



(200)
R290
no. 79-1352



✓
UNITED STATES (DEPARTMENT OF THE INTERIOR)

GEOLOGICAL SURVEY,

[Reports-Open file Series]

TM
cm
the anal

Geochemical data for Cohutta Wilderness,
Georgia-Tennessee

by

D.F. Siems, A.L. Meier, E.L. Mosier, and J.E. Gair



Open-File Report 79-1352

This report is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey standards and nomenclature.

298447

GEOCHEMICAL DATA FOR COHUTTA WILDERNESS, GEORGIA-TENNESSEE

By

D.F. Siems, A.L. Meier, E.L. Mosier, and J.E. Gair

Trace-element data obtained from stream-sediment, soil, and rock-chip samples by semiquantitative spectrographic and atomic absorption analyses.

Geochemical data are grouped alphabetically by letter prefix and arranged in numerical order within the lettered groups.

The listed data were obtained from samples collected in 1977 and 1978 by Jacob E. Gair and John F. Slack, assisted by Andrew Grosz, Richard Ketelle, Donald Henry, Thomas Hanley, Ann Stevens, and Gregory R. Morley. The spectrographic and atomic absorption analyses were done in laboratories of the Branch of Exploration Research, U.S. Geological Survey, Denver. The spectrographic analyses were done by David F. Siems and Elwin L. Mosier; the atomic absorption analyses, by Allen L. Meier. Data retrieval from the computerized storage file of the U.S. Geological Survey was made by Nancy A. Wright.

Stream-sediment samples consist of the -80-mesh fraction and weighed approximately 200-400 grams dry. Soil samples weighing about 200 grams each were taken from the A and upper B horizons, generally within 15 cm of the surface. Rock-chip samples weighing approximately 300-600 grams were taken across sedimentary layers or masses of vein quartz through distances of about 1-15 meters. The analytical methods used are described in reports by Grimes and Marranzino (1968), and by Ward and others (1969).

Data for the rock-chip samples are arranged in four groups by type of rock:
1) shaly, slaty, silty facies; 2) sandy facies; 3) interbedded sandy and shaly, slaty, silty facies; 4) quartz veins. The shaly, slaty, silty facies includes shale, slate, slaty siltstone, silty slate, siltstone, and phyllite. The sandy facies includes sandstone, graywacke, quartzite, conglomerate, and arkosic sandstone or quartzite. Samples notably graphitic or pyritic are indicated by letter code, G or P, respectively, following the sample number; float samples are shown by an asterisk after the sample number.

Analytical results, unless otherwise indicated at the top of the columns of data, are given in parts per million (ppm). Data were obtained by semiquantitative spectrographic analysis reported in a 6-step geometrical progression, and by atomic absorption (for gold and zinc). Spectrographic data are indicated in the column headings by S, and atomic absorption data by AA. For samples analyzed by atomic absorption, the column headings AA- -- -P AA-AU-SW, and AA-AU-T represent, respectively, 1) partial digestion, 2) sample weight for gold analysis--blank if sample weight is standard 10g,^{1/}

^{1/} 10-gram sample weight of some standard samples indicated by number 10.

and 3) analytical result for gold, with total digestion of sample--shown blank if only partial digestion obtained. Analytical results shown as N indicate that the element sought was not detected. Elements detected below the lowest measurable value are indicated as less than that value. The lower limits of measurement for the respective elements by semiquantitative spectrographic analysis are as follows: (in percent)--Fe, .05; Mg, .02;

Cu, .05; Ti, .002; (in ppm)--Mn, 10; Ag, .5; As, 200; Au, 10; B, 10; Ba, 20; Be, 1; Bi, 10; Cd, 20; Co, 5; Cr, 10; Cu, 5; La, 20; Mo, 5; Nb, 20; Ni, 5; Pb, 10; Sb, 100; Sc, 5; Sn, 10; Sr, 100; V, 10; W, 50; Y, 10; Zn, 200; and Zr, 10. The lower limits of measurement for gold by atomic absorption are .05 or .1 ppm, and for zinc, 5 ppm.

Sample locations are given by X-Y coordinates representing distances in meters on the Universal Transverse Mercator (UTM) grid. The X-coordinate is measured eastward, and the Y coordinate northward, from origin. Within the Cohutta area, the total distance along the X coordinate is from about 714,000 to 728,000 meters east, and along the Y coordinate, from about 3,857,000 to 3,876,000 meters north. Sample locations in the tables are shown only to the last five significant digits, to the nearest 10 meters.

References cited

- Grimes, D.J., and Marranzino, A.P., 1968, Direct-current arc and alternating-current spark emission spectrographic field method for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.
- Ward, F.N., Nakagawa, H.M., Harms, T.F., and Van Sickle, G.H., 1969, Atomic absorption methods of analysis useful in geochemical exploration: U.S. Geological Survey Bulletin 1289, 45 p.

Cohutta Stream Sediments

sample	X-COORD.	Y-COORD.	S-FL%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
AGJ50	16,060	68,510	5.0	.50	.05	.70	700	N	N	N	300	300	3.0
AGJ51	16,100	68,610	3.0	.30	.07	.50	1,500	N	N	N	300	300	3.0
AGJ54	15,360	68,490	5.0	.50	.05	.70	300	N	N	N	200	300	2.0
AGJ61	18,600	68,500	5.0	.50	.10	.50	1,000	N	N	N	200	500	5.0
AGJ62	18,330	68,740	5.0	.70	.07	.50	1,000	N	N	N	300	500	5.0
AGJ73	20,680	59,440	5.0	.70	.07	.70	1,000	N	N	N	20	500	2.0
AGJ74	20,520	59,370	3.0	.50	.05	.50	700	N	N	N	10	500	2.0
AGJ77	20,230	60,490	5.0	.50	.10	.50	1,500	N	N	N	10	500	2.0
AGJ80	19,750	60,760	5.0	.50	.05	5.00	1,000	N	N	N	50	300	2.0
AGJ82	19,690	60,390	3.0	.50	.07	.50	700	N	N	N	15	700	1.5
AGJ96	21,210	61,720	3.0	.50	.07	.30	1,500	N	N	N	70	500	3.0
AGJ97	21,030	61,560	5.0	.70	.07	.50	1,500	N	N	N	70	500	3.0
H0J2	23,330	67,120	5.0	.70	.10	.70	2,000	N	N	N	200	700	3.0
H0J8	23,190	63,150	7.0	.70	.05	1.00	2,000	N	N	N	200	500	1.5
H0J3	27,100	66,680	5.0	.50	.10	.50	1,500	N	N	N	50	500	3.0
H0J5	23,680	64,020	5.0	.50	.05	.70	2,000	N	N	N	200	500	3.0
H0J8	24,400	65,440	7.0	.70	.07	1.00	2,000	N	N	N	300	700	2.0
H0J3	23,830	68,670	7.0	.50	.05	1.00	1,000	N	N	N	300	500	2.0
H0J5	23,500	70,260	5.0	.50	.07	1.00	1,500	N	N	N	300	500	2.0
H0J7	22,920	71,290	7.0	.70	.05	1.00	1,500	N	N	N	200	500	2.0
H0J4	20,120	70,060	7.0	.70	.10	.70	2,000	N	N	N	200	700	3.0
H0J6	19,300	70,540	7.0	.70	.10	.50	2,000	N	N	N	500	500	5.0
H0J8	19,800	71,220	7.0	.70	.07	.50	1,500	N	N	N	300	500	5.0
H0J3	20,430	70,670	5.0	.70	.07	.70	1,500	N	N	N	500	500	3.0
J0J8	24,080	75,340	3.0	.50	.15	.50	1,500	N	N	N	100	300	3.0
J0J9	23,530	75,070	3.0	.30	.07	.50	1,500	N	N	N	300	500	5.0
J0J1	22,860	74,230	7.0	.30	.05	.70	1,500	N	N	N	300	500	3.0
J0J3	22,830	74,700	7.0	.30	.05	.50	1,500	N	N	N	200	500	5.0
J0J7	25,700	74,090	5.0	.50	.15	.70	2,000	N	N	N	300	500	5.0
J0J8	25,760	73,400	5.0	.50	.10	.50	2,000	N	N	N	100	500	5.0
J0J1	25,640	72,940	5.0	.50	.15	.50	3,000	N	N	N	150	700	5.0
J0J4	20,580	73,900	5.0	.50	.10	.70	1,500	N	N	N	300	500	5.0
J0J5	20,910	73,390	5.0	.30	.10	1.00	1,000	N	N	N	500	700	3.0
J0J0	22,100	73,190	3.0	.20	.05	>1.00	1,000	N	N	N	500	300	2.0
J0J1	22,170	73,210	5.0	.50	.05	.70	1,000	N	N	N	200	300	3.0
J0J3	25,930	71,540	3.0	.30	.07	1.00	2,000	N	N	N	200	300	5.0
J0J8	25,180	71,010	5.0	.50	.15	.70	2,000	N	N	N	100	500	3.0
J0J0	24,610	70,840	5.0	.30	.05	>1.00	1,500	N	N	N	300	500	3.0
J0J2	24,220	70,660	5.0	.30	.07	>1.00	1,500	N	N	N	200	500	2.0
J0J8	25,310	74,300	5.0	.50	.07	.50	2,000	1.0	N	N	150	500	5.0
J0J3	25,110	73,270	5.0	.50	.05	>1.00	1,500	N	N	N	300	300	2.0
J0J4	24,650	73,120	7.0	.50	.07	.50	3,000	N	N	N	200	500	5.0
J0J7	22,910	72,630	3.0	.20	.07	1.00	1,500	.5	N	N	300	300	5.0
J0J0	27,660	73,770	3.0	.50	.10	.70	2,000	N	N	N	200	700	5.0
J0J1	24,770	68,440	3.0	.70	.05	>1.00	2,000	N	N	N	100	300	2.0

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
AGJ50	N	N	15	50	30	70	N	30	20	30	N	10	N
AGJ51	N	N	20	30	20	100	N	20	20	20	N	10	N
AGJ54	N	N	10	50	30	100	N	20	20	30	N	10	N
AGJ61	N	N	20	50	30	100	N	20	20	50	N	10	N
AGJ62	N	N	20	70	30	100	N	20	30	30	N	15	<10
AGJ73	N	N	10	50	30	70	N	20	20	50	N	10	N
AGJ74	N	N	7	30	20	100	N	<20	10	30	N	7	N
AGJ77	N	N	10	50	20	30	N	20	20	30	N	10	N
AGJ80	N	N	10	30	30	70	N	20	20	30	N	7	N
AGJ82	N	N	7	30	30	70	N	20	10	30	N	7	N
AGJ96	N	N	20	30	20	50	N	<20	20	30	N	10	N
AGJ97	N	N	20	70	30	70	N	20	30	50	N	15	N
H0J2	N	N	20	100	50	50	N	20	30	50	N	15	N
H0J8	N	N	15	70	50	20	N	20	50	20	N	10	N
H0J3	N	N	15	70	30	20	N	<20	20	20	N	10	N
H0J5	N	N	30	100	70	100	N	<20	30	50	N	15	N
H0J6	N	N	30	100	70	50	N	30	30	50	N	15	N
H0J3	N	N	15	70	50	20	N	20	30	50	N	10	N
H0J5	N	N	20	70	50	70	N	20	20	50	N	10	N
H0J7	N	N	15	100	50	70	N	20	20	50	N	10	N
H0J4	N	N	30	100	70	150	N	20	30	50	N	20	N
H0J6	N	N	20	100	30	150	N	<20	30	50	N	30	N
H0J3	N	N	20	70	50	70	N	20	20	70	N	20	N
H0J3	N	N	15	70	50	100	N	20	20	50	N	20	N
J0J3	N	N	20	50	30	50	N	<20	50	70	N	10	N
J0J9	N	N	30	70	30	70	N	20	50	50	N	10	N
J0J1	N	N	30	70	50	70	N	30	70	50	N	15	N
J0J3	N	N	20	70	50	70	N	20	70	50	N	15	N
J0J7	N	N	30	70	50	70	N	20	100	50	N	10	N
J0J8	N	N	70	70	70	70	N	<20	70	70	N	10	N
J0J1	N	N	50	70	50	70	N	20	100	70	N	10	N
J0J4	N	N	20	70	30	100	N	20	70	50	N	15	N
J0J5	N	N	15	70	50	70	N	30	70	50	N	15	N
J0J3	N	N	15	30	20	100	N	30	30	50	N	10	N
J0J1	N	N	15	50	30	50	N	20	50	50	N	10	N
J0J3	N	N	70	30	20	50	N	20	70	50	N	10	N
J0J3	N	N	70	70	50	70	N	20	100	70	N	10	N
J0J0	N	N	20	30	30	50	N	30	30	30	N	10	N
J0J2	N	N	20	50	50	70	N	30	50	50	N	10	N
J0J3	N	N	50	70	50	70	N	20	70	70	N	10	N
J0J3	N	N	30	50	30	30	N	30	50	50	N	10	N
J0J4	N	N	30	70	50	70	N	20	70	70	N	15	N
J0J7	N	N	20	30	20	50	N	20	30	50	N	10	N
J0J0	N	N	20	50	50	100	N	20	50	50	N	10	N
J0J1	N	N	15	30	20	20	N	20	20	30	N	10	N

Cohutta Stream Sediments

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
AG050	<100	50	N	150	N	1,000	N	N	--	65	--
AG051	<100	50	N	50	N	1,000	N	N	--	100	--
AG054	<100	70	N	100	N	>1,000	N	N	--	60	--
AG061	100	70	N	70	N	700	N	N	--	100	--
AG062	100	70	N	150	N	500	N	N	--	100	--
AG073	<100	50	N	30	N	700	N	N	--	75	--
AG074	100	50	N	30	N	700	N	N	--	40	--
AG079	100	50	N	30	N	700	N	N	--	60	--
AG080	<100	50	N	50	N	1,000	N	N	--	55	--
AG082	100	50	N	30	N	700	N	N	--	40	--
AG096	100	50	N	30	N	300	N	N	--	65	--
AG097	100	70	N	50	N	500	N	N	--	90	--
H002	100	50	N	150	N	500	N	N	--	100	--
H008	100	30	N	70	N	1,000	N	N	--	75	--
H013	<100	50	N	50	N	500	N	N	--	55	--
H015	<100	50	N	100	N	700	N	N	--	70	--
H018	100	50	N	150	N	1,000	N	N	--	80	--
H023	<100	30	N	100	N	1,000	N	N	--	50	--
H025	100	50	N	100	N	1,000	N	N	--	80	--
H027	100	50	N	100	N	700	N	N	--	70	--
H034	100	50	N	100	N	500	N	N	--	110	--
H036	<100	70	N	150	N	1,000	N	N	--	150	--
H038	100	50	N	100	N	700	N	N	--	120	--
H043	<100	50	N	150	N	1,000	N	N	--	100	--
J006	100	70	N	100	N	700	N	N	5	90	--
J009	100	100	N	100	N	700	N	N	2	140	--
J011	100	100	N	150	N	1,000	N	N	2	130	--
J013	100	100	N	50	N	700	N	N	5	110	--
J017	150	100	N	50	N	700	N	N	2	110	--
J018	100	100	N	50	N	300	N	N	10	90	--
J021	150	150	N	70	N	300	N	N	5	85	--
J024	100	100	N	100	N	500	N	N	5	110	--
J025	100	150	N	100	N	700	N	N	10	120	--
J030	100	70	N	100	N	>1,000	N	N	10	100	--
J031	100	70	N	70	N	1,000	N	N	5	95	--
J033	100	70	N	70	N	700	N	N	5	75	--
J038	100	100	N	70	N	500	N	N	5	110	--
J040	100	70	N	70	N	1,000	N	N	10	65	--
J042	100	70	N	70	N	1,000	N	N	5	80	--
J048	100	100	N	70	200	300	N	N	5	160	--
J053	100	70	N	70	<200	>1,000	N	N	5	80	--
J054	100	150	N	50	200	500	N	N	5	140	--
J057	100	70	N	70	<200	1,000	N	N	10	75	--
J060	100	100	N	70	N	700	N	N	5	100	--
J071	<100	50	N	50	N	>1,000	N	N	5	55	--

Cohutta Stream Sediments--continued

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
J032	24,220	72,820	5.0	.30	.07	1.00	1,000	N	N	N	300	500	3.0
J033	24,220	72,910	3.0	.20	.07	.70	1,000	N	N	N	100	300	2.0
J034	24,090	72,440	5.0	.30	.07	.70	1,500	N	N	N	200	500	3.0
J070	25,080	69,660	5.0	.30	.05	>1.00	1,000	N	N	N	500	300	2.0
J071	24,720	69,470	5.0	.50	.07	1.00	2,000	N	N	N	200	700	5.0
J095	23,140	71,910	5.0	.50	.05	1.00	1,000	N	N	N	200	500	2.0
J096	23,820	71,760	3.0	.20	.05	>1.00	1,000	N	N	N	500	300	3.0
J100	24,450	72,010	3.0	.30	.05	1.00	2,000	N	N	N	200	500	3.0
J104	19,490	73,750	5.0	.50	.05	>1.00	1,500	N	N	N	300	500	3.0
J124	24,330	75,270	5.0	.50	.15	.50	2,000	<.5	N	N	200	500	3.0
J128	24,420	73,100	5.0	.50	.07	1.00	1,500	<.5	N	N	300	500	3.0
J133	22,890	74,160	5.0	.30	.05	1.00	2,000	N	N	N	200	500	5.0
J147	20,190	72,960	5.0	.30	.05	1.00	2,000	N	N	N	700	500	3.0
J148	20,140	73,010	5.0	.50	.05	1.00	1,500	N	N	N	700	500	5.0
J159	23,420	67,130	5.0	.70	.10	.50	2,000	N	N	N	150	1,000	5.0
J160	23,220	66,950	7.0	.70	.07	1.00	2,000	N	N	N	150	1,000	2.0
J164	22,210	67,450	5.0	.50	.10	.70	1,500	N	N	N	200	500	3.0
J169	23,660	63,480	7.0	.70	.07	1.00	1,500	N	N	N	200	700	2.0
J170	23,210	63,110	7.0	1.00	.07	1.00	1,500	N	N	N	200	500	2.0
J173	23,440	63,640	7.0	.70	.05	1.00	2,000	N	N	N	200	700	2.0
J175	26,640	67,590	7.0	.70	.10	1.00	2,000	N	N	N	200	700	2.0
J178	23,530	64,250	10.0	.50	.05	>1.00	2,000	N	N	N	200	500	2.0
J179	23,660	64,190	5.0	.70	.05	.30	1,500	N	N	N	150	500	3.0
J182	23,740	65,540	5.0	.70	.07	.50	1,500	N	N	N	200	500	3.0
J184	23,640	69,650	7.0	.50	.07	1.00	1,500	N	N	N	300	500	2.0
J192	23,900	68,610	7.0	.50	.10	.70	1,500	N	N	N	200	500	3.0
J201	22,970	71,270	7.0	.50	.07	1.00	1,500	N	N	N	200	500	2.0
J203	24,540	67,610	7.0	.50	.05	1.00	2,000	N	N	N	30	500	2.0
J205	24,450	68,420	5.0	.70	.07	1.00	2,000	N	N	N	300	500	2.0
J206	24,630	68,370	5.0	.70	.10	.70	1,500	N	N	N	200	700	5.0
J211	20,460	69,630	5.0	.50	.10	.70	1,000	N	N	N	200	700	3.0
J213	20,100	70,000	7.0	.50	.10	.70	1,000	N	N	N	200	700	3.0
J218	19,720	71,230	7.0	.70	.07	.70	1,500	N	N	N	300	500	5.0
J221	19,870	71,770	7.0	.70	.10	.70	1,500	N	N	N	300	700	3.0
J223	19,560	72,450	5.0	.50	.07	1.00	1,500	N	N	N	200	500	2.0
J229	20,380	70,660	7.0	.50	.07	.70	2,000	N	N	N	200	500	3.0
J230	19,460	70,940	7.0	.70	.07	.50	2,000	N	N	N	500	700	5.0
J402	19,920	64,310	3.0	.50	.10	>1.00	1,000	N	N	N	100	500	2.0
J405	19,060	64,040	3.0	.50	.10	>1.00	1,000	N	N	N	100	700	2.0
J409	20,700	63,050	3.0	.50	.15	1.00	2,000	N	N	N	100	700	2.0
J413	19,230	62,140	5.0	.50	.10	1.00	1,000	N	N	N	100	500	1.5
J414	19,120	62,160	5.0	.50	.10	>1.00	1,000	N	N	N	50	700	2.0
J419	20,370	64,220	2.0	.20	.10	1.00	1,500	N	N	N	70	300	2.0
J421	18,470	65,370	5.0	.50	.10	>1.00	1,000	N	N	N	150	700	1.5
J427	21,620	68,050	5.0	.50	.20	.70	1,000	N	N	N	150	500	5.0

Cohutta Stream Sediments--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
J032	N	N	15	50	20	50	N	20	30	50	N	15	N
J033	N	N	20	50	20	50	N	<20	50	50	N	10	N
J034	N	N	20	70	20	70	N	20	50	50	N	10	N
J090	N	N	10	50	15	50	N	30	20	30	N	10	N
J091	N	N	50	70	20	70	N	30	50	70	N	15	N
J095	N	N	15	70	20	50	N	20	30	30	N	10	N
J096	N	N	10	30	15	70	N	30	20	30	N	10	N
J100	N	N	50	70	20	70	N	30	30	50	N	15	N
J104	N	N	15	70	20	150	N	30	30	50	N	15	N
J124	N	N	30	70	50	100	N	<20	50	70	N	10	N
J128	N	N	20	70	30	70	N	20	30	50	N	10	N
J133	N	N	30	70	30	70	N	20	70	50	N	10	N
J147	N	N	30	70	50	200	N	20	50	50	N	15	N
J148	N	N	20	70	30	150	N	20	50	70	N	15	N
J159	N	N	30	100	30	70	N	<20	30	70	N	15	N
J160	N	N	20	100	50	50	N	20	30	50	N	15	N
J164	N	N	20	70	30	30	N	20	15	50	N	10	N
J169	N	N	20	70	50	20	N	20	20	30	N	15	N
J170	N	N	20	70	50	20	N	20	20	20	N	10	N
J173	N	N	20	100	50	50	N	20	20	50	N	10	N
J175	N	N	20	100	50	50	N	20	20	30	N	15	N
J178	N	N	20	100	50	50	N	30	20	50	N	10	N
J179	N	N	30	100	30	100	N	20	30	70	N	15	N
J182	N	N	15	70	30	70	N	20	20	50	N	10	N
J184	N	N	15	70	30	70	N	<20	30	50	N	10	N
J192	N	N	15	70	30	70	N	<20	20	50	N	10	N
J201	N	N	15	70	50	50	N	20	20	30	N	10	N
J203	N	N	20	100	50	70	N	20	20	70	N	10	N
J205	N	N	15	70	50	50	N	20	30	50	N	7	N
J206	N	N	20	70	50	50	N	<20	30	30	N	10	N
J211	N	N	15	100	50	70	N	20	20	70	N	10	N
J213	N	N	20	100	50	150	N	20	30	50	N	15	N
J218	N	N	30	100	50	100	N	20	30	50	N	20	N
J221	N	N	30	100	50	100	N	20	50	70	N	15	N
J223	N	N	20	70	50	70	N	20	30	50	N	10	10
J229	N	N	20	100	50	70	N	20	50	70	N	10	150
J230	N	N	30	100	30	50	N	20	50	50	N	20	N
J402	N	N	20	70	30	150	N	20	20	50	N	10	N
J405	N	N	15	70	20	150	N	20	20	50	N	10	N
J409	N	N	20	100	20	70	N	20	20	70	N	10	N
J413	N	N	15	70	20	100	N	20	20	50	N	10	N
J414	N	N	15	50	20	200	N	20	20	70	N	10	N
J419	N	N	50	50	15	200	N	<20	20	50	N	7	N
J421	N	N	15	70	20	150	N	20	20	50	N	10	N
J427	N	N	20	70	30	100	N	20	30	70	N	15	N

