N	N	N
SJ762R1	18 19 3	64 42 14	N	N	N
SJ762R2	18 19 3	64 42 14	N	N	N
SJ762R3	18 19 3	64 42 14	N	N	N
SJ762R4	18 19 13	64 42 22	N	N	N
SJ763R	18 19 9	64 47 25	.20	3.0	4.1
SJ763R1	18 19 4	64 47 25	2.10	10.0	1.0
SJ763R2	18 19 6	64 46 58	.05	2.0	.80
SJ764R1	18 19 34	64 45 31	N	N	N
SJ764R2	18 19 30	64 45 47	N	N	.55
SJ764R3	18 19 43	64 45 55	N	N	N
SJ764R4	18 19 43	64 45 55	N	<.5	N
SJ764R5	18 19 43	64 45 55	N	N	N
SJ764R6	18 19 43	64 45 55	N	N	N
SJ765R1	18 19 25	64 43 57	N	N	N
SJ766R	18 19 59	64 42 31	N	N	.10
SJ766R1	18 19 59	64 42 31	N	.7	1.0
SJ767A1R	18 20 16	64 43 36	.10	2.0	8.2
SJ767A9R	18 20 17	64 43 37	.10	N	1.1
SJ768R	18 20 49	64 40 47	N	N	N
SJ768R1	18 20 49	64 40 47	N	N	N
SJ768R2	18 20 49	64 40 47	N	N	N
SJ768R3	18 20 49	64 40 47	N	N	N
SJ768R4	18 20 49	64 40 47	N	N	N
SJ769R	18 21 14	64 45 43	N	N	N
SJ769R1	18 21 14	64 45 43	N	N	N
SJ769R2	18 21 14	64 45 43	N	N	N
SJ770R	18 21 59	64 44 14	N	N	N
SJ770R1	18 21 59	64 44 14	N	N	N
SJ770R2	18 21 57	64 44 17	N	N	N
SJ770R3	18 21 57	64 44 17	N	N	N
SJ770R4	18 21 57	64 44 17	N	N	N
SJ770R5	18 22 0	64 44 20	N	N	N
SJ770R6	18 21 54	64 44 28	N	N	.10
SJ770R7	18 21 45	64 44 27	N	N	N
SJ770R8	18 21 45	64 44 27	N	N	N
SJ770R9	18 21 47	64 44 29	N	N	N

TABLE 5. ANALYTICAL RESULTS FOR 259 SOIL SAMPLES FROM ST.JOHN

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

Sample	LATITUDE	LONGITUD	AU-PPB	AG-PPM
84SJ001B	18 20 27	64 47 22	1	N
84SJ002B	18 20 29	64 47 6	7	N
84SJ003B	18 20 49	64 46 51	3	N
84SJ005B	18 21 8	64 46 30	6	N
84SJ006B	18 21 12	64 46 5	1	N
84SJ008B	18 21 12	64 45 21	1	N
84SJ010B	18 21 57	64 44 29	42	N
84SJ011B	18 21 57	64 44 17	1	N
84SJ012B	18 21 54	64 43 40	16	N
84SJ013B	18 21 38	64 44 6	40	N
84SJ014B	18 21 28	64 44 22	2	N
84SJ015B	18 21 50	64 43 6	17	N
84SJ016B	18 21 27	64 43 42	8	N
84SJ017B	18 21 15	64 43 2	1	N
84SJ018B	18 21 7	64 42 48	1	N
84SJ020B	18 21 30	64 42 4	1	N
84SJ021B	18 21 4	64 43 24	1	N
84SJ022B	18 20 57	64 43 29	2	N
84SJ023B	18 20 55	64 43 27	3	N
84SJ025B	18 20 42	64 43 5	5	N
84SJ026B	18 21 29	64 41 45	<1	N
84SJ027B	18 21 33	64 41 27	<1	N
84SJ028B	18 21 9	64 40 59	1	N
84SJ029B	18 20 20	64 40 23	1	N
84SJ030B	18 20 33	64 40 26	2	N
84SJ032B	18 20 17	64 42 49	1	N
84SJ033B	18 20 3	64 42 31	6	N
84SJ034B	18 19 44	64 42 14	1	N
84SJ035B	18 19 19	64 42 5	<1	N
84SJ036B	18 19 10	64 42 23	6	N
84SJ037B	18 19 3	64 42 45	3	N
84SJ038B	18 19 15	64 43 9	1	N
84SJ042B	18 19 39	64 43 20	1	N
84SJ044B	18 19 24	64 44 4	2	3.0
84SJ046B	18 19 26	64 43 44	1	N
84SJ048B	18 19 39	64 45 57	1	N
84SJ049B	18 19 44	64 45 48	2	N
84SJ050B	18 19 35	64 45 30	1	N
84SJ051B	18 19 29	64 45 27	5	N
84SJ053B	18 20 27	64 45 32	1	N
84SJ055B	18 20 19	64 45 36	2	N
84SJ056B	18 20 21	64 45 41	8	N
84SJ057B	18 20 7	64 45 42	<1	N
84SJ058B	18 20 4	64 45 51	<1	N
84SJ059B	18 19 22	64 46 48	2	N
84SJ060B	18 20 15	64 43 17	41	<.5
84SJ061B	18 20 5	64 43 29	13	N
84SJ062B	18 20 4	64 43 34	9	N
84SJ063B	18 20 2	64 43 39	3	N
84SJ064B	18 20 8	64 43 40	12	N
84SJ065B	18 20 11	64 43 40	66	N
84SJ066B	18 20 16	64 43 42	26	N
84SJ067B	18 20 21	64 43 51	34	N
84SJ068B	18 20 29	64 43 59	4	N
84SJ069B	18 20 33	64 44 15	1	N
84SJ070B	18 20 39	64 46 18	1	N
84SJ071B	18 20 32	64 46 7	30	N
84SJ072B	18 20 43	64 45 40	1	N
84SJ073B	18 20 20	64 46 22	1	N
84SJ074B	18 20 9	64 46 13	26	N
84SJ075B	18 20 5	64 46 16	<1	N
84SJ076B	18 20 4	64 46 37	5	N
84SJ077B	18 20 7	64 46 36	1	N
84SJ079B	18 20 10	64 47 27	1	N
84SJ081B	18 20 50	64 44 31	8	N
84SJ082B	18 20 51	64 44 32	8	N
84SJ083B	18 20 31	64 44 27	8	N
84SJ084B	18 20 28	64 44 30	2	N
84SJ085B	18 20 14	64 44 23	6	N
84SJ086B	18 19 58	64 44 23	1	N
84SJ087B	18 19 44	64 44 27	1	N
84SJ088B	18 21 17	64 47 36	4	N
84SJ090B	18 21 45	64 48 31	6	N
84SJ091B	18 21 38	64 49 0	4	N
84SJ092B	18 21 41	64 49 16	46	N
84SJ093B	18 21 43	64 49 31	1	N
84SJ094B	18 22 9	64 48 25	15	N
84SJ097B	18 22 13	64 44 55	13	N
84SJ098B	18 22 21	64 44 20	4	N
84SJ099B	18 22 3	64 43 5	3	N
84SJ101B	18 20 58	64 41 11	1	N
84SJ102B	18 20 49	64 41 27	1	N
84SJ103B	18 20 18	64 40 6	2	N
84SJ104B	18 20 44	64 40 10	<1	N
84SJ105B	18 21 48	64 41 43	2	N
84SJ106B	18 18 59	64 43 15	1	N
84SJ107B	18 18 40	64 42 36	<1	N
84SJ108B	18 18 22	64 42 13	1	N
84SJ109B	18 19 8	64 41 21	1	N
84SJ110B	18 19 43	64 39 5	3	N

TABLE 5. ANALYTICAL RESULTS FOR 259 SOIL SAMPLES FROM ST.JOHN--Continued

Sample	LATITUDE	LONGITUD	AU-PPB	AG-PPM
84SJ200B	18 20 46	64 44 59	1	N
84SJ201B	18 20 47	64 44 56	1	N
84SJ202B	18 20 40	64 44 52	<1	N
84SJ203B	18 20 35	64 44 59	<1	N
84SJ601B	18 19 43	64 46 23	5	N
84SJ602B	18 20 5	64 46 24	1	N
84SJ603B	18 19 29	64 46 26	1	N
84SJ604B	18 19 24	64 46 0	110	N
84SJ605B	18 19 47	64 45 55	1	N
84SJ606B	18 21 14	64 45 13	4	N
84SJ608B	18 21 27	64 44 54	2	N
84SJ610B	18 21 58	64 44 11	3	N
84SJ611B	18 22 2	64 44 29	7	N
84SJ612B	18 21 59	64 43 41	7	2.0
84SJ613B	18 21 57	64 43 12	6	.7
84SJ615B	18 21 14	64 45 45	1	N
84SJ616B	18 21 11	64 46 6	2	N
84SJ617B	18 21 10	64 46 38	2	N
84SJ618B	18 20 55	64 46 59	<1	N
84SJ619B	18 20 39	64 46 50	10	N
84SJ620B	18 20 34	64 47 14	1	N
84SJ622B	18 20 19	64 47 36	2	N
84SJ623B	18 19 54	64 47 56	4	N
84SJ624B	18 20 1	64 47 15	6	N
84SJ625B	18 20 3	64 47 1	1	N
84SJ626B	18 20 17	64 46 42	2	N
84SJ627B	18 20 55	64 46 23	2	N
84SJ628B	18 21 25	64 44 10	7	N
84SJ630B	18 19 40	64 47 8	4	N
84SJ631B	18 19 10	64 47 23	440	1.5
84SJ632B	18 19 4	64 47 19	4	N
84SJ633B	18 19 17	64 47 11	2	N
84SJ634B	18 19 24	64 46 53	<1	N
84SJ635B	18 19 12	64 46 56	1	N
84SJ636B	18 18 53	64 46 56	2	N
84SJ637B	18 19 12	64 46 36	2	N
84SJ638B	18 20 38	64 46 24	2	N
84SJ639B	18 20 44	64 45 57	1	N
84SJ640B	18 20 44	64 45 30	2	N
84SJ641B	18 19 12	64 45 33	8	N
84SJ642B	18 19 12	64 45 25	2	N
84SJ643B	18 19 24	64 45 25	2	N
84SJ644B	18 19 22	64 45 45	4	N
84SJ645B	18 19 56	64 45 55	1	N
84SJ646B	18 20 18	64 40 29	3	N
84SJ647B	18 20 44	64 40 27	3	N
84SJ648B	18 21 4	64 40 51	1	N
84SJ649B	18 21 17	64 41 13	<1	N
84SJ650B	18 21 30	64 41 40	<1	N
84SJ651B	18 21 30	64 41 40	1	N
84SJ652B	18 21 28	64 42 2	<1	N
84SJ653B	18 21 14	64 42 22	3	N
84SJ654B	18 21 4	64 42 50	1	N
84SJ655B	18 19 44	64 46 55	<1	N
84SJ656B	18 19 52	64 46 48	3	N
84SJ657B	18 19 50	64 47 47	2	N
84SJ658B	18 19 44	64 46 51	1	N
84SJ659B	18 19 40	64 46 37	2	N
84SJ660B	18 19 47	64 46 37	1	N
84SJ661B	18 19 51	64 46 28	11	N
84SJ662B	18 19 36	64 46 30	1	N
84SJ663B	18 21 25	64 42 46	12	N
84SJ664B	18 21 13	64 43 8	3	N
84SJ665B	18 21 25	64 43 27	5	N
84SJ666B	18 21 19	64 43 55	8	N
84SJ667B	18 21 0	64 44 13	1	N
84SJ668B	18 20 59	64 44 35	51	N
84SJ669B	18 20 48	64 45 1	2	N
84SJ670B	18 20 49	64 44 21	1	N
84SJ671B	18 20 42	64 44 15	3	N
84SJ672B	18 20 34	64 44 11	1	N
84SJ673B	18 20 29	64 44 2	1	N
84SJ674B	18 20 20	64 43 51	15	2.0
84SJ675B	18 20 19	64 43 45	30	.5
84SJ676B	18 20 11	64 43 39	80	<.5
84SJ677B	18 20 4	64 43 38	12	N
84SJ678B	18 20 6	64 43 29	2	N
84SJ679B	18 20 14	64 43 44	17	N
84SJ680B	18 20 7	64 43 40	4	N
84SJ680S	18 29 7	64 43 40	4	N
84SJ681B	18 20 5	64 43 33	5	N
84SJ682B	18 20 10	64 43 20	1	N
84SJ683B	18 20 15	64 43 16	1	N
84SJ684B	18 20 8	64 43 33	50	.7
84SJ685B	18 20 30	64 43 27	8	N
84SJ686B	18 20 52	64 43 17	1	N
84SJ687B	18 20 37	64 43 19	11	N
84SJ688B	18 20 23	64 43 12	5	N
84SJ689B	18 20 10	64 43 42	24	<.5
84SJ690B	18 20 7	64 43 50	<1	N