Conatta Stream Sediments--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
J032	100	70	N	70	N	1,000	N	N	5	100	--
J033	100	100	N	50	N	1,000	N	N	5	70	--
J034	100	100	N	70	N	1,000	N	N	10	85	--
J090	100	70	N	100	N	>1,000	N	N	10	70	--
J091	100	100	N	50	N	1,000	N	N	10	100	--
J095	100	70	N	100	N	1,000	N	N	5	90	--
J096	<100	70	N	100	N	>1,000	N	N	10	65	--
J100	100	100	N	70	N	>1,000	N	N	10	55	--
J104	100	100	N	150	N	>1,000	N	N	5	85	--
J124	100	100	N	70	N	300	N	N	10	160	--
J123	100	100	N	50	N	500	N	N	10	85	--
J133	100	100	N	50	N	700	N	N	5	120	--
J147	100	100	N	300	N	>1,000	N	N	10	120	--
J148	100	100	N	150	N	1,000	N	N	10	150	--
J159	100	50	N	70	N	500	N	N	--	150	--
J160	100	50	N	100	N	1,000	N	N	--	85	--
J164	<100	50	N	100	N	500	N	N	--	65	--
J169	100	30	N	70	N	>1,000	N	N	--	60	--
J170	100	50	N	150	N	700	N	N	--	65	--
J173	100	50	N	70	N	>1,000	N	N	--	65	--
J175	<100	50	N	70	N	>1,000	N	N	--	70	--
J178	100	30	N	100	N	>1,000	N	N	--	65	--
J179	100	70	N	70	N	1,000	N	N	--	50	--
J182	100	50	N	100	N	700	N	N	--	70	--
J184	100	30	N	150	N	1,000	N	N	--	55	--
J192	100	50	N	50	N	500	N	N	--	75	--
J201	<100	30	N	100	N	1,000	N	N	--	60	--
J203	<100	30	N	70	N	>1,000	N	N	--	30	--
J205	100	50	N	100	N	1,000	N	N	--	60	--
J206	100	50	N	100	N	1,000	N	N	--	75	--
J211	100	50	N	150	N	1,000	N	N	--	100	--
J213	100	50	N	300	N	1,000	N	N	--	110	--
J218	100	50	N	150	N	1,000	N	N	--	130	--
J221	100	50	N	100	N	1,000	N	N	--	140	--
J223	<100	30	N	100	N	1,000	N	N	--	90	--
J229	100	50	N	150	N	1,000	N	N	--	130	--
J230	100	50	N	100	N	1,000	N	N	--	170	--
J402	100	70	N	70	N	1,000	<100	--	10	65	N
J403	100	70	N	70	N	>1,000	N	--	10	85	N
J409	100	100	N	50	N	1,000	N	--	10	85	N
J413	100	70	N	50	N	1,000	N	--	10	70	N
J414	100	70	N	70	N	1,000	<100	--	10	70	N
J419	100	70	N	50	N	>1,000	<100	--	10	100	.002
J421	100	70	N	70	N	1,000	<100	--	10	85	N
J427	100	100	N	50	N	700	N	--	10	120	N

Cohutta Stream Sediments--continued

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
J428	21,920	68,470	5.0	.50	.10	1.00	1,000	N	N	N	150	300	2.0
J432	22,020	69,610	7.0	.70	.30	.50	1,500	N	N	N	150	500	3.0
J433	21,900	69,430	5.0	.30	.15	>1.00	1,500	N	<200	N	150	300	2.0
J438	20,630	70,410	5.0	.50	.20	1.00	1,500	N	N	N	150	500	2.0
J445	21,200	71,570	5.0	.70	.10	1.00	1,500	N	N	N	150	700	2.0
J447	20,540	72,310	7.0	.70	.15	.70	2,000	N	N	N	200	700	2.0
J448	20,440	71,880	5.0	.70	.15	.70	1,500	N	N	N	200	700	2.0
J450	20,610	71,250	5.0	.70	.20	1.00	2,000	N	N	N	200	700	2.0
J454	21,520	66,200	7.0	.70	.10	.70	2,000	N	N	N	150	700	1.5
J455	21,580	66,500	3.0	.30	.10	.70	1,000	N	N	N	150	500	2.0
J456	21,470	66,620	5.0	.50	.10	>1.00	1,500	N	N	N	150	500	1.5
J460	21,500	67,550	5.0	.30	.07	1.00	700	N	N	N	100	500	1.5
J463	21,730	70,540	5.0	.70	.15	1.00	1,000	N	N	N	100	500	1.5
J467	22,630	70,970	7.0	.50	.10	1.00	700	N	N	N	100	500	1.5
J469	22,860	71,700	7.0	.50	.10	>1.00	700	N	N	N	150	500	1.5
J470	21,990	72,150	3.0	.50	.15	.30	1,000	N	N	N	200	500	2.0
J473	17,830	63,030	3.0	.70	.15	.15	1,500	N	N	N	70	700	2.0
J474	13,040	63,090	5.0	.50	.10	>1.00	2,000	N	N	N	100	500	2.0
J476	18,290	62,640	3.0	.30	.10	.70	1,500	N	N	N	50	700	2.0
J477	18,240	62,610	3.0	.50	.15	.70	1,000	N	N	N	50	700	1.5
J478	18,440	61,980	5.0	.30	.10	1.00	1,500	N	N	N	50	500	1.5
J479	18,260	61,750	5.0	.50	.10	1.00	1,000	N	N	N	30	700	2.0
J480	17,380	61,170	5.0	.50	.10	1.00	1,500	N	N	N	20	500	2.0
J483	23,400	67,340	2.0	.20	.10	1.00	1,000	N	N	N	200	500	2.0
J488	24,130	67,660	1.0	.15	.10	.50	700	N	N	N	70	300	2.0
J491	24,550	67,120	3.0	.30	.10	>1.00	2,000	N	N	N	50	500	1.5
J492	23,220	66,870	1.5	.30	.20	.50	1,000	2.0	N	N	70	500	3.0
J496	16,910	62,470	3.0	.50	.10	1.00	700	N	N	N	30	700	1.5
J498	17,190	63,110	3.0	.30	.10	>1.00	1,000	N	N	N	20	700	1.0
J500	17,360	64,070	3.0	.50	.10	1.00	1,000	N	N	N	50	700	2.0
J502	17,740	63,790	5.0	.50	.10	>1.00	1,000	N	N	N	70	700	1.5
J503	18,040	64,100	5.0	.70	.10	>1.00	2,000	N	N	N	150	700	2.0
K066	24,130	75,270	5.0	.70	.20	.50	3,000	N	N	N	100	700	5.0
K070	23,510	74,660	5.0	.30	.05	>1.00	1,500	N	N	N	300	300	2.0
K072	23,350	74,380	3.0	.30	.05	1.00	1,500	N	N	N	200	500	3.0
K073	22,910	74,220	5.0	.50	.05	1.00	1,500	N	N	N	200	500	2.0
K073	25,860	73,790	5.0	.50	.10	1.00	2,000	N	N	N	200	500	3.0
K079	25,770	74,130	5.0	.50	.05	>1.00	2,000	N	N	N	300	500	3.0
K083	25,480	73,160	5.0	.50	.10	1.00	2,000	N	N	N	300	700	5.0
K085	25,660	72,990	3.0	.50	.20	.50	2,000	N	N	N	150	700	7.0
K090	25,940	71,510	5.0	.30	.05	>1.00	3,000	N	N	N	700	500	5.0
K091	25,870	71,550	5.0	.30	.07	1.00	1,500	N	N	N	300	1,000	5.0
K095	25,600	71,180	5.0	.50	.07	1.00	1,500	N	N	N	200	700	5.0
K096	25,510	71,060	5.0	.50	.07	1.00	1,500	N	N	N	200	700	5.0
K097	25,180	71,090	5.0	.50	.07	.70	2,000	N	N	N	150	700	5.0

Cohutta Stream Sediments--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
J428	N	N	20	70	20	20	N	20	20	50	N	10	N
J432	N	N	30	70	20	100	N	<20	30	100	N	15	N
J433	N	N	20	70	20	100	N	30	20	50	N	10	N
J436	N	N	20	100	20	100	N	20	20	70	N	15	N
J445	N	N	30	100	20	150	N	20	30	70	N	15	N
J447	N	N	20	100	20	150	N	20	50	50	N	10	N
J448	N	N	20	100	20	100	N	20	50	70	N	15	N
J450	N	N	30	100	20	150	N	20	50	30	N	15	N
J454	N	N	30	150	50	150	N	<20	30	100	N	15	N
J455	N	N	15	70	15	70	N	<20	20	50	N	10	N
J456	N	N	20	70	20	50	N	30	20	50	N	10	N
J458	N	N	15	70	20	100	N	<20	20	50	N	10	N
J463	N	N	20	100	30	100	N	<20	20	70	N	10	N
J467	N	N	15	100	30	100	N	20	20	70	N	10	N
J469	N	N	15	100	50	100	N	20	20	70	N	10	10
J470	N	N	20	100	20	100	N	20	20	50	N	10	N
J473	N	N	15	70	15	100	N	<20	20	70	N	15	N
J474	N	N	20	100	30	70	N	30	20	50	N	15	N
J476	N	N	20	100	20	100	N	20	20	50	N	10	N
J477	N	N	10	100	15	70	N	20	20	50	N	10	N
J478	N	N	15	70	20	100	N	20	20	50	N	10	N
J479	N	N	20	100	15	100	N	20	15	50	N	10	N
J480	N	N	30	50	30	100	N	20	30	70	N	10	N
J483	N	N	15	50	20	50	N	20	15	15	N	10	N
J486	N	N	7	20	5	50	N	<20	10	10	N	7	N
J491	N	N	15	70	15	30	N	20	15	50	N	10	N
J492	N	N	10	50	15	70	N	<20	15	30	N	10	N
J496	N	N	20	100	10	70	N	20	10	50	N	10	N
J498	N	N	10	50	10	200	N	30	10	50	N	10	N
J500	N	N	10	70	20	70	N	20	15	70	N	10	N
J502	N	N	10	100	20	100	N	20	20	50	N	10	N
J503	N	N	20	100	30	50	N	30	20	50	N	15	N
K066	N	N	30	70	50	70	N	<20	50	100	N	10	N
K070	N	N	20	30	20	70	N	30	30	50	N	10	N
K072	N	N	20	50	30	50	N	20	30	30	N	10	N
K073	N	N	20	50	30	50	N	20	50	50	N	10	N
K078	N	N	70	50	30	50	N	20	50	50	N	10	N
K079	N	N	30	50	30	70	N	20	50	30	N	10	N
K083	N	N	20	50	30	70	N	20	50	50	N	10	N
K035	N	N	20	70	50	100	N	20	50	70	N	10	N
K090	N	N	50	50	20	30	N	50	50	50	N	10	N
K091	N	N	20	50	30	50	N	30	30	50	N	10	N
K095	N	N	50	70	30	50	N	20	50	50	N	10	N
K096	N	N	70	70	30	70	N	20	50	50	N	10	N
K099	N	N	50	70	50	70	N	20	50	70	N	10	N

Cohutta Stream Sediments--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
J423	100	70	N	50	N	700	N	--	10	85	N
J432	100	100	N	50	N	500	N	--	10	150	.002
J433	100	70	N	70	N	1,000	N	--	10	90	N
J438	100	100	N	70	N	1,000	N	--	10	150	N
J445	100	70	N	100	<200	700	N	--	10	200	N
J447	100	70	N	70	200	300	N	--	5	250	N
J448	100	100	N	100	<200	500	N	--	10	200	N
J450	100	100	N	150	<200	1,000	N	--	10	200	N
J454	100	100	N	100	<200	300	N	--	10	140	N
J455	100	100	N	70	N	500	N	--	10	95	N
J456	100	100	N	100	N	>1,000	N	--	10	95	N
J460	100	70	N	100	N	1,000	N	--	10	90	N
J463	100	70	N	70	N	1,000	N	--	5	110	N
J467	100	70	N	100	N	1,000	<100	--	5	110	N
J469	100	70	N	100	N	>1,000	N	--	5	90	N
J470	100	70	N	70	N	700	N	--	10	150	N
J473	100	100	N	30	N	300	N	--	10	110	N
J474	100	100	N	50	N	500	N	--	10	110	N
J476	100	70	N	50	N	700	N	--	10	100	N
J477	100	70	N	50	N	500	N	--	10	90	N
J478	100	70	N	70	N	1,000	N	--	5	75	N
J479	100	50	N	50	N	700	N	--	10	75	N
J480	<100	70	N	70	N	1,000	N	--	10	95	N
J483	100	70	N	50	N	700	N	--	10	80	N
J488	100	50	N	30	N	500	N	--	10	100	N
J491	100	50	N	50	N	>1,000	N	--	10	70	N
J492	100	70	N	50	N	300	N	--	10	130	N
J496	<100	70	N	50	N	700	N	--	10	65	N
J498	<100	50	N	100	N	>1,000	N	--	10	50	N
J500	100	50	N	30	N	1,000	N	--	5	65	N
J502	100	50	N	50	N	>1,000	N	--	5	95	N
J503	100	70	N	70	N	300	N	--	10	155	N
K066	150	100	N	70	N	500	N	N	10	140	--
K070	100	70	N	200	N	>1,000	N	N	10	80	--
K072	100	70	N	100	N	1,000	N	N	10	80	--
K073	100	100	N	500	N	700	N	N	10	80	--
K078	100	100	N	100	N	1,000	N	N	5	100	--
K079	100	70	N	100	N	1,000	N	N	10	130	--
K083	100	100	N	100	N	500	N	N	10	110	--
K085	100	100	N	70	N	200	N	N	5	110	--
K090	100	70	N	100	N	>1,000	N	N	10	70	--
K091	100	100	N	70	N	1,000	N	N	10	70	--
K095	100	100	N	100	N	700	N	N	10	90	--
K096	100	100	N	50	N	700	N	N	10	95	--
K099	100	150	N	50	N	500	N	N	10	170	--

Cohutta Stream Sediments--continued

sample	X-COORD.	Y-COORD.	S-FEX	S-MGX	S-CAZ	S-TJZ	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
K105	24,230	70,750	7.0	.50	.07	>1.00	1,500	N	N	N	500	500	3.0
K117	25,350	74,310	5.0	.50	.15	.50	1,000	N	N	N	150	700	5.0
K123	25,050	73,350	5.0	.50	.07	1.00	1,500	N	N	N	200	300	3.0
K135	22,460	72,110	5.0	.30	.05	1.00	700	N	N	N	300	300	2.0
K138	22,630	72,710	3.0	.30	.07	.70	1,500	N	N	N	150	500	3.0
K145	22,630	73,940	5.0	.50	.07	.70	1,500	N	N	N	300	500	3.0
K153	25,320	68,250	3.0	.30	.10	.50	1,500	N	N	N	70	700	3.0
K154	25,340	68,300	3.0	.30	.05	1.00	1,500	N	N	N	50	700	2.0
K157	24,790	68,500	3.0	.50	.10	.50	1,500	N	N	N	100	500	3.0
K158	24,470	68,400	3.0	.50	.05	1.00	1,500	N	N	N	150	500	3.0
K171	26,040	66,890	3.0	.50	.05	.70	1,500	N	N	N	150	700	2.0
K172	25,580	66,790	5.0	.50	.05	.70	1,500	N	N	N	100	700	3.0
K174	25,040	66,530	3.0	.30	.05	1.00	2,000	N	N	N	70	300	2.0
K175	26,160	66,810	3.0	.30	.05	1.00	1,500	N	N	N	30	300	1.5
K184	24,240	72,720	5.0	.50	.15	.50	3,000	N	N	N	200	700	5.0
K171	24,030	72,310	5.0	.50	.10	.50	2,000	N	N	N	100	700	3.0
K202	25,130	69,620	3.0	.30	.10	1.00	2,000	N	N	N	200	500	2.0
K207	24,210	69,480	5.0	.50	.10	1.00	1,500	N	N	N	200	500	3.0
K217	24,410	71,270	3.0	.50	.07	.70	2,000	N	N	N	100	500	5.0
K218	24,430	71,320	5.0	.50	.10	1.00	1,500	N	N	N	100	500	2.0
K222	23,620	71,060	5.0	.50	.05	1.00	1,000	N	N	N	150	500	2.0
K224	23,520	71,960	3.0	.30	.07	1.00	1,500	N	N	N	150	500	2.0
K235	19,620	73,320	5.0	.50	.05	.70	1,500	N	N	N	300	500	3.0
K238	19,210	73,630	2.0	.20	.10	1.00	700	N	N	N	500	500	2.0
K246	24,270	75,260	2.0	.30	.20	.30	2,000	<.5	N	N	70	300	5.0
K270	22,630	74,090	3.0	.20	<.05	.70	1,500	N	N	N	150	300	3.0
S156	15,490	63,430	5.0	1.00	.10	.50	1,500	N	N	N	50	1,500	2.0
S162	15,910	64,010	7.0	.70	.10	1.00	1,500	N	N	N	50	1,000	2.0
S169	15,900	64,950	7.0	.50	.07	>1.00	1,500	N	N	N	50	700	2.0
S176	15,620	68,680	7.0	.70	.07	1.00	500	N	N	N	30	1,000	2.0
S133	14,630	68,190	5.0	.50	.07	1.00	1,500	N	N	N	200	500	3.0
S191	15,330	62,830	2.0	.70	.10	.70	1,000	N	N	N	20	1,500	1.5
S194	15,610	62,400	5.0	.70	.10	>1.00	1,500	N	N	N	30	1,000	2.0
S198	15,580	62,090	10.0	1.00	.07	>1.00	2,000	N	N	N	20	1,000	2.0
S201	15,700	61,320	5.0	.70	.07	>1.00	2,000	N	N	N	50	1,000	2.0
S202	15,980	61,370	7.0	1.00	.05	>1.00	1,500	N	N	N	50	1,000	2.0
S211	15,500	65,680	7.0	.50	.10	.50	5,000	N	N	N	200	700	5.0
S221	15,580	66,970	7.0	.50	.07	.50	1,000	N	N	N	200	1,000	3.0
S225	16,360	67,370	3.0	.50	.10	.50	1,500	N	N	N	200	700	3.0
S228	16,830	67,700	5.0	.50	.07	.50	1,500	N	N	N	300	700	5.0
S229	16,750	67,590	7.0	.50	.07	.50	1,500	N	N	N	200	700	5.0
S260	17,360	65,700	3.0	.50	.07	.70	500	N	N	N	200	500	2.0
S261	17,380	65,420	3.0	.50	.07	>1.00	2,000	N	N	N	200	500	3.0
S262	17,450	65,520	3.0	.50	.15	.70	1,500	N	N	N	150	700	3.0
S276	17,520	68,360	5.0	.50	.07	1.00	500	N	N	N	200	300	3.0

Conatta Stream Sediments--continued

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
K105	N	N	30	100	50	50	N	30	50	50	N	10	N
K117	N	N	50	70	30	70	N	<20	50	100	N	10	N
K123	N	N	20	50	30	50	N	20	50	50	N	10	N
K135	N	N	15	50	20	70	N	30	30	50	N	10	N
K138	N	N	20	70	30	70	N	20	50	50	N	10	N
K145	N	N	20	70	30	70	N	20	50	50	N	15	N
K153	N	N	20	50	30	70	N	20	50	70	N	10	N
K154	N	N	20	50	15	50	N	20	20	70	N	10	N
K157	N	N	20	50	30	70	N	<20	50	70	N	10	N
K158	N	N	20	50	20	50	N	20	30	70	N	10	N
K171	N	N	15	50	20	50	N	<20	30	50	N	10	N
K172	N	N	15	50	30	70	N	20	30	50	N	10	N
K174	N	N	10	30	20	30	N	20	20	50	N	10	N
K175	N	N	10	30	10	30	N	20	20	20	N	7	N
K184	N	N	50	70	50	100	N	20	70	70	N	10	N
K191	N	N	50	100	50	100	N	20	70	70	N	15	N
K202	N	N	20	50	20	50	N	20	30	50	N	10	N
K207	N	N	20	50	30	50	N	20	30	50	N	10	N
K217	N	N	20	50	50	70	N	20	50	30	N	15	N
K218	N	N	20	50	30	70	N	20	50	50	N	10	N
K222	N	N	20	70	30	50	N	20	50	50	N	10	N
K224	N	N	20	50	30	100	N	30	50	50	N	10	N
K235	N	N	30	70	50	150	N	20	50	50	N	15	N
K238	N	N	15	50	30	100	N	20	30	50	N	10	N
K246	N	N	30	50	50	100	N	<20	30	70	N	7	N
K270	N	N	30	50	30	70	N	20	50	50	N	10	N
S156	N	N	15	70	50	150	N	20	20	50	N	15	N
S162	N	N	15	70	50	70	N	20	30	50	N	15	N
S169	N	N	15	70	70	150	N	30	30	50	N	10	N
S178	N	N	15	100	50	100	N	20	30	50	N	20	N
S183	N	N	20	70	50	100	N	20	30	50	N	10	N
S191	N	N	10	50	7	200	N	20	5	70	N	5	N
S194	N	N	15	70	50	150	N	20	20	70	N	10	N
S193	N	N	20	100	50	50	N	<20	20	50	N	10	N
S201	N	N	15	70	30	200	N	<20	15	70	N	10	N
S202	N	N	10	70	50	50	N	30	20	50	N	10	N
S211	N	N	50	70	50	100	N	20	30	70	N	15	N
S221	N	N	15	100	50	200	N	20	30	70	N	15	N
S225	N	N	15	70	30	50	N	20	20	50	N	10	N
S228	N	N	20	70	30	150	N	20	20	30	N	15	N
S229	N	N	20	70	30	70	N	<20	20	50	N	20	N
S260	N	N	10	70	30	100	N	20	20	30	N	10	N
S261	N	N	20	70	50	100	N	30	20	30	N	10	N
S262	N	N	15	70	30	100	N	20	20	30	N	10	N
S276	N	N	15	70	30	100	N	20	20	20	N	10	N

Conatta Stream Sediments--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
K105	100	100	N	100	N	1,000	N	N	10	90	--
K117	150	100	N	50	N	500	N	N	10	150	--
K123	100	100	N	100	N	>1,000	N	N	10	85	--
K135	100	100	N	70	N	>1,000	N	N	10	70	--
K138	100	100	N	70	N	1,000	N	N	10	110	--
K145	100	100	N	200	N	>1,000	N	N	10	120	--
K153	100	100	N	30	N	700	N	N	10	100	--
K154	100	100	N	30	N	1,000	N	N	10	50	--
K157	100	70	N	70	N	1,000	N	N	10	250	--
K158	100	100	N	150	N	1,000	N	N	10	70	--
K171	100	100	N	30	N	500	N	N	10	70	--
K172	100	150	N	50	N	700	N	N	10	70	--
K174	<100	70	N	70	N	>1,000	N	N	10	60	--
K175	<100	70	N	30	N	1,000	N	N	10	60	--
K184	100	150	N	70	N	500	N	N	10	140	--
K191	100	200	N	70	N	700	N	N	10	120	--
K202	100	70	N	70	N	700	N	N	10	75	--
K207	100	100	N	50	N	700	N	N	10	100	--
K217	100	100	N	70	N	700	N	N	10	140	--
K218	100	100	N	70	N	1,000	N	N	10	75	--
K222	100	100	N	100	N	1,000	N	N	10	80	--
K224	100	100	N	50	N	>1,000	N	N	10	110	--
K235	100	100	N	100	N	700	N	N	10	110	--
K236	<100	70	N	70	N	1,000	N	N	10	90	--
K246	100	70	N	50	N	150	N	N	10	140	--
K270	100	70	N	70	N	700	N	N	10	150	--
S156	<100	50	N	70	N	500	N	.10	--	85	--
S162	<100	30	N	100	N	1,000	N	.15	--	60	--
S169	<100	30	N	100	N	1,000	N	.10	--	65	--
S178	<100	30	N	100	N	1,000	N	.10	--	75	--
S183	<100	30	N	100	N	1,000	N	N	--	95	--
S191	100	30	N	100	N	1,000	N	N	--	30	--
S194	100	50	N	70	N	700	N	N	--	70	--
S198	100	30	N	100	N	1,000	N	N	--	75	--
S201	<100	50	N	200	N	1,000	N	N	--	50	--
S202	100	30	N	50	N	1,000	N	N	--	60	--
S211	100	50	N	150	N	700	N	N	--	180	--
S221	<100	50	N	100	N	>1,000	N	N	--	110	--
S225	<100	50	N	70	N	700	N	N	--	80	--
S228	<100	50	N	100	N	700	N	N	--	120	--
S229	<100	50	N	100	N	1,000	N	N	--	130	--
S250	<100	70	N	70	N	1,000	N	N	--	55	--
S261	<100	70	N	100	N	500	N	N	--	100	--
S262	100	70	N	70	N	500	N	N	--	90	--
S276	100	70	N	70	N	700	N	N	--	70	--