TABLE 5. ANALYTICAL RESULTS FOR 259 SOIL SAMPLES FROM ST.JOHN--Continued

Sample	LATITUDE	LONGITUD	AU-PPB	AG-PPM
84SJ691B	18 20 0	64 43 40	2	.5
84SJ692B	18 20 16	64 43 41	28	N
84SJ693B	18 21 6	64 43 40	1	N
84SJ694B	18 20 40	64 42 56	5	N
84SJ695B	18 20 29	64 42 50	1	N
84SJ696B	18 20 14	64 42 43	1	N
84SJ697B	18 19 56	64 42 26	2	N
84SJ698B	18 19 42	64 42 3	<1	N
84SJ699B	18 19 20	64 42 3	3	N
84SJ700B	18 19 6	64 42 23	5	N
84SJ701B	18 19 8	64 42 57	<1	N
84SJ702B	18 20 2	64 43 57	<1	N
84SJ703B	18 19 51	64 44 8	2	N
84SJ704B	18 19 41	64 44 15	1	N
84SJ705B	18 19 25	64 44 17	1	N
84SJ706B	18 19 21	64 44 30	10	.7
84SJ707B	18 19 33	64 44 45	<1	N
84SJ708B	18 20 5	64 43 1	1	N
84SJ709B	18 19 55	64 42 46	2	N
84SJ710B	18 19 36	64 44 5	<1	N
84SJ711B	18 19 23	64 43 52	<1	N
84SJ712B	18 19 34	64 43 29	1	N
84SJ713B	18 19 34	64 43 29	1	N
84SJ714B	18 19 43	64 43 15	<1	N
84SJ715B	18 19 15	64 43 14	1	N
84SJ716B	18 20 33	64 44 45	<1	N
84SJ717B	18 20 47	64 44 45	<1	N
84SJ718B	18 20 47	64 44 45	<1	N
84SJ719B	18 20 37	64 44 32	<1	N
84SJ720B	18 20 12	64 44 24	1	N
84SJ721B	18 19 56	64 44 30	<1	N
84SJ722B	18 19 13	64 44 25	1	N
84SJ723B	18 20 42	64 45 15	5	N
84SJ724B	18 20 42	64 45 15	2	N
84SJ725B	18 20 40	64 45 35	1	N
84SJ727B	18 19 59	64 45 35	<1	N
84SJ728B	18 20 13	64 45 41	<1	N
84SJ729B	18 20 34	64 45 33	1	N
84SJ731B	18 20 28	64 45 15	1	N
84SJ732B	18 20 31	64 45 24	1	N
84SJ733B	18 20 40	64 45 25	1	N
84SJ734B	18 20 58	64 45 27	2	N
84SJ735B	18 22 14	64 44 55	9	N
84SJ736B	18 20 50	64 44 35	3	N
84SJ737B	18 19 5	64 44 0	10	<.5
84SJ741B	18 21 13	64 44 15	3	N
84SJ742B	18 21 21	64 44 15	2	N
84SJ743B	18 21 22	64 44 8	2	N
84SJ744B	18 21 12	64 44 22	4	N
84SJ745B	18 21 12	64 44 22	9	N
84SJ746B	18 21 7	64 44 38	2	N
86SJ747B	18 20 52	64 46 40	22	N
86SJ748B	18 21 30	64 43 47	33	N
86SJ749B	18 21 33	64 43 52	7	N
86SJ750B	18 21 32	64 43 59	20	N
86SJ751B	18 20 24	64 44 54	34	N
86SJ752B	18 20 36	64 44 58	28	N
86SJ753B	18 20 46	64 44 57	14	N
86SJ754B	18 20 41	64 45 2	13	N
86SJ755B	18 20 23	64 45 53	3	N
86SJ756B	18 20 20	64 45 42	31	N
86SJ757B	18 20 19	64 45 36	27	N
86SJ758B	18 20 27	64 45 32	32	N
86SJ759B	18 20 16	64 45 30	12	N
86SJ760B	18 20 35	64 45 35	10	N
86SJ761B	18 18 41	64 42 55	3	N
86SJ762B	18 19 3	64 42 14	3	N
86SJ763B	18 19 9	64 42 22	55	<.5
86SJ764B	18 19 36	64 45 28	2	N
86SJ765B	18 19 55	64 44 30	7	N
86SJ766B	18 19 59	64 42 31	7	N
SJ767B6	18 20 16	64 44 34	23	N
SJ767B23	18 20 12	64 43 43	5	N
SJ767B24	18 20 12	64 43 42	9	N
SJ767B25	18 20 12	64 43 41	3	N
SJ767B26	18 20 11	64 43 39	9	N
SJ767B27	18 20 11	64 43 39	20	N
86SJ769B	18 21 14	64 45 43	2	N
86SJ770B	18 21 59	64 44 17	14	N

TABLE 6. ANALYTICAL RESULTS FOR 144 ROCK SAMPLES FROM ST. THOMAS

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

Sample	LATITUDE	LONGITUD	AU(PPM)	AG(PPM)	TE(PPM)
3ST002R	18 20 48	64 52 44	N	N	.1
3ST004R	18 19 15	64 50 24	N	N	N
3ST005R	18 19 36	64 50 13	N	N	.3
3ST006R	18 19 2	64 49 40	N	N	N
3ST008R	18 17 52	64 49 2	N	N	.3
3ST009R	18 18 0	64 49 25	.05	5.0	.6
3ST011R	18 18 10	64 49 44	N	<.5	3.2
3ST012R	18 18 54	64 50 50	N	N	N
3ST013R	18 18 33	64 51 52	N	2.0	2.2
3ST014R	18 18 26	64 52 14	N	N	1.8
3ST015R	18 18 24	64 52 28	N	N	N
3ST016R	18 19 47	64 56 42	N	N	N
3ST017R	18 19 18	64 56 34	N	N	.1
3ST018R	18 19 19	64 57 7	N	N	N
3ST019R	18 18 42	64 57 37	N	<.5	N
3ST020R	18 19 6	64 59 24	N	N	.1
3ST021R	18 18 27	65 0 6	N	N	.1
3ST022R	18 21 15	64 59 39	N	N	N
3ST023R	18 20 47	64 58 36	N	N	.2
3ST024R	18 20 21	64 50 42	N	N	.2
3ST025R	18 21 17	64 52 54	N	N	.1
3ST026R	18 21 22	64 53 21	N	N	.1
3ST027R	18 21 52	64 53 35	N	N	N
3ST028R	18 23 34	64 54 32	N	N	N
3ST029R	18 24 7	64 54 45	N	N	.1
3ST030R	18 24 35	64 54 29	N	N	N
3ST031R	18 22 1	64 54 24	N	N	N
3ST034R	18 21 34	64 55 39	N	N	N
3ST035R	18 21 49	64 56 14	N	N	.1
3ST036R	18 22 28	64 56 57	N	N	.1
3ST036R	18 23 0	64 58 8	N	N	N
3ST039R	18 23 14	64 58 21	N	N	.1
3ST040R	18 23 41	64 58 8	N	N	N
3ST041R	18 24 5	64 58 30	N	N	.1
3ST042R	18 22 24	64 58 32	.05	N	.1
3ST043R	18 22 21	64 59 0	N	N	.1
3ST044R	18 22 24	64 59 27	N	N	.1
3ST045R	18 20 4	64 56 15	N	N	N
3ST046R	18 19 42	64 56 7	N	15.0	N
3ST047R	18 16 44	64 53 46	N	N	.1
3ST048R	18 18 39	64 53 4	N	N	15.
3ST049R	18 18 58	64 53 28	N	N	.2
3ST050R	18 19 38	64 55 18	N	N	.1
3ST051R	18 19 37	64 56 58	N	N	.1
3ST052R	18 19 48	64 57 31	N	N	N

TABLE 6. ANALYTICAL RESULTS FOR 144 ROCK SAMPLES FROM ST. THOMAS--Continued

Sample	LATITUDE	LONGITUD	AU(PPM)	AG(PPM)	TE(PPM)
3ST053R	18 19 37	64 57 51	N	N	N
3ST054R	18 19 55	64 58 21	N	N	.2
3ST055R	18 21 0	64 59 10	N	N	.1
3ST056R	18 20 54	65 1 54	N	N	N
3ST057R	18 21 16	65 2 6	N	N	.1
3ST058R	18 20 40	65 4 47	N	N	.1
3ST059R	18 20 23	65 5 6	N	N	N
3ST060R	18 21 42	65 2 49	N	N	.1
3ST061R	18 21 43	65 3 9	N	N	.1
3ST062R	18 22 52	65 3 40	N	N	.1
3ST063R	18 24 20	65 3 36	N	7.0	.1
3ST064R	18 24 36	65 3 0	N	N	.1
3ST065R	18 21 46	64 59 37	N	1.0	.1
3ST067R	18 19 41	64 51 14	N	N	N
3ST068R	18 19 59	64 51 14	N	N	.1
3ST069R	18 19 36	64 51 40	N	<.5	N
3ST071R	18 19 42	64 52 25	N	10.0	N
3ST073R	18 19 27	64 53 28	N	N	N
3ST074R	18 20 5	64 53 3	N	N	.1
3ST075R	18 19 44	64 53 0	N	N	.1
3ST076R	18 19 34	64 54 35	N	N	.1
3ST078R	18 19 11	64 53 59	N	N	N
3ST079R	18 19 30	64 54 16	N	N	N
3ST082R	18 20 12	64 54 12	N	N	N
3ST083R	18 20 15	64 53 30	N	N	N
3ST085R	18 21 32	64 54 30	N	N	N
3ST087R	18 21 43	64 56 31	N	N	.2
3ST089R	18 22 9	64 57 38	N	2.0	N
3ST090R	18 21 52	64 58 35	N	N	.1
3ST092R	18 21 32	65 1 5	N	N	.1
3ST093R	18 21 4	65 1 22	N	N	.1
3ST094R	18 20 45	65 1 22	N	N	N
3ST095R	18 21 15	65 0 10	N	N	N
3ST096R	18 21 28	65 1 55	N	N	.1
3ST098R	18 20 49	64 57 8	N	N	N
3ST101R	18 19 9	64 50 45	N	N	N
3ST102R	18 18 28	64 50 0	N	N	N
3ST103R	18 18 57	64 49 55	N	N	N
3ST104R	18 21 33	64 50 21	N	N	.1
3ST105R	18 21 44	64 49 32	N	N	.1
3ST106R	18 21 43	64 49 42	N	N	.1
3ST107R	18 21 45	64 51 15	N	N	N
3ST108R	18 21 50	64 52 12	N	N	N
3ST109R	18 21 34	64 51 46	N	N	.1
3ST110R	18 20 48	64 51 45	N	N	N

TABLE 6. ANALYTICAL RESULTS FOR 144 ROCK SAMPLES FROM ST. THOMAS--Continued

Sample	LATITUDE	LONGITUD	AU(PPM)	AG(PPM)	TE(PPM)
3ST111R	18 19 52	64 50 47	N	N	N
3ST116R	18 19 53	64 55 28	6.30	200.0	30.
3ST117R	18 19 53	64 55 28	4.20	200.0	25.
3ST118R	18 19 40	64 55 24	N	<.5	.1
3ST119R	18 19 40	64 55 24	.10	3.0	1.5
3ST120R	18 19 40	64 55 24	.05	N	N
3ST220R	18 20 21	64 57 44	N	N	.4
3ST201R	18 20 21	64 57 44	N	1.5	.7
3ST202R	18 20 21	64 57 44	N	100.0	.1
3ST203R	18 20 21	64 57 44	N	N	.1
3ST204R	18 20 21	64 57 44	N	N	N
3ST205R	18 20 21	64 57 44	N	N	N
3ST206R	18 20 21	64 57 44	N	N	N
3ST207R	18 20 21	64 57 44	N	N	N
4ST500R	17 18 22	64 52 27	N	N	460.
4ST501R	17 18 22	64 52 35	N	N	83.
4ST502R	17 18 20	64 52 40	N	N	12.
4ST503R	17 18 24	64 52 38	N	N	.6
4ST504R	17 18 26	64 52 36	N	N	11.
4ST505R	17 18 30	64 52 47	N	N	12.
4ST505R1	17 18 30	64 52 47	N	N	.2
4ST505R2	17 18 30	64 52 47	N	N	6.6
4ST505R3	17 18 30	64 52 47	N	N	3.6
4ST505R4	17 18 30	64 52 47	N	N	3.6
4ST506R	17 18 38	64 52 46	N	N	1.0
4ST507R	17 18 46	64 52 54	N	N	N
4ST507R1	17 18 46	64 52 54	N	N	.8
4ST508R	17 18 55	64 53 5	N	N	.1
4ST508R1	17 18 55	64 53 5	2.50	N	6.3
4ST508R2	17 18 55	64 53 5	N	N	.7
4ST509R	17 18 57	64 53 30	N	N	30.
4ST509R1	17 18 57	64 53 30	N	N	.2
4ST509R2	17 18 57	64 53 30	.15	N	.9
4ST509R3	17 18 57	64 53 30	N	N	1.3
4ST510R	17 18 51	64 50 46	N	N	N
4ST511R	17 19 11	64 50 55	N	N	N
4ST512R	17 19 25	64 51 20	N	N	N
4ST513R	17 19 26	64 51 45	N	N	N
4ST514R	17 19 50	64 51 48	N	N	N
4ST515R	17 19 49	64 51 34	N	N	N
4ST516R	17 20 4	64 51 56	N	N	N
4ST515R1	17 19 49	64 51 34	N	N	N
4ST515R2	17 19 49	64 51 34	N	N	N
4ST517R	17 19 19	64 52 4	N	N	N
4ST518R	17 19 10	64 52 30	N	N	N

TABLE 6. ANALYTICAL RESULTS FOR 144 ROCK SAMPLES FROM ST. THOMAS--Continued

Sample	LATITUDE	LONGITUD	AU(PPM)	AG(PPM)	TE(PPM)
4ST519R	17 19 5	64 53 17	N	N	.5
4ST520R	17 19 28	64 53 11	N	N	.1
4ST521R	17 19 47	64 52 55	N	N	N
4ST522R	17 19 54	64 52 38	N	N	N
8ST001R	18 20 3	64 50 52	44.00	N	--
8ST002R	18 20 3	64 50 52	220.00	N	--
8ST002R1	18 20 3	64 50 52	1.00	N	--
8ST003R	18 18 23	64 52 28	N	--	--
8ST004R	18 18 23	64 52 28	1,700.00	2.0	--

TABLE 7. ANALYTICAL RESULTS FOR 95 SOIL SAMPLES FROM ST. THOMAS

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

Sample	LATITUDE	LONGITUD	AU-PPB	AG-PPM
3ST001	18 20 46	64 53 14	23	N
3ST002S	18 20 48	64 52 44	11	N
3ST003S	18 20 23	64 51 58	2	N
3ST004S	18 19 15	64 50 24	10	<.5
3ST007S	18 18 41	64 49 41	1	N
3ST008S	18 17 52	64 49 2	<1	N
3ST009S	18 18 0	64 49 25	<1	N
3ST010S	18 18 6	64 49 34	<1	N
3ST011S	18 18 10	64 49 44	1	N
3ST012S	18 18 54	64 50 50	4	N
3ST013S	18 18 33	64 51 52	20	3.0
3ST014S	18 18 26	64 52 14	10	N
3ST015S	18 18 24	64 52 28	4	N
3ST017S	18 19 18	64 56 34	<1	N
3ST018S	18 19 19	64 57 7	1	N
3ST019S	18 18 42	64 57 37	1	N
3ST021S	18 18 27	65 0 6	1	N
3ST022S	18 21 15	64 59 39	2	N
3ST023S	18 20 47	64 58 36	5	N
3ST024S	18 20 21	64 50 42	4	N
3ST025S	18 21 17	64 52 54	5	N
3ST026	18 21 22	64 53 21	6	N
3ST027S	18 21 52	64 53 35	1	N
3ST030S	18 24 35	64 54 29	2	N
3ST031S	18 22 1	64 54 24	1	N
3ST032	18 22 37	64 55 41	2	N
3ST033	18 22 1	64 55 15	3	N
3ST034	18 21 34	64 55 39	7	N
3ST035	18 21 49	64 56 14	2	N
3ST036	18 22 28	64 56 57	3	N
3ST037	18 22 12	64 58 5	2	<.5
3ST038	18 23 0	64 58 8	3	N
3ST039	18 23 14	64 58 21	3	N
3ST040	18 23 41	64 58 8	3	N
3ST041	18 24 5	64 58 30	4	N
3ST042	18 22 24	64 58 32	4	N
3ST043	18 22 21	64 59 0	2	N
3ST044S	18 22 24	64 59 27	2	N
3ST045S	18 20 4	64 56 15	3	N
3ST046S	18 19 42	64 56 7	7	N
3ST048	18 18 39	64 53 4	12	N
3ST049S	18 18 58	64 53 28	12	1.5
3ST050	18 19 38	64 55 18	15	N
3ST051	18 19 37	64 56 58	<1	N
3ST052S	18 19 48	64 57 31	1	1.5
3ST054	18 19 55	64 58 21	1	.5
3ST055	18 21 0	64 59 10	3	N
3ST056	18 20 54	65 1 54	2	N
3ST058	18 20 40	65 4 47	<1	3.0
3ST059	18 20 23	65 5 6	<1	N
3ST060	18 21 42	65 2 49	2	N
3ST061	18 21 43	65 3 9	1	N
3ST062S	18 22 52	65 3 40	3	1.5
3ST063S	18 24 20	65 3 36	1	1.5
3ST065	18 21 46	64 59 37	2	N
3ST067S	18 19 41	64 51 14	7	1.5
3ST068S	18 19 59	64 51 14	5	N
3ST069S	18 19 36	64 51 40	1	N
3ST070S	18 19 40	64 52 23	3	N
3ST071S	18 19 42	64 52 25	3	2.0
3ST072S	18 19 19	64 53 29	2	N
3ST073S	18 19 27	64 53 28	3	N
3ST074S	18 20 5	64 53 3	53	5.0
3ST075S	18 19 44	64 53 0	3	N
3ST076S	18 19 34	64 54 35	3	N
3ST077S	18 19 12	64 54 42	7	N
3ST078S	18 19 11	64 53 59	28	N
3ST079S	18 19 30	64 54 16	3	N
3ST081S	18 20 18	64 54 24	2	N
3ST082S	18 20 12	64 54 12	2	N
3ST083S	18 20 15	64 53 30	6	N
3ST085S	18 21 32	64 54 30	1	N
3ST086S	18 21 17	64 55 16	1	N
3ST087S	18 21 43	64 56 31	4	N
3ST088S	18 22 11	64 57 8	2	N
3ST089S	18 22 9	64 57 38	3	N
3ST090S	18 21 52	64 58 35	7	N
3ST091S	18 21 39	65 0 55	2	N
3ST092S	18 21 32	65 1 5	2	N
3ST093S	18 21 4	65 1 22	7	N
3ST094S	18 20 45	65 1 22	3	N
3ST095S	18 21 15	65 0 10	4	N
3ST096S	18 21 28	65 1 55	2	N
3ST097S	18 20 44	64 56 55	9	N
3ST098S	18 20 49	64 57 8	8	N
3ST099S	18 20 58	64 57 46	2	N
3ST102S	18 18 28	64 50 0	9	N
3ST103S	18 18 57	64 49 55	7	N
3ST104S	18 21 33	64 50 21	12	N
3ST105S	18 21 44	64 49 32	2	N

TABLE 7. ANALYTICAL RESULTS FOR 95 SOIL SAMPLES FROM ST. THOMAS--Continued

Sample	LATITUDE	LONGITUD	AU-PPB	AG-PPM
3ST106S	18 21 43	64 49 42	5	N
3ST108S	18 21 50	64 52 12	<1	3.0
3ST109S	18 21 34	64 51 46	6	N
3ST110S	18 20 48	64 51 45	41	N
3ST111S	18 19 52	64 50 47	450	N

TABLE 8. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 155 ROCK SAMPLES FROM ST. CROIX AND ST. THOMAS

[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]

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

Sample	LATITUDE	LONGITUD	FE %-S	MG %-S	CA %-S	TI %-S	MN PPM-S	AG PPM-S	B PPM-S	BA PPM-S
6SC500R	17 44 40	64 52 50	.70	.50	1.00	.070	200	N	15	200
6SC501R	17 44 58	64 52 14	3.00	1.00	.50	.500	1,000	N	10	150
6SC502R	17 45 3	64 52 19	1.50	.50	1.00	.150	700	N	30	300
6SC504R	17 44 45	64 52 48	3.00	1.00	1.50	.300	500	N	20	700
6SC505R	17 44 49	64 52 38	3.00	1.00	.70	.300	500	N	30	100
6SC506R	17 45 13	64 52 18	2.00	1.50	1.50	.300	500	N	20	700
6SC507R	17 45 4	64 51 55	3.00	.70	5.00	.300	700	N	10	20
6SC508R	17 45 1	64 51 49	5.00	1.50	3.00	.300	1,000	N	10	<20
6SC509R	17 44 37	64 52 14	3.00	1.50	3.00	.200	700	N	<10	200
6SC513R	17 44 48	64 53 22	3.00	2.00	.50	.300	300	N	30	500
6SC514R	17 45 35	64 34 25	5.00	1.50	3.00	.300	1,000	N	15	300
6SC515R	17 45 12	64 52 2	3.00	1.50	5.00	.300	1,000	N	15	70
6SC516R	17 44 57	64 35 29	7.00	3.00	5.00	.500	1,000	N	70	500
6SC517R	17 44 57	64 35 29	3.00	2.00	20.00	.200	700	N	50	300
6SC519R	17 44 0	64 52 56	2.00	.70	3.00	.300	700	N	15	150
6SC520R	17 45 14	64 53 19	2.00	.70	1.00	.200	500	N	20	500
6SC521R	17 45 14	64 53 9	2.00	1.50	7.00	.150	700	N	N	200
6SC522R	17 45 16	64 53 1	3.00	3.00	11.50	.500	1,000	N	10	1,500
6SC523R	17 45 18	64 52 58	3.00	1.00	10.00	.020	3,000	N	>2,000	<20
6SC524R	17 45 25	64 52 54	3.00	.70	.70	.500	700	N	150	1,000
6SC525R	17 45 18	64 52 45	3.00	.70	.20	.300	700	N	20	300
6SC534R	17 42 32	64 52 2	3.00	1.00	1.50	.200	300	N	<10	1,000
6SC535R	17 42 57	64 52 3	1.50	.70	7.00	.150	1,000	N	15	500
6SC536R	17 42 50	64 51 35	3.00	1.00	3.00	.300	700	N	15	1,000
6SC538R	17 43 16	64 51 24	5.00	2.00	3.00	.500	1,000	N	<10	1,000
6SC539R	17 43 22	64 51 15	3.00	1.00	3.00	.300	1,000	N	20	700
6SC540R	17 43 14	64 51 9	3.00	1.00	7.00	.300	1,500	N	15	700
6SC547R	17 45 9	64 44 47	.70	.50	20.00	.050	150	N	N	100
6SC551R	17 44 40	64 39 46	.20	.02	<.05	.003	70	N	<10	N
6SC553R	17 44 34	64 40 7	1.00	.30	5.00	.050	500	N	<10	70
6SC557R	17 44 43	64 40 6	5.00	3.00	3.00	.500	1,000	N	N	1,000
7SC003R	17 45 13	64 52 4	5.00	1.50	2.00	.300	1,000	N	<10	1,500
7SC003R1	17 45 13	64 52 4	3.00	2.00	5.00	.200	700	N	N	500
7SC005R	17 45 7	64 52 34	7.00	1.50	3.00	.500	700	N	10	700
7SC006R	17 45 6	64 52 44	5.00	1.50	1.00	.200	700	.5	<10	2,000
7SC007R	17 45 4	64 52 55	3.00	1.50	5.00	.200	700	N	<10	500
7SC007R1	17 45 4	64 52 55	2.00	1.00	10.00	.200	1,000	<.5	150	1,000
7SC007R3	17 45 4	64 52 55	3.00	1.50	5.00	.300	700	N	10	1,500
7SC007R4	17 45 4	64 52 55	1.50	.70	15.00	.030	700	N	<10	30
7SC008R	17 45 0	64 53 5	3.00	2.00	10.00	.300	700	N	10	200
7SC009R	17 44 54	64 53 15	2.00	1.00	15.00	.100	1,000	.5	<10	1,000
7SC013R	17 44 55	64 52 47	2.00	1.00	15.00	.100	1,000	1.0	10	700
7SC013R	17 44 55	64 52 47	.70	.30	15.00	.050	700	.5	50	1,000
7SC014R	17 45 0	64 52 39	5.00	2.00	1.50	.300	700	N	10	1,500
7SC017R	17 45 12	64 52 8	3.00	1.00	.20	.300	500	.5	20	1,500

TABLE 8. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 155 ROCK SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	BE PPM-S	BI PPM-S	CO PPM-S	CR PPM-S	CU PPM-S	LA PPM-S	MO PPM-S	NI PPM-S	PB PPM-S	SC PPM-S
6SC500R	<1.0	N	70	50	30	N	N	30	<10	5
6SC501R	N	N	20	20	100	N	N	20	10	20
6SC502R	<1.0	N	10	50	70	<20	N	50	10	7
6SC504R	<1.0	N	20	50	70	<20	N	30	10	10
6SC505R	<1.0	N	20	70	70	<20	N	50	<10	10
6SC506R	<1.0	N	15	100	70	<20	N	100	<10	10
6SC507R	N	N	15	10	20	N	N	5	<10	15
6SC508R	N	N	50	20	100	<20	N	15	10	30
6SC509R	N	N	30	150	70	N	N	30	<10	30
6SC513R	<1.0	N	50	500	150	<20	N	300	10	15
6SC514R	<1.0	N	10	20	20	<20	N	10	<10	10
6SC515R	N	N	30	<10	50	N	N	7	10	20
6SC516R	<1.0	N	20	70	100	N	N	50	<10	20
6SC517R	<1.0	N	7	50	50	<20	N	20	<10	10
6SC519R	N	N	20	70	50	<20	N	30	<10	15
6SC520R	1.0	N	15	100	70	20	N	100	<10	10
6SC521R	<1.0	N	15	150	50	<20	N	150	N	10
6SC522R	N	N	50	300	50	20	N	200	<10	20
6SC523R	5.0	N	N	<10	15	N	N	20	<10	5
6SC524R	<1.0	N	50	150	150	<20	N	100	20	20
6SC525R	<1.0	N	20	70	70	N	<5	50	10	10
6SC534R	N	N	15	100	50	<20	N	30	<10	10
6SC535R	<1.0	N	10	10	30	<20	N	10	<10	7
6SC536R	<1.0	N	20	30	70	<20	N	20	10	20
6SC538R	N	N	70	150	100	N	N	70	<10	30
6SC539R	<1.0	N	10	15	50	<20	N	15	10	15
6SC540R	N	N	15	10	30	<20	N	20	<10	15
6SC547R	N	N	N	20	7	<20	N	<5	N	N
6SC551R	N	N	N	10	7	N	N	5	N	N
6SC553R	1.5	N	<5	70	30	<20	N	70	N	5
6SC557R	N	N	50	200	150	<20	N	150	<10	30
7SC003R	N	N	20	100	50	N	N	15	20	20
7SC003R1	<1.0	N	30	300	50	<50	N	70	15	20
7SC005R	<1.0	N	30	100	50	N	N	50	20	20
7SC006R	<1.0	N	20	150	50	N	N	50	15	15
7SC007R	<1.0	N	15	50	50	<50	N	30	20	15
7SC007R1	2.0	N	10	100	30	<50	N	30	15	10
7SC007R3	<1.0	N	20	50	50	N	N	30	15	15
7SC007R4	N	N	N	<10	20	N	N	5	20	<5
7SC008R	1.0	N	15	70	50	<50	N	50	10	20
7SC009R	<1.0	N	10	100	30	<50	N	50	15	7
7SC013R	<1.0	N	10	100	30	<50	N	50	20	7
7SC013R	N	N	N	15	20	N	N	10	10	<5
7SC014R	<1.0	N	20	150	50	N	N	50	15	20
7SC017R	<1.0	N	20	200	50	N	N	50	20	20