Cohutta Stream Sediments--continued

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-U	S-BA	S-BE
S297	17,410	68,240	5.0	.50	.10	.70	1,000	N	N	N	200	500	3.0
S301	18,140	67,730	5.0	.50	.10	.70	1,500	N	N	N	200	500	3.0
S302	18,040	67,660	5.0	.50	.10	.70	1,000	N	N	N	150	500	3.0
S322	18,260	73,560	3.0	.30	.10	1.00	1,000	N	N	N	200	500	3.0
S349	19,160	59,080	5.0	.50	.10	.70	1,000	N	N	N	30	700	2.0
S352	19,490	59,390	3.0	.50	.10	.50	1,000	N	N	N	20	700	2.0
S367	21,120	61,790	5.0	.70	.10	.50	1,500	N	N	N	100	700	2.0
S373	20,390	60,940	7.0	.70	.10	.70	1,500	N	N	N	100	700	3.0
S374	20,500	60,890	5.0	.50	.07	.70	1,000	N	N	N	20	500	2.0
S394	19,290	60,650	5.0	.50	.07	.70	1,000	N	N	N	20	300	2.0
S397	20,410	60,620	3.0	.50	.10	.50	1,000	N	N	N	20	700	2.0
S455	21,770	66,000	5.0	.50	.07	.50	1,500	N	N	N	100	500	3.0
S457	21,890	66,090	7.0	.50	.07	1.00	1,500	N	N	N	100	500	2.0
S460	19,070	60,430	5.0	.50	.10	.50	1,000	N	N	N	30	500	2.0
S481	19,090	60,350	5.0	.50	.07	.70	1,000	N	N	N	50	500	2.0
S485	18,980	61,500	5.0	.70	.10	.70	1,000	N	N	N	30	700	2.0
T004	20,720	63,050	3.0	.30	.10	>1.00	1,000	N	N	N	100	500	2.0
T012	19,960	65,320	5.0	.50	.20	>1.00	1,000	N	N	N	100	700	2.0
T015	21,890	63,440	5.0	.50	.15	>1.00	1,500	N	N	N	100	500	2.0
T018	21,950	69,560	5.0	.50	.10	1.00	1,500	N	N	N	100	500	2.0
T028	21,560	66,190	5.0	.70	.10	1.00	1,500	N	N	N	100	700	2.0
T030	21,630	67,270	1.5	.30	.15	.50	1,000	N	N	N	100	500	2.0
T031	21,550	67,510	3.0	.30	.10	.50	1,000	N	N	N	100	500	3.0
T050	18,360	61,770	5.0	.50	.10	1.00	700	N	N	N	50	700	2.0
T065	16,870	62,450	5.0	.50	.10	>1.00	1,000	N	N	N	30	500	2.0
T067	17,140	63,140	5.0	.50	.10	>1.00	1,000	2.0	N	N	30	500	2.0
T070	17,670	63,800	5.0	.50	.15	.70	1,000	N	N	N	50	700	2.0

Cohutta Stream Sediments--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
S277	N	N	20	70	30	100	N	20	30	50	N	15	30
S331	N	N	20	70	30	50	N	20	30	30	N	10	N
S332	N	N	20	150	30	100	N	20	30	50	N	15	N
S322	N	N	20	50	30	100	N	20	20	30	N	10	N
S349	N	N	15	50	20	70	N	20	20	50	N	10	N
S352	N	N	10	50	15	70	N	<20	15	30	N	10	N
S367	N	N	20	70	50	70	N	20	30	30	N	10	N
S373	N	N	15	70	50	50	N	20	20	30	N	10	N
S374	N	N	15	50	30	20	N	20	20	20	N	10	N
S374	N	N	7	50	30	200	N	<20	15	20	N	10	N
S377	N	N	10	50	20	50	N	<20	20	30	N	10	N
S455	N	N	30	70	30	100	N	<20	20	50	N	10	N
S457	N	N	20	70	50	70	N	20	20	50	N	10	N
S480	N	N	10	50	30	70	N	20	20	30	N	10	N
S481	N	N	10	70	30	20	N	20	20	30	N	10	N
S485	N	N	15	70	30	50	N	20	20	30	N	10	N
T004	N	N	20	70	30	100	N	20	20	70	N	10	N
T012	N	N	20	100	30	100	N	20	20	70	N	10	N
T015	N	N	20	100	50	70	N	20	20	70	N	10	N
T018	N	N	20	100	30	50	N	20	20	50	N	10	N
T028	N	N	30	100	20	70	N	20	30	70	N	15	N
T030	N	N	15	30	10	70	N	<20	15	30	N	10	N
T031	N	N	10	50	15	50	N	20	20	50	N	10	N
T050	N	N	10	70	20	50	N	20	20	70	N	10	15
T065	N	N	10	70	15	70	N	20	10	50	N	10	N
T067	N	N	10	50	20	150	N	20	10	50	N	10	N
T070	N	N	10	150	70	50	N	<20	70	70	N	15	N

Conatta Stream Sediments--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
S297	100	70	N	70	N	700	N	N	--	100	--
S301	100	70	N	50	N	700	N	N	--	80	--
S302	100	70	N	70	N	1,000	N	N	--	90	--
S322	100	70	N	70	N	700	N	N	--	90	--
S349	100	70	N	50	N	1,000	N	N	--	60	--
S352	150	50	N	30	N	700	N	N	--	50	--
S367	150	50	N	50	N	700	N	N	--	100	--
S373	100	70	N	50	N	700	N	N	--	80	--
S374	100	50	N	30	N	700	N	N	--	500	--
S394	<100	50	N	30	N	1,000	N	N	--	50	--
S397	100	50	N	50	N	500	N	N	--	55	--
S455	100	50	N	50	N	500	N	N	--	70	--
S457	100	70	N	70	N	700	N	N	--	80	--
S480	<100	50	N	30	N	1,000	N	N	--	65	--
S481	100	50	N	30	N	700	N	N	--	55	--
S485	<100	50	N	50	N	1,000	N	N	--	70	--
T004	100	50	N	50	N	700	N	--	10	75	N
T012	100	50	N	30	N	700	N	--	2	95	N
T015	100	50	N	50	N	700	N	--	2	100	N
T018	100	50	N	70	N	500	N	--	2	115	N
T028	100	50	N	50	N	500	N	--	5	95	N
T030	100	50	N	70	N	300	N	--	10	140	N
T031	100	70	N	30	N	500	N	--	10	95	N
T050	100	70	N	30	N	700	N	--	10	140	N
T065	100	70	N	30	N	700	N	--	10	70	N
T067	<100	70	N	50	N	1,000	N	--	10	60	N
T070	100	100	N	30	N	500	N	--	5	70	N

Cohutta Soils

sample	X-COORD.	Y-COORD.	S-FEZ	S-MG%	S-CAX	S-T1%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
AG043	18,420	69,040	5.0	.30	.05	.5	50	N	N	N	150	500	2.0
AG044	18,140	69,060	5.0	.30	.07	.5	500	N	N	N	300	500	3.0
AG056	15,590	68,880	7.0	.70	.05	.7	100	N	N	N	300	700	5.0
AG057	15,670	68,690	5.0	.50	.05	.5	100	N	N	N	150	500	2.0
AG058	15,820	68,730	7.0	.50	.05	.3	100	N	N	N	100	500	3.0
AG059	16,080	68,760	3.0	.30	.07	.7	70	N	N	N	300	500	2.0
AG060	15,330	68,810	2.0	.15	.05	.7	70	N	N	N	200	200	1.5
AG063	16,810	68,330	5.0	.70	.05	.5	150	N	N	N	500	1,000	5.0
AG064	17,120	68,620	5.0	.50	.05	.7	30	N	N	N	70	700	2.0
AG065	17,560	68,750	3.0	.20	.05	.7	70	N	N	N	100	300	1.5
AG066	17,890	69,000	7.0	.30	.05	.5	50	N	N	N	200	300	2.0
AG067	18,650	69,290	5.0	.30	.05	.7	100	N	N	N	300	500	2.0
AG068	18,970	69,550	5.0	.30	.07	.5	200	N	N	N	200	500	2.0
AG071	18,310	69,930	7.0	.30	.05	.5	200	N	N	N	300	700	5.0
AG075	20,560	59,700	5.0	.50	.07	.5	500	N	N	N	50	1,000	3.0
AG083	19,880	60,050	3.0	.50	.10	.3	1,000	N	N	N	30	700	2.0
AG084	20,080	59,880	5.0	.50	.10	.5	1,000	N	N	N	30	700	2.0
AG085	20,280	59,570	3.0	.50	.07	.5	300	N	N	N	50	700	2.0
AG086	20,250	59,210	5.0	.70	.05	.5	500	N	N	N	20	700	5.0
AG087	20,310	58,890	5.0	.50	.07	.5	500	N	N	N	30	700	3.0
AG089	22,200	62,670	5.0	.50	.07	.5	1,500	N	N	N	100	500	2.0
AG090	22,080	62,390	5.0	.50	.10	.2	500	N	N	N	100	500	5.0
AG091	21,840	62,220	5.0	.30	.10	.3	1,500	N	N	N	100	700	3.0
AG092	21,850	62,000	5.0	.50	.07	.5	500	N	N	N	150	500	3.0
AG100	21,870	61,330	5.0	.50	.07	.5	1,000	N	N	N	30	500	2.0
AG108	20,420	65,640	5.0	.50	.07	.5	300	N	N	N	150	700	3.0
AG110	19,880	65,690	3.0	.30	.07	.5	150	N	N	N	100	500	2.0
AG111	19,610	65,680	7.0	.70	.07	.3	700	N	N	N	50	1,000	2.0
AG114	19,030	65,770	7.0	.50	.05	.5	300	N	N	N	100	700	3.0
AG115	18,600	65,790	5.0	.30	.05	.7	100	N	N	N	100	500	2.0
AG117	19,040	65,910	5.0	.30	.20	.3	2,000	N	N	N	70	700	5.0
AG118	19,200	66,200	5.0	.50	.05	.5	300	N	N	N	100	700	3.0
AG119	19,560	66,390	7.0	.50	.05	.5	500	N	N	N	150	500	2.0
AG120	19,800	66,280	3.0	.30	.10	.3	300	N	N	N	70	700	2.0
AG122	20,240	66,050	2.0	.30	.10	.3	200	N	N	N	70	300	2.0
AG123	20,430	65,980	5.0	.50	.07	.5	500	N	N	N	100	700	2.0
AG124	19,740	69,080	7.0	.50	.05	.5	70	N	N	N	200	500	3.0
AG127	20,240	68,720	5.0	.50	.05	.5	70	5.0	N	N	200	500	5.0
AG128	20,410	68,390	5.0	.30	.05	.5	300	N	N	N	50	700	2.0
AG129	20,550	68,000	3.0	.50	.15	.3	2,000	N	N	N	200	700	5.0
AG130	20,770	68,030	3.0	.70	.07	.3	1,500	N	N	N	150	500	5.0
AG134	20,380	67,820	5.0	.50	.10	.3	2,000	N	N	N	200	700	3.0
AG136	19,820	68,100	5.0	.30	.07	.3	300	N	N	N	200	500	.5
AG138	19,550	68,250	5.0	.50	.10	.3	500	N	N	N	200	500	5.0
AG141	19,090	69,030	5.0	.70	.07	.5	1,500	N	N	N	200	700	5.0

Cohutta Soils

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
AG043	N	N	<5	50	20	100	N	20	20	50	N	7	N
AG044	N	N	7	70	50	100	N	20	20	30	N	10	N
AG056	N	N	15	100	70	150	N	20	30	20	N	20	N
AG057	N	N	10	70	30	100	N	20	50	20	N	15	N
AG058	N	N	10	70	50	100	N	<20	50	20	N	15	N
AG059	N	N	5	50	30	70	N	20	10	30	N	7	N
AG060	N	N	5	30	20	70	N	20	7	15	N	5	N
AG063	N	N	5	70	50	200	N	20	20	70	N	20	N
AG064	N	N	5	70	50	100	N	20	20	70	N	15	N
AG065	N	N	5	50	30	70	N	30	20	20	N	10	N
AG066	N	N	5	70	30	50	N	20	20	20	N	15	N
AG067	N	N	7	50	30	100	N	20	20	20	N	10	N
AG068	N	N	7	70	30	100	N	20	30	50	N	15	N
AG071	N	N	10	70	50	100	N	20	50	30	N	20	N
AG075	N	N	10	70	30	70	N	20	30	50	N	10	N
AG083	N	N	10	50	20	70	N	<20	20	30	N	7	N
AG084	N	N	10	70	50	50	N	20	20	50	N	10	N
AG085	N	N	10	70	30	70	N	20	20	30	N	10	N
AG086	N	N	10	70	50	100	N	20	20	50	N	15	N
AG087	N	N	10	70	30	70	N	20	20	30	N	10	N
AG089	N	N	10	70	50	70	N	20	20	30	N	10	N
AG090	N	N	10	50	50	70	N	<20	20	50	N	10	N
AG091	N	N	15	70	50	70	N	<20	20	50	N	10	N
AG092	N	N	7	70	50	50	N	20	20	30	N	10	N
AG100	N	N	7	70	30	50	N	20	20	30	N	7	N
AG108	N	N	7	70	70	70	<5	20	30	50	N	10	N
AG110	N	N	5	70	30	70	N	20	20	50	N	7	N
AG111	N	N	20	70	30	150	N	<20	30	50	N	15	N
AG114	N	N	15	70	50	70	N	20	30	50	N	10	N
AG115	N	N	5	70	50	100	N	30	30	70	N	10	N
AG117	N	N	15	50	50	100	N	20	30	50	N	10	N
AG118	N	N	10	70	50	70	N	20	30	30	N	10	N
AG119	N	N	20	70	50	70	N	20	30	30	N	10	N
AG120	N	N	10	50	30	50	N	20	20	20	N	7	N
AG122	N	N	10	50	30	70	N	<20	20	30	N	7	N
AG123	N	N	7	70	50	70	<5	20	20	50	N	10	N
AG124	N	N	7	100	50	100	<5	20	30	50	N	15	N
AG127	N	N	10	100	50	100	N	20	20	30	N	10	N
AG128	N	N	15	70	30	100	N	20	30	100	N	15	N
AG129	N	N	10	70	50	100	N	<20	15	50	N	10	N
AG130	N	N	10	70	70	100	N	<20	20	20	N	10	N
AG134	N	N	50	70	70	100	N	<20	50	50	N	10	N
AG136	N	N	10	70	50	100	N	20	20	50	N	10	N
AG138	N	N	15	70	50	100	N	20	30	30	N	10	N
AG141	N	N	10	70	70	150	N	20	30	70	N	15	N

Cohutta Soils

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
AG043	<100	70	N	70	N	1,000	N	N	--	10	--
AG044	<100	100	N	50	N	500	N	N	--	40	--
AG056	<100	100	N	200	N	300	N	N	--	30	--
AG057	<100	100	N	70	N	700	N	N	--	20	--
AG058	<100	100	N	30	N	500	N	N	--	10	--
AG059	<100	70	N	70	N	700	N	N	--	5	--
AG060	<100	70	N	50	N	300	N	N	--	5	--
AG063	100	100	N	100	N	300	N	N	--	15	--
AG064	<100	100	N	70	N	700	N	N	--	5	--
AG065	<100	70	N	70	N	1,000	N	N	--	15	--
AG066	<100	100	N	50	N	500	N	N	--	20	--
AG067	<100	100	N	150	N	700	N	N	--	15	--
AG068	<100	100	N	50	N	500	N	N	--	25	--
AG071	100	100	N	100	N	500	N	N	--	20	--
AG075	<100	100	N	20	N	300	N	N	--	75	--
AG083	<100	100	N	20	N	200	N	N	--	60	--
AG084	100	100	N	20	N	700	N	N	--	30	--
AG085	<100	100	N	30	N	700	N	N	--	35	--
AG086	<100	100	N	70	N	500	N	N	--	80	--
AG087	<100	100	N	20	N	300	N	N	--	40	--
AG089	<100	100	N	30	N	300	N	N	--	75	--
AG090	<100	70	N	30	N	150	N	N	--	60	--
AG091	100	100	N	30	N	300	N	N	--	70	--
AG092	<100	100	N	30	N	300	N	N	--	30	--
AG100	<100	100	N	20	N	300	N	N	--	60	--
AG108	<100	100	N	50	N	200	N	N	--	45	--
AG110	100	100	N	30	N	500	N	N	--	40	--
AG111	<100	100	N	30	N	500	N	N	--	110	--
AG114	<100	100	N	50	N	300	N	N	--	50	--
AG115	<100	100	N	30	N	1,000	N	N	--	15	--
AG117	100	70	N	50	N	500	N	N	--	80	--
AG118	<100	100	N	50	N	700	N	N	--	25	--
AG119	<100	100	N	70	N	700	N	N	--	30	--
AG120	<100	100	N	20	N	200	N	N	--	40	--
AG122	<100	100	N	30	N	200	N	N	--	60	--
AG123	100	100	N	50	N	300	N	N	--	40	--
AG124	<100	100	N	50	N	500	N	N	--	25	--
AG127	<100	100	N	50	N	500	N	N	--	25	--
AG128	100	100	N	100	N	500	N	N	--	25	--
AG129	<100	100	N	30	N	300	N	N	--	95	--
AG130	100	70	N	30	N	150	N	N	--	90	--
AG134	100	100	N	50	N	200	N	N	--	140	--
AG136	100	100	N	50	N	500	N	N	--	55	--
AG138	100	100	N	70	N	500	N	N	--	90	--
AG141	<100	100	N	70	N	500	N	N	--	150	--

Cohutta Soils--continued

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
AG 142	19,510	68,960	5.0	.50	.07	.5	500	N	<200	N	2	500	3.0
AG 144	20,610	66,390	3.0	.30	.07	.2	1,000	N	N	N	100	300	3.0
AG 147	21,220	65,140	5.0	.50	.07	.3	1,000	N	N	N	100	500	2.0
AG 149	21,250	64,460	5.0	.50	.07	.3	1,000	N	N	N	70	300	2.0
AG 152	21,490	63,800	5.0	.50	.07	.3	1,000	N	N	N	70	300	2.0
AG 153	21,760	63,570	5.0	.70	.07	.5	1,500	N	N	N	100	500	3.0
HQ 04	22,320	66,880	5.0	.50	.07	.5	700	N	N	N	200	500	3.0
HQ 05	22,230	66,780	3.0	.30	.05	.5	300	N	N	N	150	300	2.0
HQ 06	22,620	64,650	5.0	.70	.05	.5	1,000	N	N	N	200	500	2.0
HQ 07	22,070	62,880	5.0	.70	.05	.5	1,500	N	N	N	200	500	2.0
HQ 09	23,150	62,940	10.0	2.00	.07	.7	1,500	N	N	N	100	500	3.0
HQ 10	23,150	93,650	5.0	.70	.07	.3	1,000	N	N	N	200	300	2.0
HQ 12	27,080	67,550	7.0	.70	.07	.5	1,500	N	N	N	70	500	3.0
HQ 16	22,420	64,340	7.0	.50	.07	.3	1,500	N	N	N	150	500	2.0
HQ 17	23,340	65,210	10.0	1.00	<.05	.3	1,500	N	N	N	150	700	3.0
HQ 19	23,910	69,640	3.0	.50	.07	.5	500	N	N	N	200	300	3.0
HQ 20	23,130	69,290	5.0	.70	.10	.5	1,000	N	N	N	200	500	3.0
HQ 21	22,680	69,020	5.0	.50	<.05	.5	200	N	N	N	150	500	2.0
HQ 24	24,280	70,400	5.0	.30	.05	.5	200	N	N	N	100	500	2.0
HQ 26	22,660	69,620	2.0	.30	<.05	.3	300	N	N	N	100	300	3.0
HQ 28	25,100	67,740	5.0	.50	.07	.5	300	N	N	N	50	500	1.5
HQ 29	24,500	67,570	7.0	.50	.05	.5	150	N	N	N	100	300	2.0
HQ 30	24,200	68,300	5.0	.50	.05	.2	1,000	2.0	N	N	150	500	5.0
HQ 33	20,590	68,300	7.0	.70	.05	.3	2,000	N	N	N	200	700	5.0
HQ 35	18,900	70,140	5.0	.50	.07	.3	500	N	N	N	200	500	3.0
HQ 37	19,340	70,710	7.0	.50	.07	.5	200	N	N	N	300	500	5.0
HQ 39	19,530	72,500	7.0	.70	.05	.5	500	N	N	N	200	500	2.0
HQ 40	19,140	71,600	5.0	.50	.07	.5	200	N	N	N	200	500	2.0
HQ 41	19,400	69,450	5.0	.50	.07	.3	100	N	N	N	200	500	5.0
HQ 42	20,100	69,770	10.0	.70	.05	.5	500	N	N	N	150	500	3.0
HQ 44	20,010	70,970	7.0	.50	.05	.3	300	.7	500	N	200	300	5.0
HQ 45	19,460	69,920	7.0	.50	<.05	.5	20	N	<200	N	200	500	3.0
JQ 27	20,580	73,430	5.0	.30	.05	.5	150	N	N	N	200	500	5.0
JQ 63	21,550	72,680	3.0	.50	<.05	.5	500	<.5	N	N	200	700	5.0
JQ 64	20,770	73,530	3.0	.50	<.05	.5	100	N	N	N	500	500	5.0
JQ 71A	26,610	68,400	5.0	.30	<.05	.5	500	N	N	N	50	500	2.0
JQ 72	26,170	68,520	3.0	.50	<.05	.5	700	N	N	N	100	500	3.0
JQ 74	25,960	69,530	2.0	.20	.05	.3	1,500	N	N	N	50	300	2.0
JQ 77	26,230	70,550	5.0	.50	<.05	.5	300	N	N	N	100	500	3.0
JQ 79	26,260	71,390	3.0	.50	.07	.5	2,000	N	N	N	100	500	3.0
J110	22,600	61,670	5.0	.50	.07	.3	1,000	N	N	N	30	300	2.0
J111	22,120	61,280	5.0	.50	<.05	.5	700	N	N	N	30	500	2.0
J112	21,520	60,560	3.0	.30	.05	.5	700	N	N	N	50	300	2.0
J115	21,220	59,610	7.0	.70	<.05	1.0	700	N	N	N	15	1,000	3.0
J116	20,760	58,700	5.0	.70	<.05	.5	700	N	N	N	30	700	5.0

Cohutta Soils--continued

sample	S-BI	S-CD	S-CC	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
AG142	N	N	20	70	30	100	N	20	30	30	N	10	N
AG144	N	N	10	50	50	70	N	<20	30	30	N	7	N
AG147	N	N	10	70	50	70	N	20	20	50	N	10	N
AG149	N	N	7	70	50	50	N	20	15	70	N	10	N
AG152	N	N	10	70	50	70	N	20	20	70	N	10	N
AG153	N	N	10	70	50	100	N	20	20	30	N	10	N
H004	N	N	15	70	50	50	N	20	20	50	N	10	N
H005	N	N	5	50	30	50	N	20	15	30	N	10	N
H006	N	N	10	70	50	70	<5	<20	20	50	N	10	N
H007	N	N	10	70	50	70	N	<20	20	30	N	10	N
H009	N	N	20	70	50	50	N	20	30	20	N	15	N
H010	N	N	15	50	30	50	N	<20	20	30	N	10	N
H012	N	N	20	70	50	70	N	<20	30	50	N	10	N
H016	N	N	10	50	30	50	N	<20	20	30	N	15	N
H017	N	N	20	100	70	150	<5	20	50	50	N	20	N
H019	N	N	10	50	30	70	N	20	20	20	N	10	N
H020	N	N	50	70	50	50	N	20	30	30	N	10	N
H021	N	N	5	70	30	30	<5	<20	15	30	N	15	N
H024	N	N	5	70	30	70	N	20	20	30	N	15	N
H026	N	N	7	50	20	50	N	<20	15	70	N	10	N
H028	N	N	7	70	30	50	<5	20	20	50	N	10	N
H029	N	N	7	70	50	30	5	20	15	30	N	15	N
H030	N	N	15	50	50	70	N	<20	20	50	N	10	N
H033	N	N	30	100	70	150	5	20	50	100	N	20	N
H035	N	N	10	70	30	100	<5	20	20	70	N	10	N
H037	N	N	7	100	50	150	N	20	30	50	N	20	<10
H039	N	N	20	70	30	100	N	20	30	30	N	15	<10
H040	N	N	7	70	30	100	N	20	30	30	N	10	N
H041	N	N	10	70	50	150	N	20	20	30	N	15	N
H042	N	N	50	100	50	100	<5	20	50	50	N	15	N
H044	N	N	10	70	50	100	N	<20	20	50	N	10	N
H045	N	N	5	70	30	150	N	20	30	50	N	20	<10
J027	N	N	20	100	50	70	N	20	50	20	N	20	N
J063	N	N	20	100	70	100	N	20	30	70	N	20	N
J064	N	N	7	100	50	100	N	20	30	70	N	20	N
J071A	N	N	15	70	70	70	N	20	30	50	N	15	N
J072	N	N	15	70	30	70	N	20	50	30	N	15	N
J074	N	N	10	50	20	50	N	<20	20	50	N	10	N
J077	N	N	10	100	30	70	N	20	30	50	N	15	N
J079	N	N	15	70	50	70	N	20	30	70	N	10	N
J110	N	N	15	70	50	70	N	20	30	50	N	10	N
J111	N	N	15	100	50	70	N	20	30	50	N	15	N
J112	N	N	10	70	20	50	N	20	20	50	N	10	N
J115	N	N	10	100	30	100	N	20	50	50	N	15	N
J116	N	N	15	70	30	70	N	20	50	70	N	15	N