TABLE 8. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 155 ROCK SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	SN PPM-S	SR PPM-S	V PPM-S	Y PPM-S	ZN PPM-S	ZR PPM-S	GA PPM-S	GE PPM-S	NA %-S	P %-S
6SC500R	N	<100	30	N	N	20	--	--	--	--
6SC501R	N	500	150	15	N	30	--	--	--	--
6SC502R	N	N	70	10	N	30	--	--	--	--
6SC504R	N	700	100	15	N	100	--	--	--	--
6SC505R	N	300	150	15	N	70	--	--	--	--
6SC506R	N	500	70	15	N	50	--	--	--	--
6SC507R	N	700	150	15	N	70	--	--	--	--
6SC508R	N	500	200	20	<200	30	--	--	--	--
6SC509R	N	300	200	15	N	30	--	--	--	--
6SC513R	N	300	150	20	N	100	--	--	--	--
6SC514R	N	500	150	15	N	100	--	--	--	--
6SC515R	N	700	150	15	N	20	--	--	--	--
6SC516R	N	300	300	20	N	50	--	--	--	--
6SC517R	N	150	150	10	N	15	--	--	--	--
6SC519R	N	500	100	15	N	30	--	--	--	--
6SC520R	N	N	100	15	N	30	--	--	--	--
6SC521R	N	300	70	15	N	30	--	--	--	--
6SC522R	N	300	150	20	N	100	--	--	--	--
6SC523R	N	N	150	<10	500	<10	--	--	--	--
6SC524R	N	700	150	15	N	50	--	--	--	--
6SC525R	N	200	100	15	N	100	--	--	--	--
6SC534R	N	200	100	15	N	30	--	--	--	--
6SC535R	N	500	70	15	N	30	--	--	--	--
6SC536R	N	700	150	20	N	50	--	--	--	--
6SC538R	N	500	300	20	N	50	--	--	--	--
6SC539R	N	500	150	15	N	50	--	--	--	--
6SC540R	N	700	100	20	N	150	--	--	--	--
6SC547R	N	500	20	<10	N	<10	--	--	--	--
6SC551R	N	N	10	N	N	N	--	--	--	--
6SC553R	N	N	30	N	N	15	--	--	--	--
6SC557R	N	1,000	200	20	N	100	--	--	--	--
7SC003R	N	500	200	15	N	30	--	--	--	--
7SC003R1	N	200	150	15	N	70	--	--	--	--
7SC005R	N	500	150	20	N	70	--	--	--	--
7SC006R	N	500	150	15	N	50	--	--	--	--
7SC007R	N	500	100	20	N	70	--	--	--	--
7SC007R1	N	700	100	15	N	50	--	--	--	--
7SC007R3	N	500	150	15	N	50	--	--	--	--
7SC007R4	N	1,000	150	N	N	10	--	--	--	--
7SC008R	N	500	100	15	N	100	--	--	--	--
7SC009R	N	300	70	10	N	30	--	--	--	--
7SC013R	N	500	100	15	N	30	--	--	--	--
7SC013R	N	1,000	30	N	N	10	--	--	--	--
7SC014R	N	300	150	20	N	70	--	--	--	--
7SC017R	N	150	150	20	N	50	--	--	--	--

TABLE 8. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 155 ROCK SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	LATITUDE	LONGITUD	FE %-S	MG %-S	CA %-S	TI %-S	MN PPM-S	AG PPM-S	B PPM-S	BA PPM-S
7SC017R1	17 45 12	64 52 8	3.00	1.00	5.00	.200	500	.5	15	1,000
7SC019R	17 46 24	64 46 23	7.00	2.00	3.00	.300	1,000	N	<10	700
7SC020R	17 46 30	64 46 37	5.00	2.00	3.00	.200	1,000	N	10	150
7SC021R	17 46 21	64 46 51	5.00	2.00	3.00	.300	1,000	N	<10	1,000
7SC022R	17 46 8	64 47 8	3.00	1.50	3.00	.300	700	N	<10	1,000
7SC023R	17 45 54	64 47 41	5.00	1.00	3.00	.300	700	N	10	1,000
7SC023R1	17 45 54	64 47 41	3.00	1.50	10.00	.150	700	N	<10	100
7SC023R2	17 45 54	64 47 41	3.00	1.00	10.00	.150	700	N	<10	700
7SC023R3	17 45 54	64 47 41	7.00	2.00	1.50	.300	1,000	N	10	300
7SC024R	17 46 8	64 47 57	5.00	2.00	3.00	.200	1,000	N	<10	500
7SC025R	17 46 7	64 48 10	5.00	2.00	3.00	.300	1,000	N	<10	N
7SC031R	17 45 5	64 52 1	5.00	1.50	3.00	.300	700	<.5	20	700
7SC036R	17 45 31	64 51 28	5.00	1.50	3.00	.300	1,000	N	10	1,000
7SC037R	17 45 25	64 51 19	5.00	2.00	3.00	.300	1,000	N	<10	300
7SC039R	17 45 37	64 51 25	7.00	2.00	3.00	.300	1,000	N	<10	1,000
7SC040R	17 45 46	64 51 37	1.50	.20	.20	.070	150	N	N	150
7SC041R	17 45 57	64 52 7	2.00	1.00	15.00	.150	700	N	N	200
7SC043R	17 44 47	64 53 24	1.50	.50	15.00	.050	700	N	10	500
7SC044R	17 45 15	64 53 9	.15	.15	.70	<.002	150	N	<10	150
7SC048R	17 43 15	64 51 16	7.00	3.00	5.00	.500	1,000	N	N	1,000
7SC048R3	17 43 15	64 51 16	.70	.07	.05	.005	50	N	N	30
7SC053R	17 44 10	64 52 57	3.00	1.00	.30	.500	500	N	N	2,000
7SC053R1	17 44 10	64 52 57	.50	.07	.05	.030	150	N	N	700
7SC071R	17 45 0	64 52 21	5.00	1.50	3.00	.500	1,000	N	15	300
7SC072R	17 44 58	64 52 28	5.00	1.00	2.00	.300	1,000	N	<10	700
7SC073R	17 44 50	64 52 40	5.00	1.50	1.50	.300	700	N	10	1,500
7SC074R	17 44 48	64 52 47	5.00	1.50	5.00	.300	700	<.5	10	500
7SC075R	17 44 25	64 53 19	3.00	1.50	10.00	.200	700	N	N	1,000
7SC078R	17 44 22	64 52 25	5.00	1.00	10.00	.300	700	N	20	1,500
7SC088R	17 44 54	64 52 0	2.00	.70	20.00	.070	1,000	N	<10	500
7SC094R	17 44 17	64 51 40	5.00	.70	3.00	.300	500	N	30	700
7SC095R	17 44 26	64 51 39	1.00	.30	15.00	.050	500	N	N	N
7SC096R	17 44 32	64 51 36	1.00	.50	15.00	.070	500	N	N	N
7SC097R	17 44 37	64 51 25	3.00	1.00	15.00	.150	700	N	10	500
7SC098R	17 44 59	64 51 59	5.00	1.50	5.00	.200	1,000	N	<10	70
7SC099R	17 45 0	64 52 8	5.00	1.50	7.00	.200	700	N	<10	1,000
7SC102R	17 44 51	64 52 36	2.00	.70	5.00	.100	700	N	700	300
7SC105R	17 45 44	64 47 45	3.00	1.00	10.00	.150	700	N	10	300
7SC106R	17 45 41	64 47 41	5.00	2.00	5.00	.300	1,000	N	<10	1,500
7SC122R	17 45 7	64 52 16	5.00	1.00	2.00	.200	700	<.5	15	1,500
8SC001R	17 45 30	64 50 16	7.00	1.50	5.00	.300	1,000	N	N	150
8SC002R	17 45 33	64 49 13	7.00	2.00	10.00	.300	1,500	N	<10	200
8SC005R	17 44 19	64 48 52	5.00	1.50	5.00	.200	1,000	N	<10	300
8SC005R1	17 44 19	64 48 52	3.00	1.50	5.00	.200	700	N	10	700
8SC005R2	17 44 19	64 48 52	7.00	1.50	7.00	.300	1,000	N	10	500

TABLE 8. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 155 ROCK SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	BE PPM-S	BI PPM-S	CO PPM-S	CR PPM-S	CU PPM-S	LA PPM-S	MO PPM-S	NI PPM-S	PB PPM-S	SC PPM-S
7SC017R1	<1.0	N	15	100	30	N	N	30	15	15
7SC019R	<1.0	N	50	70	50	N	N	20	15	20
7SC020R	N	N	30	10	50	N	N	10	10	20
7SC021R	N	N	30	20	70	N	N	20	10	20
7SC022R	<1.0	N	20	30	50	N	N	15	15	20
7SC023R	<1.0	N	20	15	50	N	N	15	15	15
7SC023R1	<1.0	N	15	20	30	N	N	5	<10	15
7SC023R2	<1.0	N	15	15	50	N	N	10	10	10
7SC023R3	<1.0	N	30	50	70	N	N	20	15	30
7SC024R	N	N	20	100	30	N	N	20	10	20
7SC025R	N	N	30	30	70	N	N	20	15	20
7SC031R	<1.0	N	20	100	50	N	N	50	15	20
7SC036R	<1.0	N	20	15	30	N	N	7	20	20
7SC037R	<1.0	N	20	15	70	N	N	5	15	20
7SC039R	<1.0	N	30	50	50	N	N	10	20	20
7SC040R	<1.0	N	N	15	20	N	N	7	<10	5
7SC041R	<1.0	N	15	70	30	N	N	7	<10	10
7SC043R	<1.0	N	<10	15	20	N	N	15	<10	<5
7SC044R	N	N	N	<10	7	N	N	<5	<10	N
7SC048R	N	N	50	200	150	N	N	50	10	20
7SC048R3	N	N	N	10	30	N	N	<5	<10	N
7SC053R	1.0	N	10	10	30	<50	N	<5	20	15
7SC053R1	<1.0	N	N	<10	7	N	N	<5	10	N
7SC071R	<1.0	N	20	100	50	<50	N	20	10	20
7SC072R	<1.0	N	20	100	30	N	N	30	10	20
7SC073R	<1.0	N	30	150	50	<50	N	50	10	20
7SC074R	<1.0	N	30	500	30	N	N	150	10	15
7SC075R	N	N	15	200	30	N	N	100	<10	15
7SC078R	<1.0	N	20	100	50	N	N	30	20	20
7SC088R	N	N	<10	30	20	<50	N	7	10	10
7SC094R	<1.0	N	30	70	30	N	N	20	10	30
7SC095R	N	N	N	N	15	N	N	<5	N	<5
7SC096R	<1.0	N	N	<10	15	N	N	<5	N	5
7SC097R	<1.0	N	20	100	30	N	N	20	30	15
7SC098R	<1.0	N	30	15	30	N	N	7	20	20
7SC099R	<1.0	N	30	100	30	N	N	30	10	20
7SC102R	1.5	N	<10	30	7	N	N	30	<10	7
7SC105R	N	N	20	20	30	N	N	15	15	15
7SC106R	<1.0	N	30	200	30	N	N	50	20	20
7SC122R	<1.0	N	30	150	50	N	N	50	20	20
8SC001R	N	N	30	10	30	N	N	<5	15	20
8SC002R	<1.0	N	50	200	300	<50	N	50	15	30
8SC005R	<1.0	N	20	50	50	N	N	10	15	20
8SC005R1	1.0	N	15	20	50	N	N	7	20	20
8SC005R2	N	N	50	50	50	N	N	15	15	30

TABLE 8. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 155 ROCK SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	SN PPM-S	SR PPM-S	V PPM-S	Y PPM-S	ZN PPM-S	ZR PPM-S	GA PPM-S	GE PPM-S	NA %-S	P %-S
7SC017R1	N	300	100	15	N	50	--	--	--	--
7SC019R	N	500	200	20	N	50	--	--	--	--
7SC020R	N	300	150	15	N	20	--	--	--	--
7SC021R	N	300	150	20	N	50	--	--	--	--
7SC022R	N	300	150	15	N	100	--	--	--	--
7SC023R	N	500	100	15	N	50	--	--	--	--
7SC023R1	N	200	150	15	N	30	--	--	--	--
7SC023R2	N	200	150	15	N	50	--	--	--	--
7SC023R3	N	500	200	20	N	50	--	--	--	--
7SC024R	N	300	150	15	N	50	--	--	--	--
7SC025R	N	300	200	20	N	50	--	--	--	--
7SC031R	N	300	150	15	N	50	--	--	--	--
7SC036R	N	500	200	15	N	50	--	--	--	--
7SC037R	N	500	200	15	N	50	--	--	--	--
7SC039R	N	700	200	20	N	50	--	--	--	--
7SC040R	N	N	50	N	N	30	--	--	--	--
7SC041R	N	300	100	15	N	30	--	--	--	--
7SC043R	N	500	70	N	N	10	--	--	--	--
7SC044R	N	N	15	N	N	N	--	--	--	--
7SC048R	N	500	200	20	N	50	--	--	--	--
7SC048R3	N	N	30	N	N	N	--	--	--	--
7SC053R	N	300	150	30	N	100	--	--	--	--
7SC053R1	N	N	20	N	N	15	--	--	--	--
7SC071R	N	300	200	20	N	100	--	--	--	--
7SC072R	N	700	150	20	N	70	--	--	--	--
7SC073R	N	700	150	30	N	70	--	--	--	--
7SC074R	N	300	100	15	N	70	--	--	--	--
7SC075R	N	500	100	15	N	70	--	--	--	--
7SC078R	N	500	150	20	N	70	--	--	--	--
7SC088R	N	500	70	15	N	20	--	--	--	--
7SC094R	N	500	200	20	N	100	--	--	--	--
7SC095R	N	<100	70	N	N	10	--	--	--	--
7SC096R	N	100	70	<10	N	10	--	--	--	--
7SC097R	N	300	150	15	N	50	--	--	--	--
7SC098R	N	700	200	15	N	70	--	--	--	--
7SC099R	N	500	150	15	N	50	--	--	--	--
7SC102R	N	300	100	<10	N	30	--	--	--	--
7SC105R	N	300	150	15	N	50	--	--	--	--
7SC106R	N	500	200	20	N	100	--	--	--	--
7SC122R	N	500	150	20	N	70	--	--	--	--
8SC001R	N	700	200	20	<200	30	20	N	1.5	N
8SC002R	N	1,000	300	30	<200	70	30	N	1.5	.2
8SC005R	N	700	150	20	<200	50	30	N	2.0	N
8SC005R1	N	500	100	20	N	70	50	N	5.0	N
8SC005R2	N	500	150	20	<200	50	30	N	2.0	N

TABLE 8. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 155 ROCK SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	LATITUDE	LONGITUD	FE %-S	MG %-S	CA %-S	TI %-S	MN PPM-S	AG PPM-S	B PPM-S	BA PPM-S
8SC007R	17 45 36	64 49 26	5.00	1.00	2.00	.300	1,000	N	<10	500
8SC008R	17 45 36	64 49 36	7.00	1.50	7.00	.300	1,000	N	10	700
8SC009R	17 45 36	64 49 46	3.00	1.00	7.00	.300	1,000	.5	10	150
8SC010R	17 45 33	64 49 54	5.00	1.00	10.00	.200	700	N	10	300
8SC012R	17 45 33	64 49 54	7.00	1.50	2.00	.300	700	N	10	300
8SC014R	17 45 37	64 49 55	5.00	2.00	5.00	.200	1,000	N	<10	150
8SC017R	17 43 55	64 49 10	3.00	.70	15.00	.200	700	N	15	700
8SC027R	17 45 30	64 48 10	3.00	1.50	5.00	.300	1,000	N	10	1,000
8SC029R	17 45 25	64 48 0	7.00	.30	.30	.070	300	.7	15	20
8SC031R	17 43 3	64 48 56	1.00	1.00	20.00	.070	500	N	30	500
8SC032R	17 44 5	64 47 18	.70	.70	15.00	.070	300	N	10	500
8SC033R	17 45 21	64 46 21	.70	.70	20.00	.003	500	N	N	30
8SC033R1	17 45 21	64 46 21	1.00	.70	15.00	.070	500	N	<10	500
8SC034R	17 44 6	64 41 28	5.00	2.00	5.00	.500	1,000	N	10	2,000
8SC035R	17 44 31	64 39 50	5.00	.10	.10	.007	300	N	<10	50
8SC036R	17 44 33	64 39 46	5.00	2.00	5.00	.150	1,000	N	10	700
8SC037R	17 44 38	64 39 54	7.00	3.00	7.00	.500	1,500	N	N	500
8SC038R	17 44 41	64 39 52	.70	.05	.05	.010	70	N	N	50
8SC039R	17 45 22	64 37 36	2.00	.70	.07	.200	700	N	10	700
8SC040R	17 45 18	64 37 26	2.00	.50	.20	.100	500	1.0	10	200
8SC041R	17 45 12	64 37 47	2.00	1.50	10.00	.150	1,000	N	15	1,000
8SC041R1	17 45 12	64 37 47	1.00	.50	5.00	.030	700	N	<10	150
8SC042R	17 44 53	64 35 53	7.00	2.00	5.00	.300	1,000	N	N	500
8SC043R	17 44 57	64 35 26	5.00	2.00	7.00	.500	1,000	N	15	150
8SC044R	17 44 57	64 35 22	3.00	1.50	3.00	.300	1,500	N	20	1,000
4ST500R	17 18 22	64 52 27	15.00	.15	.05	.200	150	10.0	15	150
4ST501R	17 18 22	64 52 35	15.00	.10	.05	.200	300	<.5	N	70
4ST502R	17 18 20	64 52 40	7.00	.07	<.05	.070	50	N	<10	50
4ST503R	17 18 24	64 52 38	3.00	.10	.05	.100	50	N	N	<20
4ST504R	17 18 26	64 52 36	15.00	.10	<.05	.150	100	.5	N	<20
4ST505R	17 18 30	64 52 47	20.00	.20	<.05	.300	100	N	10	500
4ST505R1	17 18 30	64 52 47	1.50	.20	.15	.200	200	N	<10	300
4ST505R2	17 18 30	64 52 47	15.00	.30	.20	.070	100	N	70	200
4ST505R3	17 18 30	64 52 47	20.00	.15	.10	.100	150	N	70	<20
4ST505R4	17 18 30	64 52 47	>20.00	.10	<.05	.300	200	N	N	<20
4ST506	17 18 38	64 52 46	5.00	.30	<.05	.150	70	.7	N	200
4ST507R	17 18 46	64 52 54	3.00	2.00	<.05	.200	1,500	N	N	150
4ST507R	17 18 46	64 52 54	5.00	.10	N	.050	50	N	<10	100
4ST508R	17 18 55	64 53 5	2.00	.70	.07	.200	300	N	N	70
4ST508R1	17 18 55	64 53 5	5.00	.20	<.05	.150	150	50.0	<10	150
4ST508R2	17 18 55	64 53 5	1.50	.03	<.05	.150	<10	N	N	<20
4ST509R	17 18 57	64 53 30	20.00	.50	.07	.200	70	N	30	150
4ST509R1	17 18 57	64 53 30	1.50	.50	.05	.070	300	N	10	N
4ST509R2	17 18 57	64 53 30	>20.00	.10	<.05	.300	70	N	N	100
4ST509R3	17 18 57	64 53 30	2.00	<.02	<.05	.010	10	N	<10	30

TABLE 8. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 155 ROCK SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	BE PPM-S	BI PPM-S	CO PPM-S	CR PPM-S	CU PPM-S	LA PPM-S	MO PPM-S	NI PPM-S	PB PPM-S	SC PPM-S
8SC007R	<1.0	N	15	<10	15	N	N	<5	15	15
8SC008R	<1.0	N	30	50	30	N	N	30	15	20
8SC009R	<1.0	N	15	15	50	N	N	<5	10	15
8SC010R	<1.0	N	20	50	30	N	N	20	10	20
8SC012R	N	N	20	30	30	N	N	<5	15	20
8SC014R	N	N	30	50	30	N	N	5	10	30
8SC017R	<1.0	N	20	20	30	<50	N	<5	15	15
8SC027R	<1.0	N	20	100	20	<50	N	10	20	15
8SC029R	N	N	N	15	300	N	N	<5	15	5
8SC031R	<1.0	N	N	70	30	N	N	5	20	5
8SC032R	<1.0	N	N	50	20	N	N	<5	15	5
8SC033R	N	N	N	N	20	N	N	N	N	N
8SC033R1	<1.0	N	<10	30	30	<50	N	<5	10	5
8SC034R	<1.0	N	30	50	50	<50	N	10	15	20
8SC035R	N	N	30	20	300	N	70	10	10	N
8SC036R	<1.0	N	50	200	30	N	N	50	20	20
8SC037R	<1.0	N	50	700	20	<50	N	70	15	30
8SC038R	N	N	N	10	20	N	N	5	<10	N
8SC039R	<1.0	N	15	70	30	<50	N	30	10	10
8SC040R	<1.0	N	10	100	30	N	N	30	<10	10
8SC041R	1.0	N	10	100	70	<50	N	50	15	15
8SC041R1	N	N	N	20	15	N	N	7	N	<5
8SC042R	N	N	70	500	70	N	N	50	10	30
8SC043R	N	N	70	300	100	N	N	50	10	50
8SC044R	<1.0	N	15	20	30	<50	N	<5	15	15
4ST500R	N	150	100	70	300	N	N	15	10	5
4ST501R	<1.0	150	10	70	500	N	15	10	10	10
4ST502R	N	N	N	30	100	N	5	5	<10	<5
4ST503R	N	N	N	15	70	N	N	5	N	<5
4ST504R	N	N	7	20	30	N	20	5	N	<5
4ST505R	N	N	N	500	30	N	N	7	10	20
4ST505R1	<1.0	N	N	<10	1,000	N	N	5	N	5
4ST505R2	N	N	N	<10	50	N	50	<5	<10	<5
4ST505R3	N	N	<5	20	50	<20	N	5	<10	5
4ST505R4	<1.0	N	5	200	70	N	70	30	<10	15
4ST506	N	N	N	<10	50	N	N	5	<10	<5
4ST507R	<1.0	N	N	N	<5	N	N	<5	N	5
4ST507R	N	N	N	<10	150	N	100	5	N	<5
4ST508R	<1.0	N	<5	N	30	N	N	5	N	5
4ST508R1	N	N	<5	50	700	N	N	5	20	20
4ST508R2	<1.0	N	<5	<10	5	N	N	5	N	<5
4ST509R	<1.0	N	5	15	50	N	70	<5	10	10
4ST509R1	<1.0	N	N	N	5	N	N	<5	N	5
4ST509R2	N	N	N	200	150	N	N	5	<10	20
4ST509R3	N	N	<5	15	7	N	150	7	N	N

TABLE 8. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 155 ROCK SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	SN PPM-S	SR PPM-S	V PPM-S	Y PPM-S	ZN PPM-S	ZR PPM-S	GA PPM-S	GE PPM-S	NA %-S	P %-S
8SC007R	N	300	150	20	N	50	30	N	3.0	N
8SC008R	N	700	150	20	<200	70	30	N	1.5	N
8SC009R	N	N	150	15	N	70	30	N	1.0	N
8SC010R	N	700	150	20	<200	50	20	N	1.0	N
8SC012R	N	500	150	20	<200	50	50	N	5.0	N
8SC014R	N	300	200	15	<200	15	30	N	2.0	N
8SC017R	N	300	150	20	N	50	30	N	5.0	N
8SC027R	N	700	200	20	N	70	50	N	3.0	<.2
8SC029R	N	N	70	N	N	15	20	N	.2	N
8SC031R	N	300	70	15	N	20	10	N	1.0	N
8SC032R	N	300	70	10	N	20	<5	N	1.0	N
8SC033R	N	1,000	15	N	N	N	N	N	.3	N
8SC033R1	N	300	70	<10	N	15	10	N	1.5	N
8SC034R	N	500	200	20	N	150	30	N	2.0	<.2
8SC035R	N	N	300	N	N	N	5	N	N	N
8SC036R	N	700	150	20	N	50	30	N	3.0	<.2
8SC037R	N	500	200	30	<200	70	20	N	1.5	N
8SC038R	N	N	70	N	N	<10	N	N	N	N
8SC039R	N	150	100	20	N	50	7	N	1.0	N
8SC040R	N	N	100	15	N	30	7	N	1.0	N
8SC041R	N	500	70	15	N	50	20	N	2.0	N
8SC041R1	N	300	50	N	N	10	N	N	N	N
8SC042R	N	500	200	20	<200	30	30	N	2.0	N
8SC043R	N	700	300	20	<200	30	20	N	1.5	N
8SC044R	N	700	150	20	N	70	30	N	2.0	<.2
4ST500R	N	N	200	15	N	10	--	--	--	--
4ST501R	N	N	200	15	N	15	--	--	--	--
4ST502R	N	N	100	200	N	N	--	--	--	--
4ST503R	N	N	20	20	N	100	--	--	--	--
4ST504R	N	N	150	N	N	N	--	--	--	--
4ST505R	N	N	500	<10	N	10	--	--	--	--
4ST505R1	N	N	20	20	N	100	--	--	--	--
4ST505R2	N	N	30	15	N	50	--	--	--	--
4ST505R3	N	N	70	15	N	15	--	--	--	--
4ST505R4	N	N	200	15	N	10	--	--	--	--
4ST506	N	N	30	20	N	70	--	--	--	--
4ST507R	N	N	<10	30	N	150	--	--	--	--
4ST507R	N	N	70	<10	N	30	--	--	--	--
4ST508R	N	N	10	20	N	100	--	--	--	--
4ST508R1	N	N	200	10	<200	N	--	--	--	--
4ST508R2	N	N	10	20	N	100	--	--	--	--
4ST509R	N	N	30	30	N	100	--	--	--	--
4ST509R1	N	N	N	30	N	50	--	--	--	--
4ST509R2	N	N	500	20	N	10	--	--	--	--
4ST509R3	N	N	<10	N	N	<10	--	--	--	--

TABLE 8. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 155 ROCK SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	LATITUDE	LONGITUD	FE %-S	MG %-S	CA %-S	TI %-S	MN PPM-S	AG PPM-S	B PPM-S	BA PPM-S
4ST510R	17 18 51	64 50 46	1.50	.30	.05	.200	100	N	30	150
4ST511R	17 19 11	64 50 55	5.00	2.00	1.50	.500	1,000	N	<10	200
4ST512R	17 19 25	64 51 20	3.00	1.00	.30	.500	700	N	N	100
4ST513R	17 19 26	64 51 45	7.00	2.00	7.00	1.000	1,000	N	70	<20
4ST514R	17 19 50	64 51 48	2.00	.50	.15	.200	500	N	15	20
4ST515R	17 19 49	64 51 34	1.50	.70	.20	.150	300	N	70	70
4ST515R1	17 19 49	64 51 34	5.00	.70	.05	.300	1,500	N	100	150
4ST515R2	17 19 49	64 51 34	.50	.07	<.05	.020	70	N	1,500	N
4ST516R	17 20 4	64 51 56	5.00	2.00	3.00	.500	1,000	N	N	150
4ST517R	17 19 19	64 52 4	5.00	.50	.05	.300	50	N	50	30
4ST518R	17 19 10	64 52 30	3.00	1.00	.70	.200	700	N	10	70
4ST519R	17 19 5	64 53 17	1.50	.07	<.05	.100	<10	N	N	30
4ST520R	17 19 28	64 53 11	2.00	.70	.15	.200	500	N	<10	70
4ST521R	17 19 47	64 52 55	7.00	1.00	7.00	1.000	1,000	N	15	20
4ST522R	17 19 54	64 52 38	2.00	1.00	.20	.200	300	N	N	N
8ST001R	18 20 3	64 50 52	5.00	1.00	.50	.300	1,000	N	15	500
8ST002R	18 20 3	64 50 52	3.00	.30	.07	.200	1,000	N	20	500
8ST002R1	18 20 3	64 50 52	.50	.02	<.05	.050	200	N	N	20
8ST003R	18 18 23	64 52 28	5.00	2.00	5.00	.200	1,000	N	10	200
8ST004R	18 18 23	64 52 28	20.00	.20	<.05	.030	100	2.0	<10	<20

TABLE 8. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 155 ROCK SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	BE PPM-S	BI PPM-S	CO PPM-S	CR PPM-S	CU PPM-S	LA PPM-S	MO PPM-S	NI PPM-S	PB PPM-S	SC PPM-S
4ST510R	<1.0	N	N	15	<5	<20	N	5	N	7
4ST511R	N	N	50	10	100	N	N	20	<10	20
4ST512R	N	N	10	10	30	N	N	5	<10	10
4ST513R	N	N	30	20	200	N	N	15	10	30
4ST514R	<1.0	N	N	15	30	<20	N	<5	<10	7
4ST515R	1.0	N	<5	10	7	N	N	<5	N	5
4ST515R1	1.0	N	10	10	10	N	N	7	<10	15
4ST515R2	<1.0	N	N	10	<5	N	N	5	N	N
4ST516R	N	N	15	<10	70	N	N	5	<10	30
4ST517R	<1.0	N	N	10	<5	N	N	5	<10	10
4ST518R	<1.0	N	10	10	50	N	N	10	N	7
4ST519R	<1.0	N	N	<10	<5	N	N	<5	N	5
4ST520R	<1.0	N	N	10	50	N	N	<5	<10	7
4ST521R	N	N	20	15	150	<20	N	15	15	20
4ST522R	<1.0	N	N	10	7	N	N	5	N	10
8ST001R	<1.0	N	20	<10	30	N	N	<5	15	20
8ST002R	<1.0	N	70	150	50	N	N	20	15	15
8ST002R1	N	N	N	20	7	N	N	<5	<10	<5
8ST003R	N	N	30	50	50	N	N	30	10	20
8ST004R	N	15	50	<10	70	N	N	<5	20	7