Cohutta Soils--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
AG142	<100	100	N	70	N	500	N	N	--	85	--
AG144	<100	70	N	20	N	150	N	N	--	110	--
AG147	<100	100	N	30	N	500	N	N	--	60	--
AG149	<100	100	N	150	N	200	N	N	--	80	--
AG152	<100	100	N	20	N	300	N	N	--	65	--
AG153	<100	100	N	50	N	300	N	N	--	90	--
H004	100	150	N	50	N	200	--	N	--	65	--
H005	<100	100	N	50	N	200	--	N	--	40	--
H006	<100	100	N	50	N	200	--	N	--	75	--
H007	<100	100	N	50	N	200	--	N	--	80	--
H009	100	100	N	50	N	200	--	N	--	140	--
H010	<100	100	N	30	N	150	--	N	--	85	--
H012	<100	100	N	30	N	200	--	N	--	85	--
H016	<100	100	N	20	N	200	--	N	--	10	--
H017	100	100	N	50	N	200	--	N	--	75	--
H019	<100	100	N	50	N	200	N	N	--	50	--
H020	100	100	N	50	N	300	N	N	--	50	--
H021	<100	100	N	30	N	200	--	N	--	20	--
H024	<100	100	N	50	N	300	--	N	--	5	--
H026	<100	100	N	30	N	200	--	N	--	55	--
H028	100	100	N	30	N	300	--	N	--	30	--
H029	<100	100	N	50	N	300	--	N	--	40	--
H030	<100	100	N	50	N	100	--	N	--	100	--
H033	100	100	N	70	N	300	--	N	--	120	--
H035	<100	100	N	50	N	200	--	N	--	65	--
H037	100	100	N	70	N	300	--	N	--	70	--
H039	<100	100	N	70	N	500	--	N	--	75	--
H040	<100	100	N	70	N	500	N	N	--	35	--
H041	100	100	N	50	N	200	N	N	--	60	--
H042	<100	100	N	50	N	300	N	N	--	95	--
H044	<100	100	N	30	N	200	N	N	--	85	--
H045	100	100	N	70	N	500	N	N	--	15	--
J027	100	100	N	70	N	300	N	N	--	60	--
J063	100	100	N	70	N	200	N	N	--	70	--
J064	<100	100	N	70	N	300	N	N	--	45	--
J071A	<100	100	N	20	N	300	N	N	--	65	--
J072	100	100	N	50	N	500	N	N	--	100	--
J074	100	100	N	20	N	300	N	N	--	80	--
J077	100	150	N	50	N	700	N	N	--	75	--
J079	100	100	N	50	N	300	N	N	--	100	--
J110	100	100	N	50	N	300	N	N	--	130	--
J111	<100	150	N	50	N	300	N	N	--	110	--
J112	<100	100	N	30	N	300	N	N	--	65	--
J115	100	100	N	30	N	500	N	N	--	120	--
J116	100	100	N	30	N	500	N	N	--	110	--

Cohutta Soils--continued

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
J118	19,910	57,700	2.0	.30	.05	.3	1,000	N	N	N	30	700	2.0
J119	18,840	57,960	3.0	.50	.10	.5	700	N	N	N	30	700	2.0
J121	18,210	59,070	3.0	.50	.15	.3	700	N	N	N	20	700	3.0
J151	22,520	71,510	10.0	.50	.05	.5	150	N	N	N	200	700	2.0
J152	22,030	71,070	7.0	.50	.05	.7	200	N	N	N	300	700	2.0
J153	21,520	70,510	10.0	.70	.05	.3	200	N	N	N	150	1,000	3.0
J154	21,460	69,550	7.0	.50	.10	.3	2,000	N	N	N	150	700	3.0
J155	21,260	68,670	7.0	.70	.07	.5	1,000	N	N	N	200	500	5.0
J156	20,780	67,950	7.0	.70	.07	.3	1,500	N	N	N	150	700	3.0
J157	23,570	66,640	2.0	.30	.07	.3	1,000	N	N	N	70	500	1.5
J161	22,900	66,890	10.0	1.00	.10	.5	5,000	N	N	N	200	1,000	2.0
J165	22,040	67,390	7.0	.50	.07	.5	500	N	N	N	200	500	1.5
J166	22,630	66,160	7.0	.70	.05	.3	300	N	N	N	200	700	2.0
J167	22,750	65,650	7.0	.70	.07	.5	1,500	N	N	N	150	700	1.5
J168	22,460	63,640	7.0	.50	.05	.5	500	N	N	N	100	500	1.0
J176	27,130	66,650	7.0	.70	.07	.3	1,500	N	N	N	70	700	3.0
J183	23,380	65,800	10.0	1.00	.05	.3	1,000	N	N	N	100	1,000	2.0
J188	22,720	67,720	5.0	.50	.07	.3	3,000	N	N	N	150	700	3.0
J189	23,490	68,110	5.0	.70	.15	.3	1,500	N	N	N	150	700	3.0
J193	23,870	68,620	7.0	.50	<.05	.3	100	N	N	N	150	700	2.0
J194	23,460	70,260	7.0	.30	.07	.5	300	N	N	N	100	500	2.0
J196	22,940	69,630	5.0	.50	.20	.7	3,000	N	N	N	100	700	2.0
J197	22,710	70,280	7.0	.50	.10	.7	1,500	N	N	N	200	700	2.0
J199	22,940	70,980	5.0	.50	.05	1.0	700	N	N	N	200	500	1.0
J207	24,800	67,970	7.0	.70	.05	1.0	700	N	N	N	100	500	2.0
J209	20,570	68,770	5.0	.70	.07	.5	1,000	N	N	N	200	1,500	3.0
J212	20,400	69,640	5.0	.70	.05	.7	300	N	N	N	150	700	2.0
J217	19,420	70,910	7.0	.70	.07	.3	700	N	N	N	200	700	3.0
J224	18,860	71,130	7.0	1.00	.10	.7	700	N	N	N	200	1,000	2.0
J225	19,910	68,960	3.0	.50	.07	.5	150	N	N	N	150	500	2.0
J227	20,300	70,540	5.0	.50	.05	.5	300	N	N	N	300	500	3.0
J232	19,840	70,310	5.0	.50	.07	.5	1,000	N	N	N	200	500	3.0
J400	21,160	64,400	3.0	.50	.07	.5	2,000	N	N	N	150	500	2.0
J406	20,500	63,760	3.0	.30	.05	.7	300	N	N	N	100	300	1.0
J407	21,370	63,380	5.0	.70	.07	.7	2,000	.5	N	N	100	700	2.0
J410	20,180	63,650	5.0	.50	.10	.7	5,000	N	N	N	100	500	2.0
J416	19,220	62,940	3.0	.20	.05	.5	150	N	N	N	70	300	1.0
J424	20,200	65,360	5.0	.50	.15	.7	300	N	N	N	70	700	2.0
J436	20,410	69,770	7.0	.70	<.05	.7	500	N	N	N	150	500	2.0
J437	20,560	70,370	7.0	.50	.07	.7	700	N	N	N	200	500	2.0
J439	21,150	70,020	5.0	.70	.10	.5	1,000	N	300	N	200	700	3.0
J443	21,520	71,250	7.0	.50	<.05	.7	200	N	N	N	70	1,000	1.5
J449	20,580	71,560	7.0	1.00	.20	.5	3,000	N	N	N	200	500	3.0
J459	21,490	67,340	5.0	.50	.07	.5	300	N	N	N	100	700	3.0
J489	24,100	67,680	7.0	.50	.07	.5	500	N	N	N	70	700	2.0

Cohutta Soils--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
J113	N	N	10	50	20	150	N	<20	20	100	N	7	N
J119	N	N	15	50	20	70	N	<20	30	100	N	10	N
J121	N	N	15	50	50	200	N	70	70	100	N	15	N
J151	N	N	7	100	50	20	N	<20	30	30	N	20	N
J152	N	N	7	100	50	100	N	20	20	50	N	15	N
J153	N	N	7	100	70	100	10	20	20	100	N	20	N
J154	N	N	50	100	50	100	N	<20	30	30	N	10	N
J155	N	N	10	70	50	100	N	20	20	30	N	15	N
J156	N	N	15	70	70	100	N	<20	30	30	N	15	N
J157	N	N	7	50	30	30	5	<20	10	50	N	7	N
J161	N	N	70	70	70	100	N	20	100	50	N	15	N
J165	N	N	15	70	50	20	N	20	20	50	N	10	N
J166	N	N	7	70	70	70	N	<20	20	50	N	10	N
J167	N	N	10	100	70	70	N	<20	30	50	N	10	N
J168	N	N	5	70	50	20	N	<20	20	50	N	10	N
J176	N	N	20	70	70	50	N	<20	30	30	N	10	N
J183	N	N	20	100	70	70	5	20	50	50	N	20	N
J188	N	N	20	70	70	50	N	20	30	50	N	15	N
J189	N	N	30	100	70	100	N	<20	50	50	N	15	N
J193	N	N	7	100	50	20	N	<20	20	30	N	15	N
J194	N	N	50	70	50	50	N	<20	50	30	N	10	N
J196	N	N	20	70	50	50	N	20	50	30	N	10	N
J197	N	N	20	100	50	50	N	20	50	50	N	10	N
J199	N	N	10	70	30	30	N	30	20	30	N	7	N
J207	N	N	7	100	50	100	N	20	50	50	N	15	N
J209	N	N	15	100	70	100	N	<20	30	100	N	20	N
J212	N	N	10	100	50	100	N	20	30	30	N	15	N
J217	N	N	10	70	50	50	N	<20	30	50	N	15	N
J224	N	N	20	100	70	100	N	20	50	50	N	20	N
J225	N	N	7	50	30	500	N	20	15	50	N	10	N
J227	N	N	10	70	50	100	N	20	30	30	N	15	N
J232	N	N	15	70	30	70	N	20	30	30	N	10	N
J400	N	N	10	100	30	100	N	20	20	70	N	15	N
J406	N	N	5	70	15	50	N	20	15	30	N	10	N
J407	N	N	10	150	30	70	N	20	20	100	N	15	N
J410	N	N	20	100	20	100	N	20	30	70	N	15	N
J416	N	N	N	70	7	50	N	20	10	50	N	7	N
J424	N	N	7	100	20	70	N	20	20	70	N	15	N
J436	N	N	30	150	50	100	N	20	50	50	N	20	N
J437	N	N	15	100	20	70	N	20	20	50	N	15	N
J439	N	N	15	100	30	100	N	20	30	100	N	20	N
J443	N	N	10	50	15	150	N	20	15	70	N	20	N
J449	N	N	30	100	50	70	N	<20	70	50	N	15	N
J459	N	N	7	100	20	70	N	<20	20	70	N	15	N
J480	N	N	30	150	20	100	N	<20	50	70	N	15	N

Cohutta Soils--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
J118	150	70	N	70	N	500	N	N	--	85	--
J119	100	100	N	30	N	500	N	N	--	100	--
J121	100	100	N	50	N	500	N	N	--	110	--
J151	100	100	N	50	N	500	N	N	--	30	--
J152	<100	100	N	70	N	500	N	N	--	40	--
J153	<100	100	N	50	N	300	N	N	--	20	--
J154	100	100	N	50	N	300	N	N	--	140	--
J155	100	100	N	50	N	200	--	N	--	110	--
J156	100	100	N	50	N	500	N	N	--	100	--
J157	<100	70	N	20	N	200	N	N	--	70	--
J161	100	100	N	50	N	300	N	N	--	140	--
J165	<100	100	N	150	N	700	N	N	--	40	--
J166	<100	100	N	50	N	500	N	N	--	75	--
J167	<100	100	N	50	N	500	N	N	--	85	--
J168	<100	100	N	30	N	700	N	N	--	80	--
J176	<100	100	N	50	N	200	N	N	--	120	--
J183	100	150	N	50	N	300	N	N	--	130	--
J188	<100	100	N	50	N	300	N	N	--	50	--
J189	100	100	N	50	N	300	N	N	--	90	--
J193	<100	100	N	150	N	300	N	N	--	55	--
J194	<100	100	N	100	N	300	N	N	--	75	--
J196	100	100	N	100	N	500	N	N	--	80	--
J197	100	100	N	70	N	500	N	N	--	55	--
J199	<100	100	N	100	N	700	N	N	--	30	--
J207	100	100	N	50	N	700	N	N	--	40	--
J209	100	100	N	70	N	300	N	N	--	70	--
J212	<100	100	N	70	N	500	N	N	--	110	--
J217	100	100	N	30	N	300	N	N	--	110	--
J224	<100	100	N	100	N	500	N	N	--	95	--
J225	<100	70	N	50	N	200	--	N	--	35	--
J227	<100	100	N	70	N	300	--	N	--	80	--
J232	<100	100	N	50	N	300	--	N	--	85	--
J400	100	100	N	50	N	300	N	--	10	85	N
J406	100	100	N	30	N	700	N	--	10	60	N
J407	100	150	N	50	N	300	N	--	10	95	N
J410	100	100	N	50	N	300	N	--	10	150	N
J416	<100	70	N	30	N	500	N	--	10	25	N
J424	100	100	N	50	N	700	N	--	10	80	N
J436	100	100	N	100	N	300	N	--	10	110	N
J437	100	100	N	30	N	300	N	--	10	75	N
J439	150	150	N	50	N	300	N	--	10	75	N
J443	100	150	N	70	N	500	N	--	10	70	N
J449	150	100	N	50	300	300	N	--	10	200	.018
J452	150	100	N	50	N	500	N	--	5	95	N
J489	100	100	N	30	200	300	N	--	10	140	N

Cohutta Soils--continued

sample	X-COORD.	Y-COORD.	S-FF%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
K013	26,460	72,620	5.0	.50	.05	.5	1,500	<.5	N	N	300	500	3.0
K015	26,520	73,500	3.0	.15	.05	.5	1,000	N	N	N	50	300	2.0
K022	21,710	74,340	2.0	.15	.05	.7	150	N	N	N	200	300	2.0
K025	20,950	74,620	5.0	.20	<.05	.5	100	N	N	N	70	300	5.0
K028	20,380	74,450	2.0	.20	<.05	.7	100	N	N	N	300	500	2.0
K031	19,860	74,520	3.0	.30	<.05	.7	300	N	N	N	200	700	3.0
K036	19,560	74,190	5.0	.20	<.05	.5	150	N	N	N	50	500	2.0
K038	19,020	74,360	3.0	.30	<.05	.7	150	N	N	N	200	700	3.0
K041	18,640	74,410	5.0	.20	<.05	.7	100	N	N	N	150	500	2.0
K055	22,270	74,570	5.0	.50	.05	.5	300	N	N	N	200	700	3.0
K057	22,500	75,420	7.0	.10	N	.5	500	N	N	N	200	300	2.0
K060	23,120	75,920	7.0	.70	<.05	.5	200	N	N	N	150	500	3.0
K064	24,670	75,080	5.0	.50	.05	.5	500	<.5	N	N	100	500	3.0
K068	23,790	75,180	5.0	.50	.05	.7	1,000	N	N	N	200	500	3.0
K071	23,380	74,530	5.0	.50	.15	.5	1,500	<.5	N	N	300	700	5.0
K080	25,740	74,060	5.0	.50	.05	.5	700	N	N	N	70	500	3.0
K084	25,610	72,990	5.0	.50	<.05	.5	200	N	N	N	70	500	3.0
K092	25,760	71,440	5.0	.50	.07	.5	2,000	N	N	N	100	500	3.0
K097	25,340	70,990	7.0	.50	.07	.5	2,000	<.5	N	N	100	500	3.0
K103	24,510	70,880	5.0	.50	.05	.5	5,000	N	N	N	100	700	3.0
K107	24,710	70,160	3.0	.30	.05	.5	1,000	N	N	N	150	700	3.0
K108	25,190	74,990	5.0	.30	.15	.3	1,500	<.5	N	N	100	500	3.0
K115	25,310	74,380	5.0	.50	.20	.3	2,000	<.5	N	N	70	500	3.0
K121	25,020	73,530	5.0	.50	.20	.5	700	N	N	N	100	700	3.0
K125	24,920	73,190	3.0	.30	<.05	.5	500	N	N	N	100	500	2.0
K129	25,290	72,680	7.0	.50	.05	.3	>5,000	N	N	N	100	500	3.0
K132	22,090	72,260	5.0	.20	<.05	.7	100	N	N	N	200	500	3.0
K137	22,740	72,390	3.0	.20	<.05	.7	300	N	N	N	150	300	2.0
K140	23,060	73,000	5.0	.50	.10	.5	500	N	N	N	150	1,000	3.0
K142	22,910	73,700	5.0	.30	.05	.7	5,000	N	N	N	150	700	2.0
K147	22,360	73,550	7.0	.50	.10	.5	2,000	N	N	N	150	500	3.0
K149	25,930	69,040	5.0	.30	.05	.5	1,000	<.5	N	N	100	700	2.0
K151	25,580	68,560	3.0	.30	.05	1.0	500	<.5	N	N	70	700	2.0
K155	24,940	68,320	5.0	1.00	.05	.7	1,000	N	N	N	100	700	2.0
K160	25,130	68,840	5.0	.50	.07	.7	1,000	N	N	N	100	700	3.0
K162	27,170	68,150	5.0	.30	<.05	1.0	700	N	N	N	100	500	1.0
K167	27,640	67,500	2.0	.10	<.05	.3	300	N	N	N	<10	300	2.0
K170	26,160	67,220	5.0	.50	<.05	.7	700	N	N	N	70	700	2.0
K176	25,180	72,290	3.0	.30	.05	.7	1,000	.5	N	N	200	700	3.0
K179	24,800	72,540	5.0	.50	.20	.5	3,000	N	N	N	150	700	3.0
K185	25,210	72,820	3.0	.30	<.05	1.0	200	.5	N	N	100	700	2.0
K190	23,510	71,990	3.0	.30	<.05	1.0	200	N	N	N	200	500	2.0
K192	24,340	72,030	2.0	.10	.05	.7	200	N	N	N	150	300	5.0
K196	25,570	70,130	3.0	.30	.10	.5	2,000	N	N	N	50	500	3.0
K201	25,140	69,700	3.0	.50	<.05	.7	300	N	N	N	150	700	5.0

Cohutta Soils--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
K013	N	N	50	100	70	70	5	20	70	50	N	15	N
K015	N	N	10	50	30	30	N	20	20	70	N	10	N
K022	N	N	5	50	10	70	N	20	20	20	N	10	N
K025	N	N	5	70	30	50	N	20	20	50	N	20	N
K028	N	N	7	50	10	70	N	20	20	30	N	10	N
K031	N	N	20	100	50	100	N	20	30	20	N	15	N
K036	N	N	15	70	10	100	N	20	30	50	N	15	N
K038	N	N	7	100	30	100	N	20	20	50	N	15	N
K041	N	N	10	70	15	70	N	20	50	30	N	15	N
K055	N	N	7	70	30	70	N	20	20	70	N	15	N
K057	N	N	20	70	30	70	N	20	70	30	N	15	N
K060	N	N	20	100	50	70	N	20	70	30	N	15	N
K064	N	N	30	100	30	70	N	20	50	70	N	10	N
K068	N	N	30	70	30	100	N	20	50	50	N	15	N
K071	N	N	50	100	30	70	N	20	50	70	N	15	N
K080	N	N	20	70	50	70	N	20	70	50	N	15	N
K084	N	N	15	100	20	70	N	20	50	30	N	15	N
K092	N	N	70	100	50	100	N	20	100	30	N	15	N
K097	N	N	100	100	100	150	N	20	150	50	N	15	N
K103	N	N	50	70	30	100	N	20	70	30	N	15	N
K107	N	N	15	100	30	70	N	20	50	30	N	15	N
K108	N	N	15	100	50	100	N	20	30	30	N	15	N
K115	N	N	70	100	150	150	N	20	150	30	N	15	N
K121	N	N	50	70	50	70	N	20	70	30	N	15	N
K125	N	N	30	70	20	70	N	20	70	30	N	15	N
K129	N	N	100	70	150	100	N	<20	70	50	N	15	N
K132	N	N	5	100	50	100	N	20	20	50	N	15	N
K137	N	N	7	70	30	50	N	20	20	30	N	15	N
K140	N	N	50	70	30	100	N	20	70	70	N	15	N
K142	N	N	15	100	30	50	N	20	30	50	N	15	N
K147	N	N	70	70	70	70	N	20	100	50	N	15	N
K149	N	N	15	100	50	50	N	<20	15	100	N	15	N
K151	N	N	10	100	20	50	N	20	30	50	N	10	N
K155	N	N	30	100	50	100	N	20	70	50	N	15	N
K160	N	N	20	70	30	70	N	20	50	50	N	10	N
K162	N	N	7	70	20	70	N	30	30	30	N	15	N
K167	N	N	N	30	30	50	N	<20	15	30	N	10	N
K170	N	N	15	100	50	70	N	20	50	50	N	15	N
K176	N	N	20	100	30	70	N	20	30	50	N	15	N
K179	N	N	100	70	70	100	N	20	100	30	N	15	N
K185	N	N	10	70	30	70	N	20	30	30	N	15	N
K190	N	N	10	70	20	100	N	20	30	50	N	10	N
K192	N	N	N	30	10	50	N	20	10	15	N	10	N
K196	N	N	30	50	30	100	N	20	70	30	N	10	N
K201	N	N	20	70	50	70	N	20	70	20	N	15	N

Cohutta Soils--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
K013	100	150	N	70	N	500	N	N	--	110	--
K015	<100	100	N	50	N	700	N	N	--	130	--
K022	<100	100	N	50	N	1,000	N	N	--	45	--
K025	<100	150	N	70	N	500	N	N	--	40	--
K028	<100	100	N	70	N	700	N	N	--	40	--
K031	100	150	N	70	N	500	N	N	--	60	--
K036	<100	150	N	50	N	500	N	N	--	35	--
K039	100	150	N	70	N	500	N	N	--	60	--
K041	<100	150	N	70	N	1,000	N	N	--	40	--
K055	100	100	N	100	N	700	N	N	--	80	--
K057	<100	100	N	100	N	700	N	N	--	50	--
K060	100	150	N	70	N	300	N	N	--	110	--
K064	100	100	N	150	N	500	N	N	--	130	--
K068	<100	100	N	70	N	500	N	N	--	130	--
K071	100	150	N	70	N	300	N	N	--	130	--
K080	100	100	N	70	N	700	N	N	--	150	--
K084	100	150	N	50	N	500	N	N	--	110	--
K092	100	100	N	70	N	500	N	N	--	160	--
K097	150	100	N	70	200	500	N	N	--	260	--
K103	100	100	N	70	200	500	N	N	--	160	--
K107	100	100	N	50	N	500	N	N	--	80	--
K108	100	100	N	70	N	300	N	N	--	140	--
K115	100	100	N	70	N	300	N	N	--	220	--
K121	100	100	N	70	N	700	N	N	--	130	--
K125	100	70	N	70	N	1,000	N	N	--	95	--
K129	100	100	N	50	N	200	N	N	--	290	--
K132	100	100	N	70	N	500	N	N	--	50	--
K137	100	100	N	70	N	700	N	N	--	90	--
K140	100	100	N	70	N	300	N	N	--	170	--
K142	100	150	N	70	N	300	N	N	--	100	--
K147	100	100	N	70	200	200	N	N	--	230	--
K149	100	100	N	50	N	500	N	N	--	65	--
K151	100	100	N	50	N	700	N	N	--	50	--
K155	150	100	N	50	N	300	N	N	--	140	--
K160	100	100	N	100	N	700	N	N	--	95	--
K162	<100	150	N	30	N	700	N	N	--	60	--
K167	<100	70	N	20	N	200	N	N	--	90	--
K170	100	150	N	30	N	500	N	N	--	80	--
K176	100	150	N	70	N	300	N	N	--	65	--
K179	150	100	N	100	N	700	N	N	--	200	--
K185	100	150	N	70	N	700	N	N	--	80	--
K190	100	100	N	70	N	700	N	N	--	60	--
K192	100	100	N	100	N	700	N	N	--	25	--
K196	100	100	N	100	N	500	N	N	--	150	--
K201	100	100	N	70	N	500	N	N	--	110	--