TABLE 8. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 155 ROCK SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	SN PPM-S	SR PPM-S	V PPM-S	Y PPM-S	ZN PPM-S	ZR PPM-S	GA PPM-S	GE PPM-S	NA %-S	P %-S
4ST510R	N	N	30	15	N	70	--	--	--	--
4ST511R	N	150	200	20	N	30	--	--	--	--
4ST512R	N	100	100	20	N	50	--	--	--	--
4ST513R	N	700	500	20	500	50	--	--	--	--
4ST514R	N	N	15	20	N	30	--	--	--	--
4ST515R	N	N	15	15	N	30	--	--	--	--
4ST515R1	N	N	70	30	N	100	--	--	--	--
4ST515R2	N	N	<10	N	N	<10	--	--	--	--
4ST516R	N	200	150	20	N	30	--	--	--	--
4ST517R	N	N	70	20	N	70	--	--	--	--
4ST518R	N	N	50	15	<200	30	--	--	--	--
4ST519R	N	N	<10	15	N	30	--	--	--	--
4ST520R	N	N	20	20	N	30	--	--	--	--
4ST521R	N	700	300	20	N	50	--	--	--	--
4ST522R	N	N	70	15	N	50	--	--	--	--
8ST001R	N	N	100	30	<200	100	30	N	2.0	N
8ST002R	N	N	150	20	<200	70	20	N	.7	N
8ST002R1	N	N	20	N	N	20	N	N	N	N
8ST003R	N	500	150	10	N	50	30	N	2.0	N
8ST004R	N	N	200	<10	N	N	20	N	.2	N

TABLE 9. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 150 SOIL SAMPLES FROM ST. CROIX AND ST. THOMAS

[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]

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

Sample	LATITUDE	LONGTUDE	FE %-S	MG %-S	CA %-S	TI %-S	MN PPM-S	AG PPM-S	B PPM-S	BA PPM-S
6SC516S	17 44 57	64 35 29	5.0	1.00	3.00	.20	1,000	3.0	20	300
6SC517S	17 44 57	64 35 29	3.0	.70	1.50	.20	700	N	15	300
6SC521S	17 45 14	64 53 9	5.0	1.50	2.00	.50	1,000	N	15	500
6SC522S	17 45 16	64 53 1	5.0	1.50	.70	.20	1,000	N	15	700
6SC523S	17 45 18	64 52 58	3.0	1.00	.30	.30	1,000	N	20	1,000
6SC525S	17 45 18	64 52 45	5.0	.70	.30	.50	700	N	20	1,000
7SC002S	17 45 9	64 52 3	3.0	.70	1.00	.20	700	N	10	700
7SC003S	17 45 13	64 52 4	3.0	1.00	1.00	.20	700	N	<10	700
7SC005S	17 45 7	64 52 34	3.0	1.00	.30	.30	700	N	20	700
7SC006S	17 45 6	64 52 44	5.0	1.00	.20	.30	700	1.0	15	1,000
7SC007S	17 45 4	64 52 55	3.0	.70	.70	.20	700	<.5	15	1,000
7SC008S	17 45 0	64 53 5	3.0	1.50	5.00	.20	700	<.5	15	1,000
7SC009S	17 44 54	64 53 15	3.0	1.50	.70	.20	700	<.5	20	1,500
7SC010S	17 44 55	64 53 22	3.0	1.00	.15	.20	700	N	20	1,500
7SC011S	17 44 46	64 53 15	3.0	1.50	.20	.20	700	N	10	1,000
7SC012S	17 44 53	64 53 6	3.0	1.50	.50	.20	700	N	20	1,500
7SC013S	17 44 55	64 52 47	3.0	1.00	3.00	.15	700	.5	20	1,500
7SC015S	17 45 11	64 52 6	3.0	1.00	.20	.20	700	1.0	15	1,000
7SC016S	17 45 10	64 52 7	3.0	.70	1.00	.20	700	.5	20	700
7SC018S	17 45 8	64 52 12	3.0	.70	.30	.20	700	1.0	20	1,000
7SC019S	17 46 24	64 46 23	3.0	1.00	1.00	.20	700	N	10	150
7SC020S	17 46 30	64 46 37	3.0	1.00	1.00	.20	700	N	15	700
7SC021S	17 46 21	64 46 51	3.0	1.00	1.00	.20	700	N	10	200
7SC022S	17 46 8	64 47 8	3.0	.70	.70	.20	700	N	10	300
7SC023S	17 45 54	64 47 41	5.0	1.00	1.00	.20	700	N	10	500
7SC024S	17 46 8	64 47 57	3.0	1.00	7.00	.15	700	N	<10	200
7SC026S	17 43 51	64 50 28	5.0	1.50	2.00	.20	1,000	N	10	70
7SC027S	17 43 52	64 50 36	3.0	1.00	2.00	.20	1,000	N	10	700
7SC028S	17 43 5	64 50 38	3.0	1.00	1.50	.20	1,000	N	10	500
7SC029S	17 45 12	64 52 13	5.0	1.00	2.00	.20	1,000	N	15	700
7SC031S	17 45 11	64 51 53	3.0	.70	.70	.20	1,000	<.5	15	700
7SC032S	17 45 13	64 51 46	5.0	1.50	1.00	.30	700	<.5	20	700
7SC034S	17 45 4	64 51 18	3.0	.70	1.50	.20	1,000	N	15	200
7SC035S	17 44 51	64 51 23	3.0	1.00	1.50	.20	700	N	15	200
7SC036S	17 45 31	64 51 28	5.0	1.00	1.50	.30	700	N	15	200
7SC037S	17 45 25	64 51 19	3.0	.70	2.00	.20	700	N	15	500
7SC038S	17 45 24	64 51 15	5.0	1.00	1.00	.20	1,000	N	10	700
7SC039S	17 45 37	64 51 25	3.0	.70	2.00	.15	700	N	10	300
7SC040S	17 45 46	64 51 37	3.0	1.00	1.00	.20	700	N	10	1,000
7SC041S	17 45 57	64 52 7	5.0	1.00	.70	.20	700	<.5	15	1,000
7SC042S	17 45 12	64 52 9	5.0	1.50	10.00	.20	500	N	10	700
7SC049S	17 44 9	64 52 53	3.0	.70	1.00	.15	1,000	N	10	500
7SC050S	17 44 14	64 52 44	3.0	.70	.30	.20	700	N	15	700
7SC051S	17 44 8	64 52 37	3.0	1.00	.30	.20	700	N	15	1,000
7SC052S	17 44 12	64 52 45	3.0	.70	.30	.20	700	N	15	700

TABLE 9. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 150 SOIL SAMPLES FROM ST. CROIX AND ST. THOMAS [AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	BE PPM-S	BI PPM-S	CO PPM-S	CR PPM-S	CU PPM-S	LA PPM-S	MO PPM-S	NI PPM-S	PB PPM-S	SC PPM-S
6SC516S	<1.0	N	20	100	30	N	N	30	20	30
6SC517S	<1.0	N	15	100	30	N	N	15	20	20
6SC521S	1.0	N	30	200	100	<50	N	70	20	30
6SC522S	1.0	N	50	300	50	<50	N	200	20	20
6SC523S	1.0	N	50	100	70	<50	N	50	30	15
6SC525S	<1.0	N	30	100	100	N	N	20	15	20
7SC002S	<1.0	N	15	70	70	N	N	20	30	20
7SC003S	<1.0	N	20	100	50	N	N	20	30	20
7SC005S	1.5	N	20	100	50	<50	N	30	20	30
7SC006S	1.0	N	70	200	70	<50	N	70	20	30
7SC007S	1.0	N	50	150	70	<50	N	70	20	20
7SC008S	1.5	N	30	200	70	<50	N	100	20	15
7SC009S	1.5	N	30	200	50	<50	N	100	30	20
7SC010S	1.0	N	30	150	50	<50	N	100	20	20
7SC011S	1.0	N	30	200	50	<50	N	150	30	15
7SC012S	1.0	N	30	200	50	<50	N	100	20	15
7SC013S	1.0	N	15	150	50	<50	N	50	20	15
7SC015S	1.0	N	30	150	50	<50	N	30	20	20
7SC016S	<1.0	N	20	150	50	<50	N	30	300	20
7SC018S	1.0	N	15	100	50	<50	N	30	20	20
7SC019S	<1.0	N	20	70	50	N	N	15	15	20
7SC020S	N	N	20	30	50	<50	N	10	15	20
7SC021S	<1.0	N	20	50	50	<50	N	10	15	20
7SC022S	<1.0	N	15	15	30	<50	N	7	10	15
7SC023S	<1.0	N	30	100	50	<50	N	20	15	30
7SC024S	<1.0	N	20	150	50	<50	N	30	20	20
7SC026S	<1.0	N	30	100	100	N	N	30	20	20
7SC027S	<1.0	N	20	20	50	<50	N	10	30	20
7SC028S	<1.0	N	20	20	50	N	N	10	30	20
7SC029S	<1.0	N	20	20	50	<50	N	10	30	20
7SC031S	1.5	N	20	50	50	<50	N	30	20	20
7SC032S	<1.0	N	20	200	50	<50	N	50	30	20
7SC034S	<1.0	N	20	15	50	<50	N	15	30	20
7SC035S	<1.0	N	20	50	50	<50	N	20	30	20
7SC036S	<1.0	N	20	50	50	N	N	20	20	30
7SC037S	<1.0	N	20	10	50	N	N	<5	20	20
7SC038S	<1.0	N	30	50	100	N	N	20	20	30
7SC039S	<1.0	N	10	15	30	<50	N	5	20	15
7SC040S	<1.0	N	15	70	50	<50	N	15	20	20
7SC041S	<1.0	N	20	100	50	<50	N	30	20	20
7SC042S	<1.0	N	20	150	30	<50	N	30	20	20
7SC049S	<1.0	N	30	70	70	<50	N	10	30	20
7SC050S	<1.0	N	20	100	30	<50	N	20	20	15
7SC051S	1.0	N	20	100	50	<50	N	20	30	20
7SC052S	<1.0	N	20	100	30	<50	N	15	20	15

TABLE 9. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 150 SOIL SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	SN PPM-S	SR PPM-S	V PPM-S	Y PPM-S	ZN PPM-S	ZR PPM-S	GA PPM-S	GE PPM-S	NA %-S	P %-S
6SC516S	N	500	200	20	N	70	30	N	1.5	<.2
6SC517S	N	500	150	20	N	70	30	N	2.0	<.2
6SC521S	N	300	200	20	<200	150	50	N	1.0	N
6SC522S	N	300	150	20	<200	150	30	N	1.0	N
6SC523S	N	300	150	20	N	70	50	N	2.0	<.2
6SC525S	N	300	200	20	<200	100	30	N	1.5	N
7SC002S	N	300	150	20	N	50	30	N	3.0	N
7SC003S	N	300	150	15	N	50	50	N	3.0	N
7SC005S	N	300	150	30	<200	70	50	N	3.0	N
7SC006S	N	200	150	30	<200	70	30	N	1.0	N
7SC007S	N	300	150	30	N	70	50	N	2.0	N
7SC008S	N	300	100	20	N	70	50	N	2.0	N
7SC009S	N	150	100	30	N	70	50	N	1.0	N
7SC010S	N	100	150	20	N	100	30	N	1.0	N
7SC011S	N	200	70	20	<200	70	30	N	1.5	N
7SC012S	N	300	100	20	<200	70	50	N	2.0	<.2
7SC013S	N	300	100	20	<200	70	20	N	1.0	N
7SC015S	N	300	150	20	<200	70	30	N	1.5	N
7SC016S	15	300	150	20	200	50	20	N	1.5	<.2
7SC018S	N	300	150	20	<200	70	50	N	1.5	N
7SC019S	N	300	150	15	N	50	50	N	2.0	N
7SC020S	N	300	150	15	N	30	50	N	2.0	N
7SC021S	N	300	150	20	N	30	50	N	2.0	N
7SC022S	N	200	150	20	N	50	30	N	1.5	N
7SC023S	N	200	200	20	N	50	50	N	1.5	N
7SC024S	N	200	150	15	N	50	30	N	1.5	N
7SC026S	N	150	150	20	N	70	50	N	2.0	<.2
7SC027S	N	500	150	20	N	50	50	N	3.0	N
7SC028S	N	500	150	15	N	50	50	N	2.0	N
7SC029S	N	500	150	20	N	50	50	N	3.0	N
7SC031S	N	200	100	30	<200	100	30	N	1.5	N
7SC032S	N	300	150	20	N	70	50	N	2.0	<.2
7SC034S	N	300	150	15	N	50	30	N	1.5	<.2
7SC035S	N	300	150	20	<200	50	50	N	2.0	<.2
7SC036S	N	300	150	15	N	50	30	N	1.5	N
7SC037S	N	300	150	15	N	50	50	N	2.0	<.2
7SC038S	N	300	150	20	N	50	50	N	2.0	<.2
7SC039S	N	300	150	15	<200	30	20	N	1.0	N
7SC040S	N	300	150	20	N	50	50	N	1.5	N
7SC041S	N	300	150	30	N	100	50	N	2.0	N
7SC042S	N	300	150	20	<200	50	50	N	2.0	N
7SC049S	N	200	150	20	<200	30	50	N	2.0	<.2
7SC050S	N	300	150	20	N	70	30	N	1.5	<.2
7SC051S	N	300	100	20	<200	100	50	N	2.0	<.2
7SC052S	N	300	150	20	N	70	30	N	2.0	N

TABLE 9. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 150 SOIL SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	LATITUDE	LONGTUDE	FE %-S	MG %-S	CA %-S	TI %-S	MN PPM-S	AG PPM-S	B PPM-S	BA PPM-S
7SC054S	17 44 18	64 53 0	3.0	.70	.30	.30	700	N	20	700
7SC055S	17 44 15	64 53 0	3.0	1.00	.50	.30	1,500	N	20	1,500
7SC056S	17 44 14	64 52 52	3.0	.70	.30	.20	700	N	15	700
7SC057S	17 44 21	64 52 41	5.0	1.50	.70	.30	1,000	1.0	50	1,500
7SC058S	17 45 6	64 51 47	3.0	1.00	.70	.30	700	<.5	30	700
7SC059S	17 45 9	64 51 48	3.0	.70	1.50	.15	700	N	10	70
7SC060S	17 45 8	64 51 47	3.0	1.00	1.50	.20	700	N	15	200
7SC061S	17 45 7	64 51 47	5.0	1.00	1.50	.20	1,000	N	10	150
7SC063S	17 45 4	64 51 47	3.0	.70	.70	.20	700	<.5	15	300
7SC064S	17 45 3	64 51 47	3.0	.70	2.00	.15	700	N	15	300
7SC065S	17 45 2	64 51 48	3.0	.70	1.50	.15	700	N	10	200
7SC066S	17 45 5	64 51 45	5.0	1.50	2.00	.20	700	N	10	150
7SC067S	17 45 5	64 51 46	5.0	1.00	1.50	.20	1,000	N	10	50
7SC067XS	17 45 5	64 51 46	3.0	1.00	2.00	.20	1,000	N	<10	70
7SC068S	17 45 5	64 51 49	3.0	.70	1.50	.15	700	N	<10	700
7SC069S	17 45 5	64 51 51	3.0	.70	.70	.20	500	<.5	15	500
7SC074S	17 44 48	64 52 47	3.0	1.00	.30	.20	500	<.5	20	700
7SC077S	17 44 20	64 52 35	5.0	1.00	.30	.20	700	N	20	1,500
7SC078S	17 44 22	64 52 25	5.0	1.50	.20	.50	1,500	1.0	20	1,000
7SC079S	17 44 21	64 52 19	3.0	.70	.20	.50	1,000	N	15	1,000
7SC080S	17 44 26	64 52 11	3.0	.70	.20	.30	700	.7	30	700
7SC081S	17 44 32	64 52 1	3.0	.70	.20	.20	1,000	N	15	500
7SC082S	17 44 24	64 52 1	3.0	1.00	.30	.30	700	<.5	30	700
7SC083S	17 44 35	64 52 12	3.0	1.00	.70	.20	700	<.5	30	500
7SC084S	17 44 40	64 52 3	3.0	.70	.30	.15	700	N	20	500
7SC085S	17 44 44	64 51 56	3.0	.70	.50	.20	700	N	20	700
7SC086S	17 44 48	64 51 54	5.0	1.50	1.50	.30	1,000	N	30	150
7SC087S	17 44 44	64 52 1	5.0	1.00	1.00	.20	1,000	N	30	500
7SC091S	17 43 39	64 52 23	5.0	1.50	.70	.20	700	N	20	700
7SC092S	17 44 4	64 51 40	5.0	1.00	.70	.20	1,000	N	30	500
7SC093S	17 44 0	64 51 48	3.0	.70	.70	.20	700	<.5	30	700
7SC096S	17 44 32	64 51 36	5.0	1.00	.70	.20	1,000	N	30	700
7SC097S	17 44 37	64 51 25	3.0	1.00	.70	.15	1,000	N	30	200
7SC099S	17 45 0	64 52 8	3.0	1.00	1.00	.15	700	N	20	70
7SC100S	17 45 4	64 52 4	3.0	.70	.50	.20	700	N	20	700
7SC104S	17 46 0	64 47 35	3.0	1.00	1.00	.20	700	<.5	30	700
7SC105S	17 45 44	64 47 45	5.0	1.50	2.00	.30	1,500	N	N	300
7SC106S	17 45 41	64 47 41	3.0	1.00	1.50	.20	1,000	N	15	500
7SC107S	17 44 26	64 51 1	5.0	1.00	1.50	.30	1,000	N	10	500
7SC108S	17 44 32	64 51 0	5.0	1.50	2.00	.30	1,000	N	10	500
7SC109S	17 44 44	64 51 7	5.0	1.00	.70	.20	1,000	N	10	500
7SC110S	17 44 56	64 51 9	3.0	.70	2.00	.20	700	N	10	70
7SC111S	17 46 52	64 47 8	3.0	.70	2.00	.20	1,000	N	10	70
7SC112S	17 46 23	64 47 30	5.0	1.00	1.50	.30	1,000	N	15	200
7SC113S	17 45 10	64 51 13	5.0	1.50	2.00	.30	1,000	N	10	200

TABLE 9. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 150 SOIL SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	BE PPM-S	BI PPM-S	CO PPM-S	CR PPM-S	CU PPM-S	LA PPM-S	MO PPM-S	NI PPM-S	PB PPM-S	SC PPM-S
7SC054S	1.0	N	30	70	50	<50	N	20	30	20
7SC055S	<1.0	N	20	200	70	<50	N	100	30	15
7SC056S	<1.0	N	20	70	50	N	N	30	20	15
7SC057S	<1.0	N	30	100	100	N	N	50	30	30
7SC058S	1.0	N	20	100	70	<50	N	30	30	20
7SC059S	<1.0	N	15	15	30	<50	N	5	15	20
7SC060S	<1.0	N	20	50	50	<50	N	10	20	20
7SC061S	<1.0	N	20	50	50	N	N	15	20	30
7SC063S	<1.0	N	15	70	50	N	N	30	20	20
7SC064S	<1.0	N	15	50	50	N	N	15	20	20
7SC065S	<1.0	N	15	30	50	N	N	10	20	20
7SC066S	<1.0	N	20	30	50	N	N	15	20	30
7SC067S	<1.0	N	30	<10	50	N	N	10	20	30
7SC067XS	<1.0	N	20	15	30	N	N	7	20	20
7SC068S	<1.0	N	15	20	30	N	N	5	20	20
7SC069S	<1.0	N	15	100	50	N	N	30	20	20
7SC074S	<1.0	N	20	100	50	N	N	50	20	20
7SC077S	1.0	N	30	150	50	<50	N	70	20	20
7SC078S	<1.0	N	50	150	100	N	N	70	30	20
7SC079S	1.5	N	15	10	30	<50	N	10	30	20
7SC080S	1.0	N	15	70	50	<50	N	20	20	20
7SC081S	1.0	N	15	20	30	<50	N	15	30	15
7SC082S	<1.0	N	20	70	50	N	N	30	20	20
7SC083S	<1.0	N	20	100	50	N	N	30	20	20
7SC084S	<1.0	N	10	20	50	<50	N	7	30	15
7SC085S	<1.0	N	15	50	50	<50	N	10	20	15
7SC086S	<1.0	N	30	30	50	N	N	20	20	20
7SC087S	<1.0	N	20	30	50	N	N	15	20	20
7SC091S	<1.0	N	20	70	70	N	N	20	30	20
7SC092S	<1.0	N	20	70	50	N	N	20	50	20
7SC093S	1.0	N	15	50	50	N	N	20	30	15
7SC096S	1.0	N	20	100	50	N	N	20	50	15
7SC097S	<1.0	N	20	50	50	N	N	10	20	20
7SC099S	<1.0	N	20	20	50	N	N	10	20	20
7SC100S	1.0	N	20	150	70	<50	N	20	20	20
7SC104S	<1.0	N	20	100	70	N	N	20	100	20
7SC105S	<1.0	N	30	150	70	N	N	30	10	30
7SC106S	<1.0	N	15	20	50	N	N	10	20	15
7SC107S	<1.0	N	30	70	50	N	N	20	30	20
7SC108S	<1.0	N	20	70	50	N	N	20	20	20
7SC109S	<1.0	N	30	100	70	N	N	50	20	20
7SC110S	<1.0	N	15	20	30	<50	N	7	15	20
7SC111S	<1.0	N	20	50	50	<50	N	10	30	20
7SC112S	<1.0	N	20	100	50	N	N	20	20	30
7SC113S	<1.0	N	30	70	50	N	N	20	20	20

TABLE 9. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 150 SOIL SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	SN PPM-S	SR PPM-S	V PPM-S	Y PPM-S	ZN PPM-S	ZR PPM-S	GA PPM-S	GE PPM-S	NA %-S	P %-S
7SC054S	N	300	150	20	N	70	50	N	2.0	<.2
7SC055S	N	300	100	20	N	70	30	N	2.0	<.2
7SC056S	N	300	150	15	<200	70	30	N	2.0	<.2
7SC057S	N	500	200	30	<200	70	50	N	3.0	<.2
7SC058S	N	300	150	20	N	50	50	N	3.0	<.2
7SC059S	N	300	150	15	N	30	30	N	1.5	N
7SC060S	N	500	150	15	N	50	50	N	2.0	N
7SC061S	N	500	150	15	N	50	50	N	2.0	N
7SC063S	N	300	150	20	N	70	50	N	2.0	<.2
7SC064S	N	300	150	15	<200	50	30	N	1.5	.5
7SC065S	N	300	150	15	<200	50	30	N	1.5	<.2
7SC066S	N	300	150	20	N	50	50	N	2.0	N
7SC067S	N	300	150	15	N	50	50	N	1.5	N
7SC067XS	N	300	150	15	N	50	50	N	1.5	N
7SC068S	N	300	150	15	N	50	50	N	2.0	N
7SC069S	N	300	150	15	N	50	50	N	2.0	N
7SC074S	N	200	150	20	<200	50	30	N	1.5	N
7SC077S	N	300	150	20	N	100	50	N	1.5	N
7SC078S	N	200	150	20	<200	70	50	N	1.5	<.2
7SC079S	N	500	100	30	N	100	50	N	2.0	<.2
7SC080S	N	150	150	20	N	70	50	N	2.0	<.2
7SC081S	N	150	150	20	N	50	50	N	1.5	N
7SC082S	N	300	150	15	N	50	50	N	1.5	N
7SC083S	N	200	150	15	<200	30	50	N	1.5	<.2
7SC084S	N	200	150	15	N	50	30	N	1.5	<.2
7SC085S	N	200	150	15	N	50	20	N	1.0	N
7SC086S	N	150	150	20	<200	50	50	N	1.5	<.2
7SC087S	N	200	150	20	N	50	50	N	2.0	<.2
7SC091S	N	300	150	15	N	70	50	N	2.0	N
7SC092S	N	300	150	20	N	50	50	N	3.0	<.2
7SC093S	N	200	100	15	N	50	30	N	1.5	N
7SC096S	N	300	150	20	N	70	50	N	2.0	<.2
7SC097S	N	300	150	15	N	30	50	N	1.5	<.2
7SC099S	N	200	150	15	N	30	50	N	2.0	N
7SC100S	N	200	100	20	N	50	50	N	1.5	N
7SC104S	N	300	150	20	N	50	50	N	2.0	<.2
7SC105S	N	200	150	20	N	50	50	N	2.0	N
7SC106S	N	200	150	20	N	70	50	N	2.0	N
7SC107S	N	300	150	20	N	50	50	N	2.0	N
7SC108S	N	300	150	20	N	50	70	N	3.0	N
7SC109S	N	300	150	15	N	50	50	N	1.5	<.2
7SC110S	N	300	150	20	<200	50	30	N	2.0	<.2
7SC111S	N	300	150	20	N	50	70	N	3.0	<.2
7SC112S	N	300	150	20	N	70	70	N	2.0	N
7SC113S	N	300	150	20	N	50	50	N	2.0	N

TABLE 9. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 150 SOIL SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	LATITUDE	LONGTUDE	FE %-S	MG %-S	CA %-S	TI %-S	MN PPM-S	AG PPM-S	B PPM-S	BA PPM-S
7SC114S	17 44 34	64 53 7	3.0	1.00	1.50	.20	1,000	N	10	500
7SC115S	17 44 42	64 52 55	5.0	1.50	2.00	.20	1,000	N	20	700
7SC116S	17 44 46	64 52 50	5.0	1.00	1.50	.20	1,000	N	15	1,000
7SC117S	17 44 48	64 52 39	3.0	1.50	.50	.15	1,000	<.5	20	1,000
7SC118S	17 44 58	64 52 31	5.0	.70	.20	.20	700	N	20	1,000
7SC119S	17 45 0	64 52 29	3.0	.70	.70	.20	1,000	N	20	700
7SC120S	17 45 2	64 52 22	5.0	1.00	1.00	.20	1,500	N	20	700
7SC121S	17 44 57	64 52 11	2.0	.70	.50	.10	700	.5	20	500
7SC122S	17 45 7	64 52 16	3.0	.70	.50	.20	1,000	<.5	15	700
8SC001S	17 45 30	64 50 16	3.0	.70	.10	.20	1,000	N	20	300
8SC002S	17 45 33	64 49 13	5.0	.20	.15	.15	2,000	N	50	300
8SC003S	17 44 7	64 48 50	2.0	.50	.50	.15	1,000	N	10	500
8SC004S	17 44 13	64 48 52	3.0	.70	.30	.20	700	N	10	500
8SC005S	17 44 19	64 48 52	3.0	.70	.30	.20	700	N	10	1,000
8SC007S	17 45 36	64 49 26	3.0	.70	.70	.20	1,000	N	10	500
8SC008S	17 45 36	64 49 36	5.0	1.00	.30	.20	700	N	10	500
8SC009S	17 45 36	64 49 46	3.0	.70	.70	.15	700	N	10	700
8SC010S	17 45 33	64 49 54	3.0	.70	.70	.20	700	N	<10	700
8SC011S	17 45 29	64 50 5	5.0	1.50	.30	.50	1,000	N	<10	700
8SC013S	17 45 44	64 49 53	5.0	1.00	1.50	.20	700	N	<10	150
8SC014S	17 45 37	64 49 55	5.0	1.50	2.00	.30	1,000	N	10	300
8SC015S	17 45 32	64 49 56	7.0	2.00	3.00	.70	1,500	N	10	700
8SC016S	17 44 0	64 49 15	5.0	1.00	1.50	.50	1,000	N	20	700
8SC017S	17 43 55	64 49 10	5.0	.70	.70	.30	1,000	N	20	700
8SC018S	17 44 10	64 49 22	2.0	.50	.50	.15	500	N	30	150
8SC019S	17 43 51	64 49 4	5.0	1.00	1.50	.50	700	N	20	1,000
8SC020S	17 44 2	64 48 59	5.0	1.00	1.50	.30	1,000	N	20	500
8SC021S	17 44 10	64 49 0	3.0	1.00	1.00	.30	700	N	20	500
8SC022S	17 44 44	64 48 43	5.0	1.50	2.00	.50	1,000	N	30	700
8SC023S	17 44 19	64 48 52	5.0	2.00	2.00	.50	1,000	N	10	500
8SC024S	17 45 3	64 49 7	3.0	1.50	2.00	.30	1,000	N	15	500
8SC025S	17 45 9	64 49 51	5.0	1.50	3.00	.50	1,000	N	15	700
8SC026S	17 45 7	64 49 48	5.0	1.50	3.00	.30	1,000	N	20	500
8SC027S	17 45 30	64 48 10	5.0	1.50	2.00	.50	1,000	N	15	500
8SC028S	17 45 18	64 48 2	5.0	1.00	1.50	.30	500	N	15	700
8SC029S	17 45 25	64 48 0	3.0	.70	1.00	.20	700	N	20	500
8SC030S	17 43 33	64 48 30	5.0	.70	1.50	.50	1,500	N	20	700
4ST500S	17 18 22	64 52 27	3.0	1.00	1.50	.50	1,000	N	20	70
4ST501S	17 18 22	64 52 35	2.0	1.00	.70	.50	700	N	<10	200
4ST502S	17 18 20	64 52 40	3.0	2.00	1.00	.30	1,500	N	<10	<20
4ST503S	17 18 24	64 52 38	3.0	1.50	3.00	.30	1,000	N	N	20
4ST504S	17 18 26	64 52 36	3.0	2.00	.70	.50	1,500	N	N	<20
4ST505S	17 18 30	64 52 47	5.0	1.00	.70	.50	500	N	15	100
4ST506S	17 18 38	64 52 46	3.0	1.50	.07	.20	1,000	<.5	10	100
4ST507S	17 18 46	64 52 54	5.0	1.00	.20	.30	700	N	10	150