Cohutta Soils--continued

sample	X-COORD.	Y-COORD.	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-AU	S-R	S-RA	S-RE
K206	24,370	69,490	3.0	.30	.10	.5	1,500	N	N	N	200	700	5.0
K210	23,930	69,780	5.0	.70	<.05	.7	150	N	N	N	200	1,000	5.0
K214	24,940	71,680	3.0	.20	.05	.3	700	.5	N	N	100	500	5.0
K219	24,230	71,260	5.0	.70	.05	.3	1,000	N	N	N	100	700	5.0
K225	23,830	71,730	3.0	.50	.10	.5	1,500	N	N	N	100	700	3.0
K233	19,510	73,710	5.0	.50	.05	.7	150	<.5	N	N	200	700	3.0
K236	19,900	73,290	2.0	.20	.05	.5	300	<.5	N	N	100	300	5.0
K239	19,160	73,760	5.0	.50	<.05	.7	150	N	N	N	300	500	5.0
K243	25,110	75,570	7.0	.30	.15	.3	700	<.5	N	N	100	300	3.0
K245	24,600	75,370	3.0	.10	.05	.2	3,000	<.5	N	N	20	200	3.0
K247	24,300	74,660	1.5	.15	.05	.5	150	N	N	N	70	300	3.0
K249	24,450	74,060	5.0	.50	.05	.5	2,000	N	N	N	100	700	5.0
K250	24,490	73,100	5.0	.50	.05	.7	700	N	N	N	100	700	3.0
K252	25,910	73,400	7.0	.70	.07	.7	1,000	N	N	N	150	700	3.0
K254	22,290	73,870	5.0	.50	<.05	1.0	150	N	N	N	500	700	5.0
K258	23,010	74,280	5.0	.50	<.05	.7	300	N	N	N	200	700	5.0
K261	23,800	74,630	5.0	.50	.07	.7	1,000	N	N	N	200	700	5.0
K265	23,920	73,590	7.0	.30	N	1.0	150	N	N	N	100	1,000	3.0
K274	21,830	73,650	3.0	.30	.05	1.0	300	N	N	N	200	700	5.0
K282	20,420	73,770	2.0	.20	.05	.5	300	.5	N	N	100	500	5.0
K291	21,200	73,940	7.0	.70	.05	1.0	1,000	N	N	N	200	700	5.0
K294	25,600	67,850	3.0	.50	.05	.7	1,000	N	N	N	30	500	2.0
K298	25,150	66,990	5.0	.70	.05	.7	1,500	N	N	N	150	1,000	3.0
K304	21,150	72,870	7.0	.20	N	.7	150	2.0	N	N	300	700	5.0
K306	20,680	72,440	7.0	.70	<.05	.7	150	1.0	N	N	150	700	3.0
K318	19,810	71,960	5.0	.50	<.05	.5	700	.5	N	N	150	700	3.0
K323	19,540	72,570	3.0	.20	<.05	.7	300	N	N	N	150	500	3.0
K342	20,260	72,760	5.0	.70	<.05	.7	200	.5	N	N	200	700	5.0
S150	26,200	71,840	5.0	.30	.05	.7	700	N	N	N	150	700	3.0
S151	14,960	64,000	5.0	.70	.05	.5	2,000	N	N	N	200	700	2.0
S157	15,560	63,220	3.0	.70	.10	.5	1,500	N	N	N	70	1,000	3.0
S159	16,200	63,300	5.0	.50	.07	.3	1,000	N	N	N	100	500	2.0
S165	15,880	64,240	5.0	.70	.05	.5	200	N	N	N	100	1,000	2.0
S171	15,520	64,500	5.0	.50	.07	.3	300	N	N	N	100	700	3.0
S172	14,060	68,140	7.0	1.00	.05	.5	700	N	N	N	200	700	3.0
S182	15,000	68,500	5.0	.50	.05	.3	700	N	N	N	150	300	3.0
S187	14,220	67,660	5.0	.50	.05	.5	300	N	N	N	200	500	3.0
S188	14,900	62,620	3.0	.70	.07	.5	1,500	N	N	N	70	700	2.0
S190	15,280	62,860	5.0	1.00	.05	.3	200	N	N	N	50	700	2.0
S195	15,620	62,440	10.0	1.50	.07	.5	150	N	N	N	50	1,000	2.0
S200	15,820	61,940	5.0	.70	.10	.5	700	N	N	N	50	700	3.0
S203	15,560	61,300	5.0	.30	.05	.7	500	N	N	N	70	200	1.0
S205	14,900	60,960	7.0	.70	.05	.7	300	N	N	N	70	500	1.0
S207	14,940	61,860	7.0	.70	.05	.5	200	N	N	N	50	500	1.5
S210	15,320	65,500	7.0	.70	.05	.5	1,000	<.5	N	N	150	700	2.0

Cohutta Soils--continued

sample	S-BI	S-CD	S-CC	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
K206	N	N	20	20	30	70	N	20	50	50	N	10	N
K210	N	N	15	70	70	100	N	20	30	50	N	30	N
K214	N	N	20	50	70	70	N	<20	30	20	N	15	N
K219	N	N	30	70	50	100	N	20	100	30	N	15	N
K225	N	N	30	70	50	70	N	20	70	50	N	15	N
K233	N	N	30	100	50	100	N	20	70	50	N	20	N
K236	N	N	20	70	50	70	N	<20	30	30	N	10	N
K239	N	N	20	100	50	100	N	30	70	30	N	15	N
K243	N	N	50	70	70	70	N	<20	70	100	N	10	N
K245	N	N	100	30	100	150	N	<20	50	20	N	7	N
K247	N	N	5	50	20	50	N	<20	10	15	N	10	N
K249	N	N	100	70	100	100	N	20	100	70	N	15	N
K250	N	N	70	70	50	70	N	20	70	30	N	15	N
K252	N	N	70	100	20	100	N	20	150	50	N	15	N
K254	N	N	30	70	70	70	N	20	70	30	N	20	N
K258	N	N	10	100	50	70	N	20	50	50	N	20	N
K261	N	N	70	70	30	70	N	20	100	50	N	15	N
K265	N	N	7	70	30	70	N	20	20	50	N	15	N
K274	N	N	10	100	30	100	N	20	30	50	N	20	N
K282	N	N	7	50	20	50	N	<20	15	30	N	10	N
K291	N	N	70	150	70	150	N	20	100	30	N	20	N
K294	N	N	10	70	30	50	N	<20	30	50	N	10	N
K298	N	N	20	100	30	100	N	20	50	50	N	20	N
K304	N	N	N	70	70	100	N	20	50	10	N	30	N
K306	N	N	70	150	100	100	N	20	100	50	N	20	N
K318	N	N	30	70	70	70	N	20	70	50	N	15	N
K323	N	N	10	70	30	70	N	20	30	50	N	15	N
K342	N	N	30	150	100	100	N	20	70	50	N	20	N
S150	N	N	15	70	30	20	N	20	70	50	N	15	N
S151	N	N	10	100	50	100	N	20	30	50	N	15	N
S157	N	N	10	100	20	70	N	20	20	50	N	10	N
S159	N	N	7	70	30	70	N	20	15	70	N	10	N
S165	N	N	10	100	30	100	N	20	20	50	N	10	N
S171	N	N	7	70	30	100	N	<20	15	50	N	10	N
S172	N	N	30	100	50	100	N	30	30	50	N	20	N
S182	N	N	15	50	50	70	N	<20	15	70	N	10	N
S187	N	N	10	70	50	100	N	20	15	30	N	15	N
S188	N	N	10	50	20	70	N	20	10	50	N	7	N
S190	N	N	5	50	15	70	N	<20	20	50	N	10	N
S195	N	N	10	100	30	100	N	20	20	70	N	15	N
S200	N	N	10	70	20	50	N	20	20	70	N	10	N
S203	N	N	5	70	30	50	N	30	5	30	N	10	N
S205	N	N	5	100	30	50	N	20	20	50	N	10	N
S207	N	N	5	100	30	150	N	20	20	50	N	10	N
S210	N	N	15	100	50	100	N	20	30	30	N	15	N

Cohutta Soils--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
K206	100	100	N	70	N	700	N	N	--	140	--
K210	100	200	N	100	N	700	N	N	--	40	--
K214	100	100	N	50	N	300	N	N	--	130	--
K219	100	150	N	70	N	500	N	N	--	140	--
K225	100	100	N	70	N	500	N	N	--	200	--
K233	100	150	N	70	N	500	N	N	--	90	--
K236	100	100	N	50	N	300	N	N	--	150	--
K239	100	150	N	70	N	700	N	N	--	140	--
K243	100	100	N	70	N	500	N	N	--	220	--
K245	150	50	N	50	N	100	N	N	--	280	--
K247	100	100	N	50	N	700	N	N	--	90	--
K249	100	150	N	50	N	300	N	N	--	170	--
K250	100	150	N	70	N	700	N	N	--	120	--
K252	100	150	N	70	N	700	N	N	--	150	--
K254	150	150	N	70	N	700	N	N	--	50	--
K258	100	150	N	70	N	500	N	N	--	110	--
K261	100	150	N	70	N	500	N	N	--	110	--
K265	100	150	N	70	N	1,000	N	N	--	30	--
K274	100	150	N	70	N	1,000	N	N	--	50	--
K282	100	70	N	70	N	500	N	N	--	70	--
K291	150	100	N	100	N	700	N	N	--	140	--
K294	100	70	N	50	N	700	N	N	--	95	--
K298	100	150	N	70	N	300	N	N	--	100	--
K304	100	150	N	150	N	700	N	N	--	60	--
K306	100	150	N	70	N	500	N	N	--	140	--
K318	<100	100	N	70	N	500	N	N	--	140	--
K323	<100	100	N	70	N	1,000	N	N	--	70	--
K342	100	150	N	70	N	500	N	N	--	70	--
S150	100	150	N	50	N	700	N	N	--	50	--
S151	<100	150	N	50	N	300	N	N	--	40	--
S157	100	100	N	20	N	200	N	N	--	100	--
S159	<100	100	N	30	N	300	N	N	--	60	--
S165	<100	100	N	50	N	700	N	N	--	25	--
S171	<100	100	N	50	N	300	N	N	--	60	--
S172	<100	100	N	50	N	500	N	N	--	80	--
S182	<100	100	N	100	N	500	N	N	--	35	--
S187	<100	100	N	100	N	700	N	N	--	50	--
S188	<100	100	N	50	N	500	N	N	--	50	--
S190	<100	100	N	20	N	300	N	N	--	90	--
S195	<100	100	N	50	N	500	N	N	--	120	--
S200	<100	100	N	30	N	200	N	N	--	80	--
S203	<100	100	N	50	N	700	N	N	--	20	--
S205	<100	100	N	50	N	500	N	N	--	55	--
S207	<100	100	N	70	N	500	N	N	--	45	--
S210	<100	100	N	70	N	300	N	N	--	110	--

Cohutta Soils--continued

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
S214	15,730	66,190	5.0	.30	.07	.5	150	N	N	N	70	300	1.5
S216	16,060	66,580	3.0	.50	.07	.5	200	.5	N	N	100	500	3.0
S220	15,680	66,840	5.0	.50	.07	.3	500	1.0	N	N	150	300	2.0
S224	16,190	67,410	10.0	.70	.05	.5	300	.5	N	N	200	500	3.0
S227	16,630	67,710	7.0	.70	.07	.5	200	N	N	N	300	700	5.0
S232	17,160	67,220	3.0	.50	.05	.3	500	1.0	N	N	100	500	3.0
S235	17,460	66,340	5.0	.50	.15	.5	1,000	N	N	N	100	700	3.0
S237	16,890	65,950	10.0	.70	<.05	.5	70	N	N	N	100	1,000	3.0
S239	16,040	60,170	5.0	.50	.07	.3	1,000	N	N	N	70	500	3.0
S241	15,730	60,760	5.0	.50	.10	.5	1,000	N	N	N	70	500	2.0
S243	16,320	60,750	5.0	.50	.10	.3	1,500	N	N	N	70	500	2.0
S248	15,440	60,390	5.0	.70	.05	.5	500	N	N	N	100	500	1.5
S251	14,960	63,200	7.0	.70	.05	.5	1,500	N	N	N	70	1,000	3.0
S254	15,290	64,980	7.0	.50	.05	.5	150	N	N	N	150	700	2.0
S256	15,930	65,690	5.0	.50	.07	.7	150	N	N	N	100	500	2.0
S259	17,100	65,520	7.0	.50	.05	.7	200	N	N	N	70	700	1.0
S264	17,880	65,360	5.0	.50	.07	.5	200	N	N	N	100	500	2.0
S267	18,420	65,000	5.0	.50	.07	.3	2,000	N	N	N	200	700	5.0
S269	18,970	64,760	7.0	.30	.07	.5	500	N	N	N	150	700	1.0
S271	17,880	64,720	5.0	.50	.05	.3	100	N	N	N	150	500	2.0
S273	16,950	64,680	5.0	.50	.07	.5	200	.5	N	N	100	300	1.0
S275	16,370	64,730	7.0	.70	.07	.3	200	N	N	N	100	700	1.0
S277	18,280	70,430	7.0	.70	<.05	.7	50	N	N	N	200	700	1.5
S281	18,820	71,850	5.0	.30	.05	.7	150	N	N	N	200	500	1.0
S284	19,410	73,140	7.0	.70	<.05	.5	100	N	N	N	200	700	3.0
S285	14,750	67,490	7.0	.50	<.05	.5	70	N	N	N	200	500	2.0
S297	15,280	67,180	7.0	.70	<.05	.7	100	N	N	N	200	1,000	2.0
S289	15,260	66,330	7.0	.70	<.05	.5	70	N	N	N	200	700	2.0
S295	17,570	68,440	5.0	.70	.05	.5	150	N	N	N	200	1,000	5.0
S300	18,650	67,920	5.0	.70	.07	.7	1,000	N	N	N	200	1,500	5.0
S304	18,270	67,450	3.0	.30	.07	.7	100	N	N	N	150	500	1.5
S306	18,890	68,720	5.0	.50	.05	.3	150	N	N	N	200	500	5.0
S310	18,780	68,460	7.0	.70	.07	.5	200	.7	N	N	200	1,000	5.0
S315	18,420	73,930	7.0	.50	.07	.5	200	N	N	N	200	700	3.0
S319	18,810	73,190	7.0	.50	.07	.5	200	N	N	N	200	1,000	3.0
S323	18,190	73,580	7.0	.70	.07	.5	200	N	N	N	200	1,000	3.0
S326	17,690	73,520	5.0	.50	.07	.7	1,000	N	N	N	200	1,000	2.0
S330	17,050	73,690	5.0	.70	.07	.5	1,000	N	N	N	200	1,000	3.0
S332	16,470	73,790	3.0	.70	.15	.5	1,500	N	N	N	150	700	2.0
S334	16,092	73,990	7.0	.50	<.05	.5	150	N	N	N	200	1,500	5.0
S336	17,710	74,000	5.0	.20	.07	.3	200	N	N	N	150	500	3.0
S339	18,410	74,350	5.0	.50	.05	.5	150	N	N	N	200	1,500	3.0
S342	19,390	57,770	5.0	.70	.10	.5	1,500	N	N	N	20	500	2.0
S345	19,290	58,290	5.0	.70	.07	.3	1,500	N	N	N	50	1,500	2.0
S347	19,140	58,670	5.0	.70	.05	.3	500	N	N	N	20	1,000	3.0

Cohutta Soils--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
S214	N	N	7	70	30	30	N	20	15	50	N	10	N
S216	N	N	7	70	30	70	N	20	15	50	N	15	N
S220	N	N	7	70	50	30	N	20	10	30	N	15	N
S224	N	N	20	100	70	70	N	20	50	50	N	20	<10
S227	N	N	10	100	70	100	N	20	30	50	N	20	<10
S232	N	N	10	70	50	30	N	<20	20	50	N	10	N
S235	N	N	5	70	50	50	N	20	15	50	N	10	N
S237	N	N	5	150	70	100	N	20	30	70	N	20	<10
S239	N	N	7	50	50	50	N	<20	20	70	N	10	N
S241	N	N	7	70	30	50	N	20	20	50	N	10	N
S243	N	N	7	70	30	20	N	<20	20	70	N	10	N
S248	N	N	7	70	30	50	N	20	20	50	N	10	N
S251	N	N	7	100	70	150	N	20	30	50	N	20	N
S254	N	N	20	100	70	100	N	20	30	30	N	15	N
S256	N	N	5	70	50	100	N	20	15	50	N	15	N
S259	N	N	7	100	50	200	N	30	20	70	N	10	N
S264	N	N	5	70	30	30	N	20	15	70	N	10	N
S267	N	N	20	100	50	50	N	20	30	50	N	15	N
S269	N	N	7	70	30	50	N	20	20	70	N	5	N
S271	N	N	10	70	50	200	N	20	20	50	N	10	N
S273	N	N	<5	50	20	50	N	20	10	30	N	10	N
S275	N	N	10	100	50	30	N	20	30	70	N	10	N
S277	N	N	10	100	50	50	N	20	50	30	N	15	<10
S281	N	N	5	100	50	50	N	30	50	70	N	10	N
S284	N	N	5	100	50	100	N	20	20	50	N	15	N
S285	N	N	5	100	50	70	N	20	20	30	N	15	N
S287	N	N	10	100	50	100	N	20	30	30	N	20	N
S289	N	N	15	100	70	150	N	20	30	70	N	20	<10
S295	N	N	5	100	50	100	N	20	50	50	N	20	N
S300	N	N	15	100	100	150	7	20	50	70	N	20	N
S304	N	N	5	70	50	70	N	20	10	30	N	10	N
S306	N	N	15	70	100	50	N	<20	50	20	N	10	N
S310	N	N	10	100	100	70	5	20	30	50	N	15	N
S315	N	N	20	100	70	100	N	20	50	50	N	20	N
S319	N	N	20	100	70	100	N	20	30	30	N	15	N
S323	N	N	20	100	70	100	N	20	50	30	N	15	N
S326	N	N	20	100	70	100	N	20	50	20	N	20	N
S330	N	N	15	100	70	100	N	20	50	30	N	20	N
S332	N	N	20	70	50	100	N	20	20	30	N	10	N
S334	N	N	15	100	70	70	N	20	30	30	N	15	N
S336	N	N	10	70	70	50	N	20	30	20	N	15	N
S339	N	N	5	100	50	150	N	20	10	50	N	30	N
S342	N	N	15	100	70	100	N	<20	30	30	N	30	N
S345	N	N	15	100	50	70	N	20	30	50	N	15	N
S347	N	N	10	70	30	100	N	20	20	50	N	15	N

Cohutta Soils--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
S214	<100	100	N	50	N	300	N	N	--	40	--
S216	<100	100	N	70	N	500	N	N	--	50	--
S220	<100	100	N	50	N	200	N	N	--	50	--
S224	<100	100	N	50	N	200	N	N	--	90	--
S227	100	100	N	70	N	300	N	N	--	100	--
S232	100	70	N	50	N	300	N	N	--	90	--
S235	<100	100	N	50	N	300	N	N	--	70	--
S237	100	100	N	70	N	500	N	N	--	15	--
S239	<100	100	N	30	N	200	N	N	--	70	--
S241	<100	100	N	50	N	500	N	N	--	40	--
S243	<100	100	N	20	N	200	N	N	--	80	--
S248	<100	150	N	30	N	500	N	N	--	50	--
S251	<100	100	N	50	N	700	N	N	--	40	--
S254	100	100	N	50	N	500	N	N	--	55	--
S256	100	100	N	70	N	700	N	N	--	40	--
S259	100	100	N	50	N	700	N	N	--	30	--
S264	<100	100	N	30	N	700	N	N	--	25	--
S267	100	150	N	50	N	500	N	N	--	60	--
S269	<100	100	N	50	N	700	N	N	--	35	--
S271	100	100	N	50	N	300	N	N	--	30	--
S273	<100	100	N	30	N	700	N	N	--	30	--
S275	<100	150	N	50	N	500	N	N	--	60	--
S277	<100	150	N	50	N	1,000	N	N	--	20	--
S281	<100	100	N	50	N	1,000	N	N	--	10	--
S284	<100	100	N	150	N	500	N	N	--	15	--
S285	<100	100	N	50	N	700	N	N	--	15	--
S287	<100	100	N	70	N	700	N	N	--	20	--
S289	<100	100	N	70	N	500	N	N	--	50	--
S295	100	150	N	100	N	700	N	N	--	85	--
S300	<100	150	N	150	N	300	N	N	--	60	--
S304	<100	100	N	70	N	700	N	N	--	40	--
S306	<100	100	N	30	N	200	N	N	--	15	--
S310	<100	100	N	70	N	300	N	N	--	110	--
S315	<100	100	N	100	N	1,000	N	N	--	15	--
S319	<100	100	N	70	N	700	N	N	--	50	--
S323	100	100	N	70	N	500	N	N	--	75	--
S326	100	100	N	100	N	700	N	N	--	55	--
S330	<100	100	N	100	N	500	N	N	--	40	--
S332	100	100	N	100	N	700	N	N	--	55	--
S334	<100	150	N	70	N	500	N	N	--	45	--
S336	<100	70	N	50	N	200	N	N	--	20	--
S339	150	100	N	100	N	500	N	N	--	20	--
S342	<100	200	N	50	N	150	N	N	--	70	--
S345	100	150	N	30	N	1,000	N	N	--	60	--
S347	100	100	N	30	N	500	N	N	--	55	--

Cohutta Soils--continued

sample	X-COORD.	Y-COORD.	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU	S-R	S-RA	S-BE
S351	19,380	59,320	7.0	.70	.07	5.0	1,500	N	N	N	20	700	5.0
S354	18,960	59,540	5.0	.30	<.05	.5	1,000	N	N	N	10	1,000	2.0
S356	18,310	59,310	5.0	.50	.05	.3	500	N	N	N	20	1,000	2.0
S360	21,580	62,840	7.0	.70	.07	.5	1,500	N	N	N	100	1,000	3.0
S363	21,490	62,310	5.0	.70	.10	.3	2,000	N	N	N	50	1,000	5.0
S366	21,230	61,930	5.0	.50	.07	.5	1,000	N	N	N	50	1,000	2.0
S369	20,800	61,560	7.0	.70	.05	.5	1,000	N	N	N	50	1,000	2.0
S372	20,360	61,050	5.0	.50	.05	.5	1,500	N	N	N	50	1,000	3.0
S376	20,980	60,820	7.0	.50	.07	.5	700	N	N	N	30	1,000	2.0
S379	21,650	63,240	7.0	.70	.07	.5	2,000	N	N	N	100	1,000	3.0
S384	20,950	62,670	5.0	.30	.10	.3	2,000	N	N	N	50	700	2.0
S386	20,550	62,290	7.0	.50	.05	.5	500	N	N	N	70	700	1.5
S388	19,770	61,900	5.0	.50	.07	.3	1,500	N	N	N	100	1,000	3.0
S390	19,700	61,410	7.0	.50	<.05	.5	700	N	N	N	20	700	2.0
S393	19,480	60,850	10.0	.50	N	.5	500	N	N	N	20	1,000	3.0
S398	20,460	60,620	7.0	.50	.05	.5	700	N	N	N	30	700	2.0
S400	20,790	60,280	5.0	.50	.07	.5	1,500	N	N	N	30	1,000	2.0
S402	19,760	58,140	5.0	.50	.07	.3	1,000	N	N	N	30	1,000	2.0
S404	19,720	58,540	5.0	.70	.07	.3	1,500	N	N	N	20	1,000	2.0
S406	19,690	58,880	3.0	.30	.05	.3	300	N	N	N	20	500	1.5
S412	19,010	58,450	5.0	.50	.05	.5	300	N	N	N	20	700	2.0
S414	20,500	58,200	5.0	.50	.05	.3	500	N	N	N	20	700	1.5
S415	21,060	59,040	5.0	.50	.05	.5	1,000	N	N	N	50	500	2.0
S418	21,530	60,100	3.0	.50	.07	.3	1,000	N	N	N	50	500	1.5
S420	21,740	60,940	5.0	.50	<.05	.3	700	N	N	N	70	500	3.0
S422	22,490	61,560	5.0	.70	.07	.3	1,000	N	N	N	15	500	3.0
S423	20,520	66,970	7.0	.70	.05	.5	200	N	N	N	150	1,000	2.0
S426	19,780	67,040	2.0	.20	.07	.3	300	N	N	N	30	700	1.5
S428	19,330	67,170	5.0	.30	.07	.5	70	N	N	N	100	700	2.0
S431	18,720	67,070	3.0	.30	.07	.5	100	N	N	N	70	700	2.0
S433	18,250	66,850	5.0	.50	.10	.5	300	N	N	N	200	700	2.0
S436	18,240	66,300	5.0	.50	.05	.5	100	.5	N	N	150	700	3.0
S437	18,710	66,440	3.0	.20	.07	.7	150	N	N	N	70	500	1.5
S440	19,310	66,660	2.0	.30	.07	.5	70	N	N	N	100	300	1.5
S442	19,880	66,510	7.0	.50	.10	.7	500	N	N	N	50	1,000	3.0
S445	18,660	58,270	5.0	.50	.07	.3	300	N	N	N	20	700	2.0
S446	18,380	58,770	5.0	.50	.10	.3	500	N	N	N	50	700	2.0
S447	16,730	59,790	7.0	.70	.10	.5	500	N	N	N	30	1,000	3.0
S449	17,820	59,410	5.0	.70	.05	.5	500	N	N	N	50	1,000	2.0
S452	21,780	65,600	7.0	.50	.07	.5	300	N	N	N	100	500	1.5
S458	22,020	66,070	7.0	.50	.07	.3	500	N	N	N	100	700	3.0
S461	22,190	65,430	3.0	.30	.05	.5	300	N	N	N	70	500	2.0
S463	22,290	64,950	5.0	.50	.07	.3	1,000	N	N	N	100	500	2.0
S465	22,330	64,270	5.0	.50	.07	.3	1,000	N	N	N	100	700	2.0
S470	22,380	63,170	5.0	.50	.05	.5	700	N	N	N	100	500	2.0

Cohutta Soils--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
S351	N	N	20	100	70	100	N	20	50	50	N	15	N
S354	N	N	10	70	50	100	N	20	20	50	N	15	N
S356	N	N	7	70	30	100	N	20	20	30	N	20	N
S360	N	N	20	100	70	100	N	20	50	30	N	20	N
S363	N	N	20	70	50	150	N	20	30	50	N	15	N
S366	N	N	10	70	50	50	N	20	20	30	N	15	N
S369	N	N	30	100	50	100	N	20	50	70	N	20	N
S372	N	N	15	70	30	70	N	20	20	30	N	15	N
S376	N	N	10	100	50	50	N	20	20	70	N	15	N
S379	N	N	20	100	70	70	N	20	30	50	N	15	N
S384	N	N	7	70	50	50	N	<20	20	50	N	10	N
S386	N	N	10	100	50	70	N	20	30	150	N	15	N
S388	N	N	20	70	50	50	N	<20	20	50	N	15	N
S390	N	N	15	70	50	70	N	20	20	300	N	15	N
S393	N	N	5	100	50	100	N	20	20	30	N	20	N
S398	N	N	15	100	50	50	N	20	30	50	N	10	N
S400	N	N	15	100	50	50	N	20	30	50	N	15	N
S402	N	N	10	70	30	70	N	<20	20	30	N	10	N
S404	N	N	10	70	30	70	N	20	20	50	N	10	N
S406	N	N	7	50	20	70	N	<20	20	50	N	10	N
S412	N	N	7	70	30	70	N	<20	15	50	N	15	N
S414	N	N	7	70	30	50	N	20	15	50	N	10	N
S415	N	N	10	70	50	100	N	20	20	30	N	15	N
S418	N	N	7	70	30	70	N	20	20	30	N	10	N
S420	N	N	20	70	50	100	N	20	30	30	N	10	N
S422	N	N	15	70	50	100	N	20	20	30	N	10	N
S423	N	N	10	100	70	100	<5	20	30	50	N	20	N
S426	N	N	5	30	20	30	N	<20	10	70	N	7	N
S428	N	N	10	100	30	70	N	20	20	30	N	15	N
S431	N	N	10	70	50	100	N	20	15	50	N	15	N
S433	N	N	10	100	50	100	N	20	20	50	N	20	N
S436	N	N	10	70	50	100	N	20	15	70	N	20	N
S437	N	N	7	100	20	150	N	20	10	50	N	10	N
S440	N	N	5	50	20	70	N	20	7	30	N	7	N
S442	N	N	15	50	15	200	N	20	20	50	N	15	N
S445	N	N	7	50	20	100	N	<20	15	50	N	10	N
S446	N	N	10	70	30	100	N	<20	20	50	N	15	N
S447	N	N	10	70	50	100	N	<20	20	50	N	15	N
S449	N	N	10	70	30	100	N	20	20	50	N	15	N
S452	N	N	10	70	50	100	5	20	30	50	N	15	N
S458	N	N	15	70	50	70	N	<20	20	30	N	15	N
S461	N	N	10	50	30	70	N	<20	20	15	N	10	N
S463	N	N	20	70	30	100	N	20	30	20	N	10	N
S465	N	N	20	70	50	100	N	<20	30	30	N	15	N
S470	N	N	7	70	50	50	N	20	20	50	N	15	N

Cohutla Soils--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
S351	<100	100	N	70	N	700	N	N	--	110	--
S354	<100	100	N	20	N	500	N	N	--	15	--
S356	<100	100	N	20	N	1,000	N	N	--	50	--
S360	100	100	N	70	N	500	N	N	--	90	--
S363	100	100	N	70	N	300	N	N	--	95	--
S365	100	100	N	20	N	1,000	N	N	--	100	--
S369	100	100	N	100	N	700	N	N	--	110	--
S372	<100	100	N	50	N	500	N	N	--	75	--
S376	<100	100	N	30	N	700	N	N	--	80	--
S379	<100	100	N	70	N	300	N	N	--	110	--
S384	<100	70	N	20	N	300	N	N	--	65	--
S386	100	100	N	30	N	1,000	N	N	--	80	--
S388	100	100	N	50	N	200	N	N	--	45	--
S390	100	100	N	30	N	500	N	N	--	45	--
S393	100	100	N	20	N	1,000	N	N	--	10	--
S398	<100	100	N	30	N	700	N	N	--	60	--
S400	100	100	N	30	N	700	N	N	--	80	--
S402	<100	70	N	30	N	300	N	N	--	80	--
S404	100	100	N	30	N	300	N	N	--	60	--
S405	<100	100	N	30	N	1,000	N	N	--	40	--
S412	<100	100	N	30	N	500	N	N	--	60	--
S414	100	100	N	20	N	1,000	N	N	--	70	--
S415	<100	100	N	50	N	500	N	N	--	65	--
S418	<100	100	N	30	N	700	N	N	--	60	--
S420	<100	100	N	70	N	300	N	N	--	80	--
S422	<100	70	N	50	N	300	N	N	--	110	--
S423	100	100	N	70	N	700	N	N	--	50	--
S426	<100	70	N	30	N	500	N	N	--	35	--
S428	<100	70	N	70	N	1,000	N	N	--	30	--
S431	<100	100	N	50	N	500	N	N	--	30	--
S433	100	100	N	70	N	500	N	N	--	50	--
S436	100	100	N	50	N	300	N	N	--	50	--
S437	<100	100	N	50	N	700	N	N	--	25	--
S440	<100	100	--	--	--	--	--	N	--	15	--
S442	<100	100	N	70	N	1,000	N	N	--	100	--
S445	<100	100	N	20	N	500	N	N	--	45	--
S446	100	100	N	30	N	1,000	N	N	--	65	--
S447	100	150	N	30	N	500	N	N	--	85	--
S449	<100	100	N	50	N	1,000	N	N	--	60	--
S452	100	150	N	30	N	300	N	N	--	65	--
S458	100	100	N	50	N	500	N	N	--	130	--
S461	<100	70	N	30	N	300	N	N	--	30	--
S463	100	100	N	70	N	300	N	N	--	90	--
S465	<100	100	N	50	N	300	N	N	--	70	--
S470	<100	100	N	50	N	300	N	N	--	65	--

Cohutta Soils--continued

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
S471	17,250	59,820	7.0	.70	.07	.5	1,500	N	N	N	100	500	3.0
S473	18,070	59,950	5.0	.50	.07	.3	300	N	N	N	30	700	2.0
S476	18,550	59,910	5.0	.70	.05	.3	300	N	N	N	15	700	2.0
S479	18,980	60,150	3.0	.50	.07	.3	1,000	N	N	N	20	500	2.0
S483	19,180	61,030	3.0	.50	.07	.3	300	N	N	N	30	300	1.5
S486	18,940	61,440	7.0	.50	.07	.5	1,000	N	N	N	20	700	2.0
S490	18,430	61,110	5.0	.70	.05	.5	200	N	N	N	20	700	2.0
S492	18,460	60,800	3.0	.70	.07	.3	700	N	N	N	50	500	2.0
S494	17,850	60,530	5.0	.50	<.05	.5	300	N	N	N	50	700	2.0
S496	17,380	60,390	7.0	1.00	<.05	.5	1,000	N	N	N	50	1,500	3.0
S500	14,910	68,020	3.0	.50	.10	.3	2,000	N	N	N	150	700	5.0
S503	15,380	67,700	5.0	.30	.05	.7	500	N	N	N	150	500	1.5
S508	15,960	67,660	3.0	.30	.07	.5	200	N	N	N	100	500	2.0
T001	20,570	64,890	7.0	.70	.07	.7	700	N	N	N	100	700	2.0
T002	18,880	63,650	2.0	.20	.05	.5	500	N	N	N	70	500	1.0
T003	19,730	63,430	2.0	.30	.07	.3	1,000	N	N	N	70	500	2.0
T007	19,160	62,110	3.0	.50	<.05	.5	300	.5	N	N	70	500	2.0
T009	20,010	64,700	7.0	.70	<.05	.5	300	N	N	N	100	500	2.0
T010	18,310	64,970	5.0	.50	.15	1.0	3,000	N	N	N	200	700	3.0
T011	19,380	65,290	5.0	.50	.10	.5	500	N	N	N	100	700	1.0
T013	21,450	68,070	5.0	.50	.20	.7	700	N	N	N	100	700	2.0
T016	22,440	68,320	7.0	.70	.20	.7	1,000	N	N	N	100	700	2.0
T017	22,280	69,430	7.0	.70	.15	.7	500	.5	N	N	150	500	2.0
T019	20,930	69,150	10.0	.50	.05	.7	200	N	N	N	150	500	2.0
T022	21,210	71,650	7.0	.30	.05	.7	700	N	N	N	200	700	3.0
T023	20,350	71,960	7.0	.50	.10	.5	1,500	N	N	N	150	700	3.0
T024	20,390	71,120	7.0	.30	.07	1.0	300	N	N	N	150	700	2.0
T025	21,190	70,770	5.0	.50	.05	.7	200	N	N	N	100	700	3.0
T027	21,260	65,920	7.0	.70	.07	.5	2,000	N	N	N	150	1,000	2.0
T029	21,470	66,770	7.0	.50	.07	.7	500	N	N	N	100	700	1.5
T032	21,070	67,240	5.0	.50	1.00	.3	5,000	N	N	N	100	1,000	3.0
T034	21,780	70,530	5.0	.30	.05	.3	500	N	N	N	50	500	2.0
T035	22,380	70,840	7.0	.30	<.05	.5	700	N	N	N	150	500	3.0
T036	22,690	71,220	5.0	.30	<.05	.7	200	N	N	N	200	500	2.0
T037	22,610	71,870	10.0	.70	.07	.7	1,500	N	N	N	200	700	2.0
T039	21,980	71,630	7.0	.70	<.05	.5	300	N	N	N	200	700	2.0
T040	21,800	71,320	7.0	.70	.05	.5	1,000	N	N	N	200	700	3.0
T042	17,380	62,040	5.0	.50	.05	.5	700	N	N	N	70	500	1.5
T043	17,540	62,590	3.0	.50	.30	.3	2,000	N	N	N	100	700	2.0
T044	17,770	62,900	7.0	.70	.20	.5	5,000	N	N	N	100	700	2.0
T045	18,040	63,140	7.0	.50	<.05	.3	200	N	N	N	150	500	3.0
T046	18,530	63,240	5.0	.30	<.05	.7	300	N	N	N	150	300	2.0
T047	18,220	62,660	5.0	.70	<.05	.5	300	N	N	N	100	700	2.0
T048	18,460	62,030	3.0	.50	.05	.5	300	N	N	N	100	500	1.0
T051	18,030	61,510	7.0	.70	.05	.5	500	N	N	N	100	700	3.0

Cohutta Soils--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
S471	N	N	15	70	70	150	N	<20	30	50	N	15	N
S473	N	N	7	70	50	70	N	<20	20	50	N	10	N
S476	N	N	7	70	10	70	N	<20	15	50	N	10	N
S479	N	N	7	70	10	70	N	<20	15	30	N	10	N
S483	N	N	5	50	15	70	N	<20	10	50	N	10	N
S486	N	N	10	30	30	100	N	20	10	50	N	10	N
S490	N	N	7	70	30	100	N	20	30	30	N	15	N
S492	N	N	7	50	20	50	N	<20	20	20	N	10	N
S494	N	N	5	70	20	100	N	20	20	30	N	15	N
S496	N	N	10	100	50	100	N	20	50	50	N	20	N
S500	N	N	20	70	30	70	N	<20	20	50	N	10	N
S503	N	N	7	70	50	70	N	20	30	30	N	10	N
S508	N	N	10	70	30	70	N	20	15	30	N	7	N
T001	N	N	20	100	30	100	N	20	30	70	N	15	N
T002	N	N	7	100	7	70	N	20	10	30	N	7	N
T003	N	N	7	50	15	70	N	<20	10	50	N	10	N
T007	N	N	5	70	15	70	N	<20	10	70	N	10	N
T009	N	N	5	100	15	70	N	20	10	100	N	15	N
T010	N	N	15	100	20	100	N	20	20	100	N	20	N
T011	N	N	10	100	20	100	<5	<20	30	100	N	15	N
T013	N	N	15	100	20	100	N	20	30	70	N	20	N
T016	N	N	20	100	20	70	N	20	50	100	N	20	<10
T017	N	N	20	100	20	70	N	20	30	70	N	20	<10
T019	N	N	10	100	30	70	N	20	30	50	N	15	<10
T022	N	N	10	100	30	70	N	20	20	50	N	20	N
T023	N	N	20	150	20	100	N	20	30	50	N	15	N
T024	N	N	20	150	20	70	N	20	30	50	N	15	N
T025	N	N	10	150	20	100	N	20	20	70	N	20	N
T027	N	N	20	150	50	100	N	20	30	100	N	20	N
T029	N	N	15	150	20	70	N	20	50	50	N	15	N
T032	N	N	20	70	30	150	N	<20	30	70	N	10	N
T034	N	N	20	50	15	70	N	<20	30	50	N	10	N
T035	N	N	10	100	20	70	N	<20	20	50	N	15	N
T036	N	N	5	100	20	50	N	20	20	50	N	10	N
T037	N	N	50	150	30	100	N	<20	50	50	N	15	<10
T039	N	N	10	100	20	100	N	20	30	100	N	15	<10
T040	N	N	15	150	30	100	N	20	30	70	N	20	N
T042	N	N	5	150	15	70	N	<20	20	70	N	10	N
T043	N	N	10	70	20	50	N	<20	20	100	N	10	N
T044	N	N	50	100	50	150	N	20	50	70	N	15	N
T045	N	N	7	100	20	70	N	<20	20	100	N	15	N
T046	N	N	7	100	20	100	N	20	20	70	N	15	N
T047	N	N	7	150	20	100	N	<20	20	70	N	15	N
T048	N	N	7	70	10	70	<5	20	20	70	N	10	N
T051	N	N	7	100	30	100	N	20	20	100	N	15	N

Cohutta Soils--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
S471	100	100	N	50	N	500	N	N	--	110	--
S473	<100	100	N	50	N	500	N	N	--	65	--
S476	<100	70	N	30	N	300	N	N	--	50	--
S479	<100	100	N	30	N	100	N	N	--	85	--
S483	<100	100	N	20	N	500	N	N	--	35	--
S486	<100	100	N	30	N	700	N	N	--	60	--
S490	<100	100	N	50	N	700	N	N	--	60	--
S492	<100	100	N	30	N	300	N	N	--	65	--
S494	<100	100	N	30	N	500	N	N	--	35	--
S496	<100	100	N	70	N	300	N	N	--	90	--
S500	100	70	N	30	N	500	N	N	--	160	--
S503	<100	70	N	30	N	1,000	N	N	--	35	--
S508	<100	70	N	50	N	300	N	N	--	25	--
T001	100	150	N	50	N	500	N	--	10	80	.002
T002	100	70	N	30	N	500	N	--	10	40	N
T003	100	70	N	30	N	200	N	--	10	70	N
T007	100	70	N	20	N	200	N	--	10	35	N
T009	100	100	N	30	N	300	N	--	10	45	N
T010	100	100	N	50	N	500	N	--	10	65	N
T011	100	100	N	30	N	300	N	--	10	85	N
T013	150	100	N	50	N	300	N	--	10	95	N
T016	150	100	N	70	N	300	N	--	10	160	N
T017	150	100	N	100	N	200	N	--	10	100	N
T019	100	150	N	50	N	500	N	--	10	85	N
T022	100	150	N	70	N	500	N	--	10	80	N
T023	100	100	N	50	N	300	N	--	10	130	N
T024	100	100	N	70	N	500	N	--	10	90	N
T025	100	100	N	70	N	300	N	--	10	60	N
T027	150	100	N	70	N	500	N	--	10	120	N
T029	150	100	N	30	N	500	N	--	10	65	N
T032	200	70	N	70	200	200	N	--	10	250	N
T034	100	100	N	20	N	300	N	--	10	85	N
T035	100	150	N	50	N	500	N	--	10	45	N
T036	100	100	N	70	N	500	N	--	10	65	N
T037	100	150	N	50	N	500	N	--	10	100	.002
T039	100	150	N	50	N	300	N	--	10	70	N
T040	100	150	N	70	N	300	N	--	10	110	N
T042	100	150	N	30	N	300	N	--	10	70	N
T043	100	100	N	20	N	200	N	--	10	80	N
T044	100	100	N	50	N	500	N	--	10	80	<.002
T045	100	100	N	50	N	200	N	--	10	40	N
T046	100	100	N	30	N	300	N	--	10	45	N
T047	100	100	N	30	N	300	N	--	10	70	<.002
T048	100	150	N	30	N	300	N	--	10	75	N
T051	100	100	N	50	N	300	N	--	10	85	N

Cohutta Soils--continued

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
T052	17,800	60,860	7.0	.70	.20	.7	1,000	N	N	N	100	1,000	2.0
T053	17,540	61,280	7.0	1.00	.05	.5	700	N	N	N	50	500	5.0
T054	16,750	60,490	5.0	.70	.07	.5	1,000	N	N	N	70	500	2.0
T055	23,060	66,220	5.0	.50	.10	.5	>5,000	N	N	N	150	500	3.0
T056	23,210	66,750	3.0	.30	.10	.5	2,000	N	N	N	100	500	3.0
T057	23,460	67,330	5.0	.50	.07	.7	1,000	N	N	N	100	500	2.0
T058	23,860	67,520	5.0	.50	.05	.7	700	N	N	N	70	700	2.0
T059	24,480	67,290	5.0	.20	<.05	1.0	300	N	N	N	100	200	<1.0
T060	24,480	67,110	7.0	.70	.05	.7	200	N	N	N	150	700	2.0
T061	24,040	66,830	5.0	.30	<.05	1.0	500	N	N	N	50	500	1.5
T062	16,680	61,000	7.0	.50	.05	.7	700	N	N	N	100	500	2.0
T063	16,540	61,530	7.0	.70	.10	.7	1,000	N	N	N	70	500	3.0
T064	16,860	62,280	3.0	.30	.05	.7	150	N	N	N	100	500	1.5
T066	16,900	62,690	7.0	.70	<.05	.5	700	N	N	N	50	500	3.0
T068	17,180	63,250	5.0	.50	.10	.7	700	N	N	N	100	700	2.0
T069	17,650	63,950	5.0	.50	<.05	.7	300	N	N	N	100	500	2.0
T071	18,040	63,620	5.0	.30	<.05	.5	500	N	N	N	100	700	3.0
T072	18,310	64,250	5.0	.30	.05	.5	300	N	N	N	150	500	3.0
T073	16,920	64,120	5.0	.50	.05	.7	300	N	N	N	100	500	2.0

Cohutta Soils--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
T052	N	N	10	70	15	100	N	20	20	100	N	15	N
T053	N	N	10	100	30	150	N	20	20	70	N	20	N
T054	N	N	10	70	20	100	N	20	30	100	N	10	N
T055	N	N	20	100	30	100	N	<20	50	70	N	15	N
T056	N	N	10	50	20	100	N	<20	20	70	N	10	N
T057	N	N	10	70	15	70	N	20	20	70	N	15	N
T058	N	N	15	100	15	70	N	20	30	50	N	10	N
T059	N	N	N	50	20	50	N	30	7	70	N	7	N
T060	N	N	5	100	20	50	N	20	15	70	N	15	N
T061	N	N	5	70	10	70	N	20	15	70	N	10	N
T062	N	N	7	100	30	100	N	20	15	70	N	10	N
T063	N	N	7	70	30	100	N	20	20	70	N	15	N
T064	N	N	5	100	10	100	N	<20	10	70	N	10	N
T066	N	N	15	100	50	100	N	<20	30	30	N	10	N
T068	N	N	10	100	10	100	N	20	15	70	N	10	N
T069	N	N	7	150	20	70	N	20	20	70	N	10	N
T071	N	N	7	100	20	100	N	20	15	70	N	15	N
T072	N	N	7	70	20	70	N	20	15	70	N	15	N
T073	N	N	15	100	15	100	N	20	20	50	N	10	N

Cohutta Soils--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
T052	100	150	N	20	N	200	N	--	10	110	N
T053	100	100	N	50	N	500	N	--	10	100	.006
T054	100	150	N	20	N	300	N	--	10	100	N
T055	100	100	N	50	N	300	N	--	10	140	N
T056	100	100	N	30	N	200	N	--	10	95	N
T057	100	100	N	30	N	300	N	--	10	60	N
T058	100	70	N	30	N	300	N	--	10	85	N
T059	100	100	N	20	N	700	N	--	10	20	N
T060	100	150	N	20	N	200	N	--	10	70	N
T061	<100	70	N	20	N	300	N	--	10	55	N
T062	100	100	N	30	N	500	N	--	10	85	N
T063	100	100	N	30	N	300	N	--	10	130	N
T064	100	100	N	30	N	300	N	--	10	45	N
T066	100	100	N	30	N	200	N	--	10	170	N
T068	100	70	N	30	N	500	N	--	10	75	N
T069	100	100	N	30	N	500	N	--	10	45	N
T071	100	100	N	30	N	300	N	--	10	45	.004
T072	100	100	N	30	N	300	N	--	10	65	N
T073	100	100	N	30	N	500	N	--	10	60	N

ROCK CHIP SAMPLES: SHALY, SLATY, SILTY FACIES -- G=Graphitic; P=Pyritic; *=Float Sample

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-U	S-BA	S-BE
AG045P	17,330	68,350	5.0	1.50	<.05	.5	500	N	N	N	200	1,000	5.0
AG046P	17,000	68,200	3.0	1.50	.05	.5	200	N	N	N	100	700	5.0
AG047	16,660	68,080	3.0	1.50	.10	.5	500	N	N	N	150	700	5.0
AG049	16,310	68,410	3.0	1.50	.05	.5	300	N	N	N	100	700	5.0
AG052	15,880	68,410	5.0	2.00	<.05	.5	700	N	N	N	150	700	5.0
AG053	15,490	68,480	3.0	1.00	.07	.3	500	N	N	N	150	1,000	5.0
AG055P	15,500	68,720	3.0	2.00	<.05	.5	150	N	N	N	100	1,000	5.0
AG069P	18,960	69,550	3.0	1.00	<.05	.5	200	N	N	N	150	500	3.0
AG070	19,410	69,540	5.0	1.50	<.05	.5	200	N	N	N	150	700	5.0
AG078	20,300	60,120	5.0	1.50	.07	.3	1,000	N	N	N	30	700	5.0
AG099	21,490	61,170	3.0	2.00	.05	.3	1,000	N	N	N	30	1,000	5.0
AG112	19,430	65,740	1.5	.15	<.05	.2	70	N	N	N	15	700	1.5
AG116*	18,850	65,600	5.0	2.00	<.05	.5	500	N	N	N	100	1,500	10.0
AG131G	20,490	67,620	5.0	1.00	<.05	.5	1,000	N	N	N	70	700	5.0
AG133	20,620	67,190	5.0	1.00	<.05	.5	500	N	N	N	70	700	5.0
AG135	20,160	67,950	7.0	2.00	.07	.5	1,000	N	N	N	150	700	7.0
AG139	19,220	68,350	5.0	1.50	.07	.5	200	N	N	N	100	1,000	7.0
AG140	13,750	68,830	5.0	1.50	<.05	.5	150	N	N	N	150	1,000	7.0
AG143*	20,730	66,710	2.0	1.50	<.05	.3	200	N	N	N	70	1,000	7.0
AG154	21,980	63,380	2.0	.20	.05	.5	500	N	N	N	30	500	2.0
AG155	22,020	63,080	3.0	.70	<.05	.3	300	N	N	N	70	1,000	7.0
H003	22,990	66,940	7.0	1.00	.05	.3	2,000	N	N	N	150	1,000	5.0
H022	23,350	68,040	7.0	1.00	.07	.5	1,500	N	N	N	200	1,000	5.0
J010	23,250	74,330	7.0	2.00	.30	.5	700	N	N	N	70	700	3.0
J012	22,860	74,410	7.0	2.00	.10	.5	200	N	N	N	150	700	3.0
J023	20,260	74,100	10.0	.50	N	.3	150	<.5	N	N	100	700	3.0
J023	21,270	72,310	5.0	1.00	.05	.5	500	N	N	N	150	700	5.0
J037P	25,170	70,970	10.0	1.00	.05	.5	300	<.5	N	N	100	700	3.0
J043	24,460	70,330	7.0	1.50	.07	.3	700	N	N	N	100	1,000	3.0
J047	25,260	74,470	5.0	1.50	.10	.5	500	N	N	N	100	700	5.0
J056	22,340	72,090	10.0	1.50	.07	.3	200	N	N	N	100	1,000	3.0
J062	21,930	72,920	7.0	1.00	<.05	.5	500	N	N	N	150	700	2.0
J073G	26,110	68,690	5.0	1.00	N	.5	1,000	N	N	N	70	1,000	5.0
J030	24,930	72,450	5.0	1.50	.07	.5	700	N	N	N	100	1,000	5.0
J155	21,740	74,070	7.0	1.00	<.05	.5	1,500	N	N	N	100	1,000	2.0
J136P	21,420	73,500	5.0	1.50	.05	.5	700	N	N	N	150	700	2.0
J137P	20,660	73,920	5.0	.70	<.05	.5	200	N	N	N	100	700	2.0
J145	19,970	72,670	10.0	1.00	.10	.5	700	N	N	N	150	1,000	3.0
J150	20,030	73,500	5.0	1.00	<.05	.5	500	N	N	N	200	700	5.0
J177	27,280	66,720	5.0	1.50	.50	.5	1,000	N	N	N	10	500	3.0
J191	23,850	68,560	5.0	1.00	.07	.3	300	N	N	N	150	1,000	3.0
J214	18,900	70,210	5.0	1.00	.05	.5	300	N	N	N	200	1,000	5.0
J216P	19,220	70,500	5.0	1.00	.07	.5	200	N	N	N	200	500	3.0
J219P	19,760	71,200	5.0	1.50	.07	.5	200	N	N	N	200	700	3.0
J231	19,950	70,720	7.0	1.50	.10	.5	1,000	N	N	N	200	700	5.0