TABLE 9. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 150 SOIL SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	BE PPM-S	BI PPM-S	CO PPM-S	CR PPM-S	CU PPM-S	LA PPM-S	MO PPM-S	NI PPM-S	PB PPM-S	SC PPM-S
7SC114S	<1.0	N	20	<10	50	N	N	7	20	15
7SC115S	<1.0	N	20	100	50	N	N	50	50	20
7SC116S	<1.0	N	30	150	70	<50	N	70	70	15
7SC117S	<1.0	N	30	150	70	<50	N	70	30	15
7SC118S	1.5	N	30	150	70	<50	N	70	20	20
7SC119S	<1.0	N	20	100	50	N	N	30	20	15
7SC120S	1.0	N	50	100	70	N	N	30	20	20
7SC121S	1.0	N	15	50	50	<50	N	15	30	10
7SC122S	1.0	N	20	70	70	<50	N	30	30	20
8SC001S	<1.0	N	20	20	50	N	N	5	30	15
8SC002S	1.5	N	150	150	150	N	N	30	50	30
8SC003S	<1.0	N	15	30	30	<50	N	7	30	10
8SC004S	<1.0	N	15	20	50	<50	N	5	20	15
8SC005S	<1.0	N	15	15	30	<50	N	5	20	15
8SC007S	<1.0	N	15	<10	30	N	N	5	20	15
8SC008S	<1.0	N	20	15	30	<50	N	5	20	15
8SC009S	<1.0	N	15	30	30	<50	N	5	20	10
8SC010S	<1.0	N	15	30	30	<50	N	5	20	15
8SC011S	<1.0	N	30	50	70	<50	N	20	30	20
8SC013S	N	N	20	30	50	N	N	10	15	20
8SC014S	<1.0	N	30	70	50	<50	N	15	20	30
8SC015S	<1.0	N	30	30	50	<50	N	15	20	20
8SC016S	<1.0	N	20	50	70	<50	N	10	15	20
8SC017S	<1.0	N	20	15	50	<50	N	5	50	20
8SC018S	<1.0	N	N	10	30	N	N	<5	10	10
8SC019S	<1.0	N	20	100	50	N	N	15	20	20
8SC020S	<1.0	N	20	50	70	<50	N	10	20	20
8SC021S	<1.0	N	20	70	70	<50	N	10	20	20
8SC022S	<1.0	N	30	100	70	N	N	20	50	20
8SC023S	<1.0	N	30	200	70	N	N	30	20	20
8SC024S	<1.0	N	15	150	50	<50	N	20	30	15
8SC025S	<1.0	N	20	70	30	<50	N	20	20	20
8SC026S	<1.0	N	20	100	50	<50	N	15	20	20
8SC027S	<1.0	N	30	100	70	<50	N	30	20	20
8SC028S	1.0	N	20	100	30	<50	N	30	20	15
8SC029S	1.0	N	30	30	70	<50	N	15	20	15
8SC030S	<1.0	N	30	70	50	<50	N	20	30	15
4ST500S	N	N	20	70	100	N	7	30	<10	20
4ST501S	<1.0	N	10	150	150	<20	N	30	<10	20
4ST502S	N	N	30	150	150	N	N	70	<10	20
4ST503S	<1.0	N	10	70	200	N	N	30	<10	20
4ST504S	<1.0	N	50	300	150	N	N	150	<10	20
4ST505S	N	N	10	150	30	N	N	50	N	20
4ST506S	<1.0	N	10	100	150	N	N	20	N	20
4ST507S	<1.0	N	7	70	100	N	N	20	N	20

TABLE 9. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 150 SOIL SAMPLES FROM ST. CROIX AND ST. THOMAS [AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	SN PPM-S	SR PPM-S	V PPM-S	Y PPM-S	ZN PPM-S	ZR PPM-S	GA PPM-S	GE PPM-S	NA %-S	P %-S
7SC114S	N	300	150	20	N	50	50	N	2.0	N
7SC115S	N	500	150	20	N	50	70	N	3.0	N
7SC116S	N	500	150	20	N	70	70	N	3.0	.2
7SC117S	N	300	100	20	N	70	30	N	2.0	<.2
7SC118S	N	300	150	20	<200	70	30	N	1.5	N
7SC119S	N	300	150	20	N	50	50	N	2.0	N
7SC120S	N	300	150	20	<200	70	50	N	1.5	N
7SC121S	N	200	100	15	N	30	20	N	1.0	N
7SC122S	N	300	150	20	N	70	50	N	2.0	<.2
8SC001S	N	N	150	20	N	70	30	N	2.0	N
8SC002S	N	N	150	30	<200	70	30	N	.7	N
8SC003S	N	200	150	15	N	70	20	N	1.5	N
8SC004S	N	150	150	15	N	70	20	N	1.0	N
8SC005S	N	200	150	20	N	100	30	N	1.5	N
8SC007S	N	300	150	20	N	70	20	N	2.0	N
8SC008S	N	300	150	20	N	30	20	N	1.5	N
8SC009S	N	300	150	15	N	70	30	N	2.0	N
8SC010S	N	300	150	15	N	50	20	N	1.5	N
8SC011S	N	500	200	30	<200	30	30	N	2.0	.3
8SC013S	N	300	200	15	N	20	30	N	1.0	N
8SC014S	N	300	200	20	N	30	30	N	1.5	N
8SC015S	N	500	200	30	<200	15	50	N	2.0	.5
8SC016S	N	300	200	20	N	70	20	N	2.0	N
8SC017S	N	300	150	20	N	70	30	N	2.0	N
8SC018S	N	<100	100	10	N	30	5	N	.3	N
8SC019S	N	300	200	20	N	70	20	N	1.5	<.2
8SC020S	N	200	200	20	<200	70	15	N	1.5	N
8SC021S	N	200	200	15	N	50	20	N	2.0	N
8SC022S	N	500	200	20	N	70	30	N	3.0	<.2
8SC023S	N	500	200	20	<200	30	30	N	2.0	.2
8SC024S	N	200	200	15	N	50	30	N	2.0	<.2
8SC025S	N	300	200	20	N	150	30	N	2.0	<.2
8SC026S	N	300	200	20	N	50	20	N	2.0	N
8SC027S	N	500	150	30	N	70	20	N	1.0	<.2
8SC028S	N	300	150	20	N	100	30	N	1.5	<.2
8SC029S	N	300	150	15	N	70	20	N	1.5	N
8SC030S	N	300	150	20	N	70	30	N	2.0	N
4ST500S	N	300	200	15	N	30	--	--	--	--
4ST501S	N	300	200	20	N	50	--	--	--	--
4ST502S	N	N	200	20	<200	30	--	--	--	--
4ST503S	N	300	200	20	N	30	--	--	--	--
4ST504S	N	100	200	15	200	20	--	--	--	--
4ST505S	N	100	200	20	N	30	--	--	--	--
4ST506S	N	N	200	20	N	30	--	--	--	--
4ST507S	N	N	200	20	N	50	--	--	--	--

TABLE 9. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 150 SOIL SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	LATITUDE	LONGTUDE	FE %-S	MG %-S	CA %-S	TI %-S	MN PPM-S	AG PPM-S	B PPM-S	BA PPM-S
4ST508S	17 18 55	64 53 5	3.0	.50	.10	.30	700	N	N	20
4ST509S	17 18 57	64 53 30	2.0	.50	.20	.30	500	N	10	150
4ST510S	17 18 51	64 50 46	1.5	.30	.20	.30	1,000	N	15	70
4ST511S	17 19 11	64 50 55	5.0	.70	1.00	.30	1,000	N	20	150
4ST512S	17 19 25	64 51 20	5.0	1.00	1.00	.30	1,500	N	15	300
4ST513S	17 19 26	64 51 45	5.0	.70	.50	.30	1,500	1.5	50	1,500
4ST514S	17 19 50	64 51 48	5.0	1.00	.15	.50	300	N	30	200
4ST515S	17 19 49	64 51 34	2.0	.15	.30	.30	1,500	N	70	150
4ST516S	17 20 4	64 51 56	5.0	1.00	2.00	.30	1,000	N	15	300
4ST517S	17 19 19	64 52 4	3.0	.30	.50	.50	1,000	N	50	100
4ST518S	17 19 10	64 52 30	5.0	1.00	.30	.30	1,000	N	30	500
4ST519S	17 19 5	64 53 17	3.0	.70	1.00	.30	700	N	10	100
4ST520S	17 19 28	64 53 11	3.0	1.00	.70	.30	1,000	N	10	100
4ST521S	17 19 47	64 52 55	3.0	.70	1.00	.30	700	N	20	100
4ST522S	17 19 54	64 52 38	1.5	.50	.30	.30	500	N	20	100

TABLE 9. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 150 SOIL SAMPLES FROM ST. CROIX AND ST. THOMAS [AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	BE PPM-S	BI PPM-S	CO PPM-S	CR PPM-S	CU PPM-S	LA PPM-S	MO PPM-S	NI PPM-S	PB PPM-S	SC PPM-S
4ST508S	<1.0	N	10	20	30	N	N	7	<10	15
4ST509S	N	N	5	10	30	N	N	<5	<10	10
4ST510S	<1.0	N	<5	10	10	<20	N	<5	<10	7
4ST511S	N	N	10	20	100	N	N	15	10	20
4ST512S	<1.0	N	15	50	100	N	N	15	30	30
4ST513S	<1.0	N	10	20	200	N	N	10	700	15
4ST514S	<1.0	N	10	150	50	N	N	20	<10	30
4ST515S	1.0	N	<5	<10	10	<20	N	5	N	7
4ST516S	N	N	15	100	100	N	N	20	<10	30
4ST517S	<1.0	N	10	30	30	<20	N	10	30	20
4ST518S	1.0	N	10	70	70	<20	N	20	15	20
4ST519S	N	N	7	50	50	N	N	10	10	20
4ST520S	<1.0	N	15	50	30	N	N	15	30	20
4ST521S	<1.0	N	10	30	30	N	N	7	30	20
4ST522S	<1.0	N	<5	10	15	<20	N	<5	10	7

TABLE 9. SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES FOR 150 SOIL SAMPLES FROM ST. CROIX AND ST. THOMAS
[AS,AU,CD,NB,SB,W,TH=N FOR ALL SAMPLES]--Continued

Sample	SN PPM-S	SR PPM-S	V PPM-S	Y PPM-S	ZN PPM-S	ZR PPM-S	GA PPM-S	GE PPM-S	NA %-S	P %-S
4ST508S	N	N	70	30	N	30	--	--	--	--
4ST509S	N	N	70	20	N	50	--	--	--	--
4ST510S	N	N	70	20	N	30	--	--	--	--
4ST511S	N	<100	200	20	N	30	--	--	--	--
4ST512S	N	100	200	15	N	30	--	--	--	--
4ST513S	N	N	150	20	700	50	--	--	--	--
4ST514S	N	N	200	20	N	50	--	--	--	--
4ST515S	N	N	50	20	N	50	--	--	--	--
4ST516S	N	200	300	20	N	30	--	--	--	--
4ST517S	N	N	150	20	N	50	--	--	--	--
4ST518S	N	N	150	20	<200	70	--	--	--	--
4ST519S	N	100	100	20	<200	50	--	--	--	--
4ST520S	N	100	150	20	N	30	--	--	--	--
4ST521S	N	200	70	20	N	30	--	--	--	--
4ST522S	N	100	50	20	N	30	--	--	--	--

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

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
Sodium (Na)	.2	5
Phosphorus (P)	.2	10
	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)	10	2,000
Chromium (Cr)	10	5,000
Copper (Cu)	5	20,000
Lanthanum (La)	50	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)	20	10,000
Yttrium (Y)	10	2,000
Zinc (Zn)	200	10,000
Zirconium (Zr)	10	1,000
Thorium (Th)	100	2,000
Gallium	5	500
Germanium	10	100