ROCK CHIP SAMPLES: SHALY, SLATY, SILTY FACIES -- G=Graphitic; P=Pyritic; *=Float Sample

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
AG045P	N	N	7	100	50	100	N	N	5	10	N	30	N
AG046P	N	N	N	100	10	70	N	N	20	N	N	20	N
AG047	N	N	5	100	30	70	N	N	10	10	N	20	N
AG049	N	N	N	100	10	100	N	N	7	N	N	20	N
AG052	N	N	5	100	30	70	N	N	10	N	N	20	N
AG053	N	N	5	70	50	70	N	N	20	50	N	15	N
AG055P	N	N	7	100	20	100	15	N	20	15	N	20	N
AG069P	N	N	10	70	70	50	N	N	20	10	N	15	N
AG070	N	N	7	100	50	50	N	N	10	10	N	20	N
AG078	N	N	15	70	50	30	N	N	20	15	N	15	N
AG099	N	N	10	70	30	100	15	N	20	20	N	20	N
AG112	N	N	N	10	7	N	7	N	10	20	N	N	N
AG116*	N	N	20	100	70	100	N	N	50	20	N	30	N
AG131G	N	N	20	50	50	30	N	N	50	15	N	20	N
AG133	N	N	7	70	30	50	N	N	10	20	N	20	N
AG135	N	N	50	100	70	100	N	N	50	15	N	20	N
AG139	N	N	30	100	70	100	10	N	50	N	N	20	N
AG140	N	N	10	100	50	100	N	N	10	N	N	20	N
AG143*	N	N	N	100	10	70	5	N	10	20	N	20	N
AG154	N	N	7	50	30	N	N	N	15	N	N	7	N
AG155	N	N	5	50	100	70	N	N	7	N	N	15	N
H003	N	N	15	100	50	70	N	20	20	50	N	20	N
H022	N	N	20	100	50	100	N	20	30	20	N	20	N
J010	N	N	15	200	50	70	N	<20	20	20	N	20	N
J012	N	N	10	300	30	50	N	<20	20	15	N	20	N
J023	N	N	10	150	70	100	N	20	15	20	N	20	N
J028	N	N	15	100	50	70	N	<20	50	10	N	20	N
J037P	N	N	15	70	50	100	N	<20	20	15	N	20	N
J043	N	N	20	100	50	100	N	<20	50	15	N	20	N
J047	N	N	15	150	30	70	5	20	30	20	N	20	N
J056	N	N	15	150	50	70	N	<20	20	20	N	20	N
J062	N	N	15	100	70	100	5	<20	50	30	N	20	N
J073G	N	N	10	100	70	70	N	<20	15	50	N	20	N
J090	N	N	7	100	20	70	N	<20	10	20	N	20	N
J135	N	N	50	100	50	50	N	20	50	20	N	20	N
J136P	N	N	15	100	30	50	N	20	20	10	N	20	N
J137P	N	N	7	100	30	100	N	<20	15	10	N	20	N
J145	N	N	20	150	50	100	N	<20	50	20	N	20	N
J150	N	N	10	100	20	100	N	20	15	20	N	20	N
J177	N	N	15	70	50	30	N	20	20	30	N	15	N
J191	N	N	7	100	20	50	N	20	10	20	N	20	N
J214	N	N	10	100	50	150	N	20	15	30	N	20	N
J216P	N	N	10	70	10	100	N	20	15	30	N	15	N
J219P	N	N	5	100	<5	100	N	20	10	20	N	20	N
J231	N	N	10	150	10	150	N	20	30	15	N	20	N

ROCK CHIP SAMPLES: SHALY, SLATY, SILTY FACIES -- G=Graphitic; P=Pyritic; *=Float Sample

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
AG045P	100	200	N	70	N	300	N	N	--	70	--
AG046P	100	150	N	50	N	200	N	N	--	85	--
AG047	100	150	N	50	N	200	N	N	--	85	--
AG049	100	150	N	70	N	200	N	N	--	60	--
AG052	100	200	N	50	N	200	N	N	--	90	--
AG053	150	100	N	50	N	100	N	N	--	90	--
AG055P	N	200	N	50	N	150	N	N	--	70	--
AG069P	100	100	N	30	N	200	N	N	--	70	--
AG070	150	150	N	50	N	200	N	N	--	80	--
AG076	N	150	N	20	N	150	N	N	--	100	--
AG099	N	150	N	30	N	100	N	N	--	120	--
AG112	N	20	N	N	N	300	N	N	--	45	--
AG116*	N	200	N	70	N	200	N	N	--	75	--
AG131G	100	150	N	50	N	300	N	N	--	85	--
AG133	100	150	N	50	N	300	N	N	--	55	--
AG135	100	200	N	70	300	150	N	N	--	120	--
AG139	100	150	50	50	N	200	N	N	--	150	--
AG140	N	200	N	70	N	200	N	N	--	70	--
AG143*	100	150	N	30	N	200	N	N	--	45	--
AG154	100	100	N	15	N	200	N	N	--	45	--
AG155	N	150	N	30	N	100	N	N	--	25	--
H003	100	150	N	70	N	200	N	N	--	60	--
H022	150	150	N	70	N	200	N	N	--	120	--
J010	200	150	N	100	N	200	N	N	--	100	--
J012	150	200	N	100	N	200	N	N	--	110	--
J023	100	100	N	70	N	300	N	N	--	60	--
J026	150	100	N	70	N	300	N	N	--	130	--
J037P	150	100	N	100	N	300	N	N	--	80	--
J043	150	150	N	100	N	200	N	N	--	120	--
J047	150	150	N	100	N	200	N	N	--	140	--
J056	150	150	N	70	N	150	N	N	--	120	--
J062	150	150	N	100	N	500	N	N	--	85	--
J073G	100	100	N	30	N	150	N	N	--	50	--
J080	150	100	N	50	N	200	N	N	--	110	--
J135	150	100	N	70	N	300	N	N	--	130	--
J136P	200	150	N	70	N	300	N	N	--	120	--
J137P	150	100	N	50	N	100	N	N	--	75	--
J145	150	150	N	70	N	200	N	N	--	130	--
J150	200	150	N	70	N	200	N	N	--	110	--
J177	200	70	N	20	N	300	N	N	--	110	--
J191	100	100	N	50	N	300	N	N	--	85	--
J214	200	100	N	100	N	N	N	N	--	55	--
J216P	150	70	N	50	N	300	N	N	--	35	--
J219P	150	100	N	100	N	300	N	N	--	50	--
J231	150	100	N	70	N	200	N	N	--	110	--

ROCK CHIP SAMPLES: SHALY, SLATY, SILTY FACIES -- G=Graphitic; P=Pyritic; * =Float Sample--continued

sample	X-COORD.	Y-COORD.	S-FEZ	S-MG%	S-CAZ	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
J233	19,390	69,570	5.0	1.00	.07	.5	300	N	N	N	200	1,000	5.0
J426G	21,190	--	7.0	1.00	.05	.5	500	N	N	N	500	1,500	2.0
J446	21,030	71,840	5.0	1.00	.05	.3	1,000	N	N	N	100	1,000	2.0
J451	20,730	71,240	7.0	.70	.05	.5	500	N	200	N	300	700	3.0
J466	22,000	70,770	5.0	1.00	.05	.5	200	N	N	N	500	700	3.0
J501	17,460	64,000	7.0	1.50	.15	.3	1,000	N	N	N	150	1,000	5.0
K006	25,360	78,520	7.0	1.50	.30	.5	700	N	N	N	100	500	2.0
K007	26,120	78,340	5.0	1.50	.10	.5	200	N	N	N	100	700	3.0
K014G	26,440	72,890	7.0	2.00	<.05	.7	300	N	N	N	500	1,000	3.0
K019	26,310	74,680	7.0	1.50	<.05	.5	500	N	N	N	200	1,000	5.0
K029	20,290	74,520	7.0	.50	.05	.7	20	N	N	N	300	1,000	2.0
K032	19,860	74,570	7.0	2.00	N	.7	150	N	N	N	200	700	2.0
K037	19,070	74,190	5.0	.70	N	.7	20	N	700	N	200	1,000	3.0
K046	24,080	76,050	7.0	2.00	.10	.5	500	N	N	N	150	700	3.0
K050G	23,320	76,900	5.0	1.50	.05	.5	700	N	N	N	100	700	5.0
K056P	22,290	74,660	5.0	.30	<.05	.5	50	N	N	N	150	700	5.0
K059G	23,120	75,920	3.0	.50	N	.5	50	N	N	N	100	1,000	3.0
K081G	25,720	74,060	5.0	1.50	<.05	.3	200	N	N	N	70	1,500	3.0
K082	25,560	73,300	5.0	.70	.10	.3	500	1.0	N	N	50	700	3.0
K094	25,590	71,210	3.0	1.00	<.05	.5	300	N	N	N	100	1,000	3.0
K104	24,390	70,880	5.0	2.00	.10	.5	1,000	N	N	N	100	700	2.0
K119	24,940	73,910	7.0	2.00	.10	.5	300	N	N	N	150	1,000	3.0
K130	25,540	72,410	5.0	1.50	.05	.5	700	N	N	N	150	700	3.0
K143	22,820	73,710	5.0	1.00	.05	.5	300	N	N	N	100	1,000	5.0
K163	27,230	67,850	5.0	.70	<.05	.3	300	N	N	N	50	1,500	3.0
S148G	26,240	72,250	7.0	1.50	<.05	.5	500	N	N	N	300	1,000	3.0
S154	15,140	63,460	10.0	1.50	.10	.7	200	N	N	N	50	2,000	3.0
S170	15,890	64,930	10.0	1.50	.07	.3	500	N	N	N	50	1,500	5.0
S174	14,380	68,510	10.0	2.00	<.05	.5	200	N	N	N	100	1,000	5.0
S180	14,960	68,690	3.0	1.00	.10	.5	150	1.0	N	N	70	1,000	5.0
S186	14,340	67,700	7.0	1.50	.05	.5	300	N	N	N	150	1,000	5.0
S199	15,670	62,070	10.0	1.50	.20	.5	1,000	N	N	N	20	1,500	3.0
S206	14,800	61,680	15.0	1.50	N	.5	200	N	N	N	20	2,000	5.0
S209P	15,240	65,440	10.0	1.50	.05	.5	700	N	N	N	200	1,500	3.0
S213	15,660	66,040	10.0	1.00	<.05	.5	200	N	N	N	200	2,000	5.0
S219P	15,680	66,910	7.0	1.50	.07	.3	300	N	N	N	150	1,000	5.0
S223P	16,160	67,420	7.0	1.50	.00	.3	700	N	N	N	200	1,000	3.0
S234	17,380	66,840	7.0	1.50	.20	.5	700	N	N	N	30	700	3.0
S238	16,480	65,950	5.0	1.00	N	.5	100	N	N	N	150	2,000	5.0
S240	15,900	60,570	7.0	1.00	.07	.5	1,000	N	N	N	15	1,500	5.0
S242	16,100	61,050	5.0	1.50	.07	.5	1,000	N	N	N	20	1,500	5.0
S253P	15,210	64,720	5.0	1.00	.05	.5	200	N	N	N	150	1,000	5.0
S263	17,570	65,480	5.0	1.50	.10	.3	300	N	N	N	50	1,500	5.0
S268	18,690	64,900	7.0	1.50	<.05	.5	1,000	N	N	N	50	1,500	5.0
S270	18,030	64,680	7.0	1.50	N	.5	1,000	N	N	N	100	1,500	5.0

ROCK CHIP SAMPLES: SHALY, SLATY, SILTY FACIES -- G=Graphitic; P=Pyritic; * =float Sample--continued

sample	S-OI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-ND	S-NI	S-PB	S-SB	S-SC	S-SN
J233	N	N	5	100	50	100	N	20	10	20	N	20	N
J426G	N	N	10	150	20	150	15	<20	20	70	N	30	<10
J446	N	N	7	100	30	100	N	<20	15	100	N	20	N
J451	N	N	20	100	30	150	N	<20	30	20	N	20	<10
J466	N	N	10	150	20	100	N	<20	20	30	N	20	N
J5J1	N	N	10	150	10	70	N	<20	20	50	N	20	10
K0J6	N	N	15	100	50	100	N	<20	30	30	N	20	N
K0J9	N	N	15	150	50	30	N	20	30	20	N	20	N
K014G	N	N	7	200	50	70	N	<20	10	20	N	30	N
K019	N	N	10	100	50	100	N	<20	50	20	N	20	N
K029	N	N	7	150	50	150	N	20	20	20	N	20	N
K032	N	N	10	100	30	100	N	20	20	15	N	20	N
K037	N	N	N	150	30	150	N	<20	10	10	N	30	N
K046	N	N	15	100	50	70	N	<20	30	30	N	20	N
K050G	N	N	10	100	<5	100	5	<20	15	20	N	20	N
K056P	N	N	5	70	50	70	N	<20	5	50	N	15	N
K059G	N	N	10	150	50	100	N	<20	70	50	N	20	N
K061G	N	N	10	200	50	150	N	<20	10	20	N	30	N
K082	N	N	50	70	100	70	N	<20	70	150	N	20	N
K094	N	N	5	150	30	150	N	<20	5	20	N	20	N
K104	N	N	20	100	50	50	N	20	20	15	N	20	N
K119	N	N	30	150	70	150	N	<20	50	20	N	30	N
K130	N	N	15	100	50	70	N	20	15	15	N	20	N
K143	N	N	7	100	50	30	N	20	5	50	N	20	N
K163	N	N	20	100	50	200	N	<20	30	50	N	30	N
S143G	N	N	5	150	20	70	N	20	10	20	N	20	N
S154	N	N	7	150	50	200	N	20	15	15	N	30	N
S170	N	N	50	100	70	150	N	<20	70	20	N	20	N
S174	N	N	20	150	100	150	N	20	30	50	N	30	N
S180	N	N	<5	100	10	150	7	20	20	20	N	20	N
S186	N	N	7	100	10	150	N	20	10	10	N	20	N
S199	N	N	15	150	50	100	N	20	30	15	N	20	N
S206	N	N	7	200	50	150	N	20	20	30	N	20	N
S209P	N	N	10	150	70	70	N	20	20	20	N	20	N
S213	N	N	10	150	100	150	5	20	30	100	N	30	N
S219P	N	N	5	100	20	100	5	20	5	15	N	20	N
S223P	N	N	7	100	20	150	N	<20	20	15	N	30	N
S234	N	N	15	100	20	50	N	20	15	15	N	15	N
S238	N	N	N	100	70	70	<5	20	5	20	N	30	N
S240	N	N	30	100	50	150	N	20	20	50	N	20	N
S242	N	N	10	100	70	100	N	20	20	30	N	20	N
S253P	N	N	5	100	30	70	N	20	<5	15	N	20	N
S263	N	N	7	100	<5	50	N	20	15	10	N	20	N
S268	N	N	10	100	30	150	N	20	30	30	N	20	N
S270	N	N	20	150	30	150	N	20	70	20	N	20	N

ROCK CHIP SAMPLES: SHALY, SLATY, SILTY FACIES -- G=Graphitic; P=Pyritic; *=Float Sample--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
J233	150	100	N	100	N	300	N	N	--	50	--
J426G	200	100	N	100	N	100	N	--	--	95	N
J446	150	100	N	30	N	150	N	--	--	110	.006
J451	150	100	N	50	N	200	N	--	--	110	.004
J466	150	100	N	50	N	150	N	--	--	85	N
J501	100	100	N	50	N	100	N	--	--	160	N
K006	200	150	N	70	N	300	N	N	--	110	--
K009	150	100	N	50	N	500	N	N	--	100	--
K014	200	150	N	70	N	200	N	N	--	100	--
K019	150	200	N	100	N	200	N	N	--	140	--
K022	100	150	N	100	N	500	N	N	--	20	--
K032	100	150	N	100	N	500	N	N	--	110	--
K037	100	200	N	70	N	300	N	N	--	30	--
K046	100	150	N	100	N	500	N	N	--	140	--
K050G	150	150	N	70	N	200	N	N	--	110	--
K056P	100	100	N	70	N	300	N	N	--	30	--
K059G	150	150	N	70	N	150	N	N	--	25	--
K081G	150	100	N	70	N	150	N	N	--	95	--
K082	100	100	N	70	<200	200	N	N	--	150	--
K094	150	100	N	70	N	100	N	N	--	75	--
K104	150	100	N	70	200	200	N	N	--	190	--
K119	150	150	N	100	<200	150	N	N	--	120	--
K130	200	150	N	100	N	300	N	N	--	90	--
K143	100	100	N	50	N	150	N	N	--	95	--
K163	150	150	N	70	N	100	N	N	--	75	--
S148G	150	150	N	70	N	200	N	N	--	90	--
S154	100	100	N	50	N	1,000	N	N	--	55	--
S170	100	100	N	50	N	300	N	N	--	120	--
S174	100	100	N	100	N	300	N	N	--	30	--
S180	150	100	N	50	N	200	N	N	--	20	--
S186	100	100	N	50	N	200	N	N	--	100	--
S199	150	100	N	50	N	700	N	N	--	110	--
S206	100	100	N	50	N	300	N	N	--	65	--
S209P	150	100	N	50	N	300	N	N	--	90	--
S213	100	100	N	70	N	300	N	N	--	50	--
S219P	200	50	N	70	N	300	N	N	--	90	--
S223P	1,000	100	N	200	N	700	N	N	--	90	--
S234	150	70	N	50	N	200	N	N	--	160	--
S238	100	100	N	50	N	200	N	N	--	N	--
S240	100	70	N	50	N	300	N	N	--	25	--
S242	150	100	N	50	N	200	N	N	--	50	--
S253P	150	70	N	50	N	200	N	N	--	55	--
S263	100	100	N	70	N	150	N	N	--	110	--
S268	100	100	N	50	N	150	N	N	--	130	--
S270	100	100	N	70	N	150	N	N	--	140	--

ROCK CHIP SAMPLES: SHALY, SLATY, SILTY FACIES -- G=Graphitic; P=Pyritic; *=Float Sample--continued

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
S286	14,910	67,280	10.0	.50	N	.3	50	N	N	N	300	1,000	7.0
S286P	15,270	66,680	7.0	.50	N	.3	30	N	N	N	200	1,000	5.0
S290P	15,260	66,130	7.0	1.00	N	.5	500	N	N	N	200	1,000	5.0
S293P	17,650	68,490	10.0	1.50	.07	.3	300	N	N	N	300	700	5.0
S305	13,660	67,370	5.0	1.00	.05	.5	100	N	N	N	150	1,500	5.0
S312P	13,660	68,490	2.0	1.00	.07	.5	500	N	N	N	200	1,000	3.0
S324	16,100	73,650	2.0	1.00	1.00	.2	1,500	N	N	N	70	300	2.0
S331	16,860	73,700	5.0	2.00	.30	.3	700	N	N	N	100	1,000	5.0
S333	16,290	73,870	7.0	5.00	2.00	.3	500	N	N	N	100	1,000	5.0
S361	21,530	62,720	5.0	2.00	<.05	.5	2,000	N	N	N	150	1,500	5.0
S389*	19,790	61,720	5.0	.50	<.05	.3	500	N	N	N	70	1,500	7.0
S392	19,560	61,070	7.0	.70	<.05	.7	300	N	N	N	30	1,500	5.0
S407	19,660	58,970	5.0	1.50	.05	.5	500	N	N	N	20	1,000	5.0
S409	19,860	59,480	3.0	.70	<.05	.3	500	N	N	N	30	1,000	5.0
S416	21,130	59,240	7.0	2.00	.05	.5	500	N	N	N	50	2,000	5.0
S419	21,330	60,460	5.0	.70	<.05	.3	200	N	N	N	30	1,500	5.0
S421	22,000	61,000	7.0	1.50	<.05	.5	700	N	N	N	30	1,000	5.0
S429GP	13,900	67,060	3.0	1.00	<.05	.3	200	N	N	N	100	1,500	5.0
S432	18,340	66,890	5.0	1.50	<.05	.7	300	N	N	N	150	1,500	5.0
S435	18,260	66,280	5.0	1.50	.07	.5	300	N	N	N	100	1,000	5.0
S441	19,600	66,500	7.0	3.00	.05	.5	700	N	N	N	100	1,500	7.0
S451	21,540	65,540	3.0	2.00	.07	.3	200	N	N	N	150	700	5.0
S460	22,260	65,540	2.0	.15	.07	.7	700	N	N	N	50	300	1.5
S462	22,190	65,070	3.0	1.00	<.05	.7	300	N	N	N	50	1,000	3.0
S467	22,290	63,950	5.0	2.00	.15	.5	700	N	N	N	100	700	3.0
S495	17,560	60,500	5.0	2.00	<.05	.5	1,000	N	N	N	50	1,000	5.0
S499P	15,060	67,800	3.0	2.00	<.05	.3	200	N	N	N	100	700	5.0
T014	21,820	68,230	7.0	1.50	.15	.5	500	N	N	N	150	700	2.0

ROCK CHIP SAMPLES: SHALY, SLATY, SILTY FACIES -- G=Graphitic; P=Pyritic; *=float Sample--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
S236	N	N	5	100	50	100	N	20	20	50	N	30	N
S233P	N	N	5	100	50	100	N	20	15	20	N	20	N
S290P	N	N	7	100	50	150	N	20	20	20	N	20	N
S243P	N	N	50	100	70	70	N	20	50	15	N	20	N
S305	N	N	<5	150	30	100	N	20	5	20	N	30	N
S312P	N	N	<5	100	20	70	<5	20	5	15	N	20	N
S324	N	N	20	20	30	N	N	N	30	15	N	7	N
S331	N	N	20	100	50	50	N	N	50	20	N	15	N
S333	N	N	20	100	50	70	N	N	70	20	N	20	N
S331	N	N	15	100	150	100	N	N	20	15	N	20	N
S389*	N	N	5	100	100	20	7	N	30	70	N	20	N
S342	N	N	15	150	70	50	N	N	50	30	N	30	N
S407	N	N	20	70	50	20	N	N	30	20	N	20	N
S409	N	N	20	70	50	30	N	N	50	10	N	20	N
S416	N	N	10	150	30	50	N	<20	30	30	N	30	N
S419	N	N	N	50	50	N	15	N	20	15	N	15	N
S421	N	N	20	100	70	100	N	N	30	15	N	20	N
S429GP	N	N	5	100	50	150	5	N	15	200	N	20	N
S432	N	N	5	100	100	100	N	<20	30	15	N	20	N
S435	N	N	N	100	20	70	N	N	5	20	N	20	N
S441	N	N	30	100	20	100	5	<20	70	15	N	30	10
S451	N	N	N	70	20	N	N	N	5	20	N	20	N
S460	N	N	5	50	15	50	N	<20	10	N	N	10	N
S462	N	N	N	100	50	N	N	N	5	10	N	15	N
S467	N	N	30	70	70	100	N	N	50	15	N	15	N
S495	N	N	20	70	100	50	5	N	50	30	N	20	N
S499P	N	N	5	70	15	100	N	N	10	70	N	15	N
T014	N	N	7	100	15	100	N	20	10	20	N	20	N

ROCK CHIP SAMPLES: SHALY, SLATY, SILTY FACIES -- G=Graphitic; P=Pyritic; *=Float Sample--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
S286	100	100	N	70	N	200	N	N	--	40	--
S286P	100	100	N	70	N	200	N	N	--	<5	--
S290P	100	100	N	70	N	200	N	N	--	90	--
S293P	100	50	N	70	N	300	N	N	--	140	--
S305	100	70	N	50	N	300	N	N	--	35	--
S312P	200	100	N	70	N	200	N	N	--	60	--
S324	100	70	N	30	N	200	N	N	--	60	--
S331	N	200	N	50	N	200	N	N	--	100	--
S333	150	200	N	50	N	200	N	N	--	110	--
S361	N	150	N	70	N	200	N	N	--	110	--
S339*	100	200	N	50	N	150	N	N	--	15	--
S392	150	300	N	70	N	200	N	N	--	120	--
S407	100	200	N	50	N	300	N	N	--	130	--
S409	N	200	N	50	N	200	N	N	--	100	--
S416	100	300	N	50	N	150	N	N	--	100	--
S419	N	150	N	30	N	200	N	N	--	20	--
S421	N	200	N	50	N	200	N	N	--	120	--
S429GP	N	200	N	70	N	200	N	N	--	35	--
S432	100	200	N	100	N	300	N	N	--	95	--
S435	100	200	N	30	N	300	N	N	--	70	--
S441	N	150	N	70	200	200	N	N	--	130	--
S451	N	200	N	30	N	200	N	N	--	70	--
S460	100	100	N	50	N	300	N	N	--	40	--
S462	100	150	N	20	N	200	N	N	--	30	--
S467	150	150	N	50	N	200	N	N	--	120	--
S495	100	150	N	30	N	200	N	N	--	90	--
S499P	N	150	N	50	N	200	N	N	--	85	--
T014	150	150	N	50	N	300	N	--	--	180	.004

ROCK CHIP SAMPLES: SANDY FACIES -- P=Pyritic; *=float Sample

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
AG076	20,470	59,870	2.0	.50	.15	.30	500	N	N	N	15	700	2.0
AG081	19,580	60,490	2.0	.50	.05	.50	200	N	N	N	20	1,000	2.0
AG083	20,520	58,710	3.0	1.50	.15	.30	500	N	N	N	15	1,000	2.0
AG093	21,860	61,920	3.0	.70	.05	.50	500	N	N	N	50	700	3.0
AG094	24,550	61,810	2.0	.70	.50	.30	700	N	N	N	15	500	1.0
AG096	21,260	61,280	2.0	.70	.10	.30	1,000	N	N	N	50	700	3.0
AG101	22,230	61,530	2.0	.50	.15	.50	500	N	N	N	15	500	2.0
AG103	22,520	61,700	2.0	.70	.30	.30	1,000	N	N	N	15	300	5.0
AG104	22,610	61,910	2.0	1.00	.20	.50	700	N	N	N	20	500	3.0
AG105	22,560	62,140	5.0	2.00	.20	.50	2,000	N	N	N	15	1,000	5.0
AG107	20,590	65,810	3.0	1.00	<.05	.50	300	N	N	N	50	700	5.0
AG109	20,170	65,670	1.5	.15	<.05	.30	300	N	N	N	30	500	2.0
AG113	19,290	65,800	1.0	.02	<.05	.20	200	N	N	N	50	700	N
AG125	19,760	68,720	1.5	.15	<.05	.70	500	N	N	N	50	500	3.0
AG126	19,950	68,470	1.5	.10	<.05	.50	200	N	N	N	30	500	1.5
AG145	20,590	66,130	3.0	.30	<.05	.50	70	N	N	N	30	700	5.0
AG146	20,950	65,500	1.5	.10	<.05	.70	500	N	N	N	20	200	1.0
AG148	21,200	64,730	1.5	.07	<.05	.30	500	N	N	N	20	200	1.0
AG151	21,290	63,930	3.0	.20	<.05	.70	3,000	N	N	N	50	500	3.0
HO31	24,710	68,130	3.0	.70	.10	.50	1,000	N	N	N	20	300	1.5
J006	22,520	75,450	5.0	.20	<.05	.50	700	N	N	N	100	500	2.0
J007	24,260	75,900	3.0	.30	.07	.50	1,000	N	N	N	100	500	2.0
J014	26,280	74,270	5.0	.50	.07	.50	1,500	N	N	N	100	500	2.0
J019	25,580	73,050	5.0	.70	.10	.50	1,000	N	N	N	70	700	2.0
J032	25,960	71,580	2.0	.20	.20	.30	1,000	N	N	N	100	300	1.5
J044	25,230	75,040	5.0	.70	.30	.30	700	N	N	N	100	300	2.0
J051	25,040	73,500	2.0	.30	.20	.30	1,000	N	N	N	100	300	2.0
J053	22,900	72,780	5.0	.20	.05	.30	1,000	N	N	N	100	300	2.0
J059	22,830	73,650	7.0	1.00	.07	.30	700	N	N	N	150	700	3.0
J066	25,580	68,620	2.0	.50	.05	.70	500	N	N	N	20	300	1.5
J070	24,860	68,420	7.0	1.00	.07	.30	300	N	N	N	100	700	5.0
J075	26,210	70,100	3.0	.70	<.05	.50	300	N	N	N	70	700	3.0
J078	26,040	71,040	1.0	.10	.20	.30	150	N	N	N	10	200	1.0
J081	24,310	72,720	3.0	.50	.15	.50	1,000	N	N	N	70	500	2.0
J086	24,470	72,160	3.0	.50	.20	.50	700	N	N	N	30	500	2.0
J092	24,500	69,470	5.0	1.00	.50	.50	1,000	N	N	N	100	700	3.0
J117	20,600	58,400	3.0	.70	.05	.30	300	N	N	N	15	1,000	2.0
J120	18,540	58,490	1.5	.30	.05	.30	150	N	N	N	<10	1,000	1.0
J131	26,150	73,400	2.0	.50	.20	.30	700	N	N	N	30	700	2.0
J139	25,600	67,870	2.0	.50	.07	.30	300	N	N	N	10	700	1.0
J140	25,940	67,680	3.0	.70	.15	.30	700	N	N	N	30	1,000	2.0
J141	20,660	72,420	2.0	.30	.07	.50	1,500	N	N	N	100	500	3.0
J146	20,470	72,980	3.0	.50	.15	.50	500	N	N	N	70	700	3.0
J158	23,630	66,800	1.5	1.00	.30	.30	500	N	N	N	10	700	2.0
J162	22,580	66,670	5.0	1.00	.10	.30	1,500	N	N	N	200	700	3.0

ROCK CHIP SAMPLES: SANDY FACIES -- P-Pyritic? Allot sample

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PH	S-SB	S-SC	S-SN
AG076	N	N	5	30	5	20	N	N	10	15	N	7	N
AG081	N	N	7	50	5	20	N	N	15	10	N	7	N
AG088	N	N	15	50	15	70	N	N	50	20	N	10	N
AG093	N	N	15	50	70	N	N	N	20	N	N	10	N
AG094	N	N	10	15	10	50	N	N	20	N	N	5	N
AG123	N	N	15	50	15	20	N	N	50	20	N	10	N
AG101	N	N	15	50	10	20	N	N	20	15	N	7	N
AG103	N	N	15	50	15	20	N	N	20	15	N	7	N
AG104	N	N	20	50	<5	20	N	N	20	15	N	10	N
AG105	N	N	50	70	15	50	N	N	50	15	N	15	N
AG107	N	N	N	70	50	N	N	N	5	10	N	15	N
AG109	N	N	5	20	10	20	N	N	10	N	N	5	N
AG113	N	N	N	15	N	N	N	N	7	N	N	N	N
AG125	N	N	7	50	15	50	N	N	15	15	N	10	N
AG126	N	N	5	50	10	50	N	N	10	30	N	10	N
AG145	N	N	N	30	30	30	5	N	15	15	N	15	N
AG146	N	N	N	20	7	20	N	N	10	N	N	7	N
AG148	N	N	10	20	20	20	N	N	20	N	N	5	N
AG151	N	N	20	50	50	N	N	N	10	10	N	15	N
HO31	N	N	10	50	20	20	N	20	10	<10	N	7	N
JO06	N	N	15	70	15	50	N	<20	50	<10	N	10	N
JO07	N	N	10	100	5	30	N	<20	30	<10	N	10	N
JO14	N	N	15	150	10	30	N	<20	30	<10	N	10	N
JO19	N	N	15	150	15	30	N	<20	50	20	N	15	N
JO32	N	N	10	20	20	20	N	<20	20	<10	N	7	N
JO44	N	N	15	50	30	20	N	<20	30	15	N	10	N
JO51	N	N	10	30	20	20	N	N	30	<10	N	7	N
JO58	N	N	10	30	10	20	N	<20	15	10	N	10	N
JO59	N	N	15	70	50	70	N	<20	20	20	N	20	N
JO66	N	N	7	20	7	30	N	20	5	20	N	10	N
JO70	N	N	15	100	20	50	N	N	30	15	N	20	N
JO75	N	N	5	100	15	50	N	<20	10	50	N	20	N
JO78	N	N	<5	15	<5	30	N	<20	5	20	N	5	N
JO81	N	N	10	50	10	50	N	<20	20	15	N	10	N
JO86	N	N	10	50	10	50	N	<20	30	15	N	10	N
JO92	N	N	15	100	50	70	N	<20	30	20	N	15	N
J117	N	N	10	30	20	30	N	<20	20	30	N	10	N
J120	N	N	<5	20	5	150	N	N	5	30	N	7	N
J131	N	N	15	30	<5	20	N	<20	15	10	N	10	N
J139	N	N	7	30	<5	30	N	<20	10	20	N	7	N
J140	N	N	15	50	20	30	N	<20	30	50	N	10	N
J141	N	N	15	50	5	50	N	<20	50	15	N	10	N
J146	N	N	15	70	10	70	N	N	30	10	N	15	N
J158	N	N	5	30	<5	50	N	<20	10	100	N	7	N
J162	N	N	10	100	20	30	N	20	30	15	N	15	N

ROCK CHIP SAMPLES: SANDY FACIES -- P=Pyritic; *=Float Sample

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-7R	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
AG076	100	70	N	10	N	150	N	N	--	55	--
AG081	100	70	N	10	N	200	N	N	--	60	--
AG088	100	150	N	20	N	200	N	N	--	80	--
AG093	100	100	N	20	N	200	N	N	--	55	--
AG094	100	50	N	15	N	150	N	N	--	70	--
AG098	150	100	N	20	N	200	N	N	--	80	--
AG101	100	70	N	20	N	300	N	N	--	70	--
AG103	150	70	N	15	N	200	N	N	--	90	--
AG104	150	100	N	30	N	500	N	N	--	75	--
AG105	150	200	N	50	N	200	N	N	--	90	--
AG107	100	150	N	20	N	200	N	N	--	60	--
AG109	N	70	N	10	N	200	N	N	--	55	--
AG113	N	30	N	N	N	200	N	N	--	N	--
AG125	N	70	N	15	N	500	N	N	--	30	--
AG126	N	70	N	100	N	300	N	N	--	15	--
AG145	100	70	N	50	N	300	N	N	--	30	--
AG146	N	70	N	15	N	300	N	N	--	30	--
AG148	N	50	N	10	N	200	N	N	--	15	--
AG151	100	100	N	20	N	300	N	N	--	15	--
HO31	150	70	N	30	N	300	N	N	--	25	--
J006	100	150	N	20	N	500	N	N	--	40	--
J007	200	100	N	50	N	300	N	N	--	60	--
J014	150	100	N	50	N	500	N	N	--	70	--
J019	200	100	N	50	N	300	N	N	--	70	--
J032	150	150	N	30	N	500	N	N	--	40	--
J044	100	70	N	50	N	200	N	N	--	70	--
J051	100	70	N	20	N	200	N	N	--	30	--
J058	100	100	N	30	N	300	N	N	--	35	--
J059	100	150	N	70	N	200	N	N	--	85	--
J066	100	70	N	15	N	500	N	N	--	25	--
J070	150	100	N	70	N	200	N	N	--	110	--
J075	150	100	N	30	N	200	N	N	--	45	--
J078	150	20	N	15	N	300	N	N	--	10	--
J081	150	70	N	50	N	500	N	N	--	55	--
J086	150	100	N	30	N	500	N	N	--	70	--
J092	200	100	N	70	N	200	N	N	--	110	--
J117	100	70	N	30	N	300	N	N	--	60	--
J120	200	50	N	20	N	150	N	N	--	30	--
J131	200	70	N	30	N	300	N	N	--	55	--
J139	100	50	N	20	N	200	N	N	--	40	--
J140	200	70	N	30	N	200	N	N	--	80	--
J141	100	70	N	30	N	500	N	N	--	150	--
J146	100	100	N	50	N	300	N	N	--	70	--
J153	300	100	N	15	N	300	N	N	--	55	--
J162	150	10	N	30	<200	200	N	N	--	140	--

ROCK CHIP SAMPLES: SANDY FACIES -- P=Pyritic; *=float Sample--continued

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
J171	23,180	63,000	5.0	1.00	.20	.30	1,500	N	N	N	20	500	2.0
J174	27,230	67,520	3.0	1.00	.50	.30	1,000	N	N	N	10	300	5.0
J187	22,950	69,150	5.0	.50	.20	.30	1,500	N	N	N	200	700	2.0
J195	23,140	69,820	3.0	.70	.30	.50	1,000	N	N	N	100	700	2.0
J200	22,980	71,180	5.0	.50	.10	.50	1,500	N	N	N	100	700	2.0
J202	24,900	67,540	5.0	.70	.15	.50	700	N	N	N	20	1,000	2.0
J204	24,000	68,060	7.0	.70	.10	.50	1,000	N	N	N	200	1,000	3.0
J210	20,440	69,260	1.0	.15	.10	.50	150	N	N	N	10	300	1.0
J226	19,980	69,380	3.0	.30	.07	.50	1,000	N	N	N	70	700	1.5
J401	20,700	--	5.0	.50	.05	.50	500	N	N	N	50	1,000	3.0
J403	19,480	--	.7	.10	.10	.15	70	N	N	N	15	1,000	1.0
J408	21,210	--	2.0	.30	.07	.70	300	N	N	N	20	500	1.5
J417	19,480	--	5.0	1.00	.10	.50	700	N	N	N	50	1,500	2.0
J420	19,280	--	1.0	.07	N	.50	30	N	N	N	15	1,000	1.0
J434	21,000	--	2.0	.15	.50	.50	500	N	N	N	20	300	1.0
J441	21,520	--	.7	.10	<.05	.20	50	N	N	N	20	1,000	1.0
J444	21,520	--	.7	.15	<.05	.10	100	N	N	N	50	700	1.0
J462P	21,040	67,220	1.5	.07	.05	.70	150	N	N	N	20	500	1.0
J471	17,410	62,440	3.0	.50	.15	.30	300	N	N	N	20	1,000	2.0
J484	23,480	67,420	2.0	.20	.07	.50	300	N	N	N	20	500	1.0
J486	23,760	67,510	3.0	.20	.07	.50	700	N	N	N	20	500	1.0
J493	16,800	60,350	5.0	.50	.07	.50	300	N	N	N	20	1,000	1.5
K017	26,450	74,060	5.0	.50	<.05	.30	500	N	N	N	150	300	2.0
K021	22,060	74,350	1.0	.03	<.05	.20	300	N	N	N	30	150	1.0
K024	21,310	74,640	1.5	.50	N	.30	70	<.5	N	N	100	150	1.0
K065	24,090	75,460	5.0	.70	.70	.30	700	N	N	N	30	700	2.0
K069	23,580	75,040	2.0	.50	.07	.30	150	N	N	N	100	500	2.0
K077	25,980	73,810	1.5	.30	.07	.50	150	N	N	N	20	300	2.0
K086	26,150	72,800	5.0	1.00	1.50	.30	1,000	N	N	N	70	500	2.0
K126P	24,880	73,130	5.0	1.00	.15	.50	200	N	N	N	70	700	2.0
K168	27,930	67,030	2.0	.50	.50	.50	700	N	N	N	<10	500	1.0
K173	25,340	66,690	3.0	.70	.15	.30	1,000	N	N	N	70	700	2.0
S160	16,130	63,110	7.0	1.00	.20	.50	200	N	N	N	20	2,000	2.0
S166	15,880	64,570	5.0	.70	N	.50	70	N	N	N	10	1,500	2.0
S189	15,010	62,670	3.0	1.00	.15	.30	300	N	N	N	10	2,000	1.5
S192	15,400	62,550	7.0	1.50	.30	1.00	300	N	N	N	10	2,000	1.5
S204	15,280	61,200	7.0	1.00	.05	.50	1,000	N	N	N	10	1,500	2.0
S230P	16,800	67,540	5.0	.70	.10	.50	500	N	N	N	20	300	2.0
S246*	16,590	60,190	3.0	.70	.10	.50	300	N	N	N	10	1,500	1.5
S247	15,620	60,080	2.0	.50	.07	.30	500	N	N	N	10	1,000	1.0
S249	14,990	60,640	5.0	.70	<.05	.50	100	N	N	N	15	1,500	3.0
S250	14,790	61,290	3.0	.70	.07	.30	300	N	N	N	10	500	2.0
S258	16,640	65,450	1.0	.30	.07	.50	30	N	N	N	10	700	1.0
S266	18,230	65,330	3.0	.50	<.05	.30	200	N	N	N	10	300	1.0
S272	17,120	64,570	2.0	.50	<.05	.30	50	N	N	N	15	1,000	1.5

ROCK CHIP SAMPLES: SANDY FACIES -- P=Pyritic; *=Float Sample--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NH	S-NI	S-PB	S-SB	S-SC	S-SN
J171	N	N	10	70	10	30	N	20	20	10	N	10	N
J174	N	N	10	70	10	20	N	<20	20	30	N	10	N
J187	N	N	10	70	30	50	N	20	20	15	N	15	N
J195	N	N	15	70	20	50	N	20	30	20	N	15	N
J200	N	N	10	70	15	50	N	20	20	15	N	15	N
J202	N	N	7	70	10	50	N	20	10	30	N	15	N
J204	N	N	15	100	20	30	5	20	30	10	N	20	N
J210	N	N	5	30	<5	30	N	20	<5	70	N	7	N
J226	N	N	7	30	5	50	N	<20	10	30	N	5	N
J401	N	N	5	70	10	100	N	20	7	20	N	15	N
J403	N	N	N	15	N	100	N	<20	5	30	N	<5	N
J408	N	N	7	30	N	50	N	<20	15	15	N	10	N
J417	N	N	15	150	20	50	N	<20	20	20	N	20	N
J420	N	N	N	20	N	20	N	<20	5	30	N	N	N
J434	N	N	5	30	<5	50	N	20	10	50	N	5	N
J441	N	N	7	20	N	20	N	<20	10	50	N	N	N
J444	N	N	N	20	N	20	N	<20	5	10	N	N	N
J462P	N	N	<5	30	<5	20	N	20	5	10	N	5	N
J471	N	N	5	30	5	150	N	<20	7	50	N	10	N
J484	N	N	<5	50	5	20	N	<20	5	20	N	7	N
J486	N	N	5	50	<5	70	N	20	7	20	N	10	N
J493	N	N	5	30	5	50	N	20	7	50	N	10	N
K017	N	N	7	20	30	<20	N	<20	15	15	N	7	N
K021	N	N	5	15	<5	20	N	N	5	15	N	5	N
K024	N	N	<5	20	5	20	N	<20	5	20	N	7	N
K065	N	N	15	50	20	70	N	<20	50	20	N	15	N
K069	N	N	10	30	15	50	N	N	20	20	N	10	N
K077	N	N	5	20	N	20	N	20	<5	<10	N	7	N
K086	N	N	15	50	15	70	N	<20	50	15	N	15	N
K126P	N	N	15	70	50	100	N	<20	50	50	N	15	N
K168	N	N	10	30	5	70	N	20	20	30	N	10	N
K173	N	N	10	50	<5	30	N	<20	30	50	N	10	N
S160	N	N	15	100	20	100	10	20	50	20	N	20	N
S166	N	N	<5	50	7	70	N	20	10	20	N	15	N
S189	N	N	7	30	<5	70	N	20	15	30	N	7	N
S192	N	N	10	100	5	150	7	30	15	30	N	15	N
S204	N	N	50	70	5	30	N	20	10	15	N	7	N
S230P	N	N	7	30	15	20	N	20	10	15	N	7	N
S246	N	N	7	70	<5	100	N	20	15	30	N	10	N
S247	N	N	5	20	<5	20	N	20	5	30	N	5	N
S249	N	N	<5	70	5	100	N	20	7	30	N	15	N
S250	N	N	5	50	5	30	N	20	10	15	N	10	N
S258	N	N	<5	30	N	50	N	20	<5	50	N	5	N
S266	N	N	5	20	20	20	N	20	10	20	N	5	N
S272	N	N	<5	20	<5	20	N	<20	<5	30	N	7	N

ROCK CHIP SAMPLES: SANDY FACIES -- P=Pyritic; *=Float Sample--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
J171	100	10	N	200	N	700	N	N	--	90	--
J174	300	50	N	20	N	500	N	N	--	90	--
J187	150	100	N	50	N	300	N	N	--	45	--
J195	200	100	N	30	N	200	N	N	--	60	--
J200	150	100	N	50	N	300	N	N	--	30	--
J202	150	70	N	30	N	300	N	N	--	70	--
J204	150	100	N	50	N	300	N	N	--	80	--
J210	100	50	N	15	N	500	N	N	--	5	--
J226	100	50	N	20	N	1,000	N	N	--	45	--
J401	100	100	N	20	N	200	N	--	--	35	.012
J403	100	20	N	15	N	150	N	--	--	15	N
J408	100	50	N	20	N	500	100	--	--	35	N
J417	100	100	N	30	N	300	N	--	--	80	.002
J420	<100	20	N	30	N	200	N	--	--	10	N
J434	100	50	N	15	N	100	N	--	--	65	.002
J441	<100	15	N	10	N	150	N	--	--	55	.002
J444	<100	10	N	10	N	100	N	--	--	10	.004
J462P	100	50	N	20	N	200	N	--	--	35	N
J471	100	70	N	20	N	200	N	--	--	25	N
J484	100	50	N	15	N	150	N	--	--	35	N
J486	100	70	N	20	N	300	N	--	--	25	N
J493	100	70	N	20	N	300	N	--	--	40	N
K017	<100	50	N	70	N	500	N	N	--	80	--
K021	<100	20	N	20	N	300	N	N	--	15	--
K024	<100	30	N	15	N	300	N	N	--	45	--
K065	150	100	N	30	<200	200	N	N	--	120	--
K069	100	50	N	30	N	150	N	N	--	60	--
K077	100	50	N	20	N	500	N	N	--	30	--
K086	300	70	N	70	N	200	N	N	--	130	--
K126P	150	100	N	50	N	200	N	N	--	120	--
K168	200	70	N	70	N	700	N	N	--	60	--
K173	200	100	N	30	N	200	N	N	--	80	--
S160	150	100	N	70	N	500	N	N	--	30	--
S166	<100	70	N	20	N	300	N	N	--	<5	--
S189	150	50	N	20	N	300	N	N	--	25	--
S192	150	70	N	30	N	300	N	N	--	40	--
S204	100	70	N	15	N	200	N	N	--	20	--
S230P	100	50	N	30	N	200	N	N	--	55	--
S246*	150	70	N	20	N	150	N	N	--	30	--
S247	100	50	N	10	N	200	N	N	--	20	--
S249	100	70	N	30	N	200	N	N	--	N	--
S250	100	50	N	30	N	200	N	N	--	35	--
S258	<100	30	N	20	N	150	N	N	--	N	--
S266	<100	30	N	15	N	150	N	N	--	35	--
S272	<100	50	N	20	N	100	N	N	--	<5	--

ROCK CHIP SAMPLES: SANDY FACIES -- P=Pyritic; *=float Sample--continued

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
S274	18,530	64,720	3.0	.70	.15	.50	50	N	N	N	10	1,500	1.5
S278*	18,500	70,720	1.0	.30	<.05	.70	70	N	N	N	50	300	1.0
S279	18,660	71,460	2.0	.50	.07	.30	500	N	N	N	70	500	2.0
S280	18,820	71,800	1.0	.50	N	.50	100	N	N	N	70	500	2.0
S282	19,100	72,360	3.0	.50	<.05	.30	500	N	N	N	50	500	2.0
S283	19,310	72,900	3.0	.20	<.05	.30	20	N	N	N	30	500	1.5
S303	18,100	67,550	3.0	.50	.70	.50	500	N	N	N	70	700	1.5
S307	18,910	68,200	1.0	.50	.05	.50	30	N	N	N	50	1,000	3.0
S317	18,770	73,450	2.0	.20	.50	.30	700	N	N	N	50	200	N
S337	18,160	74,250	2.0	.10	<.05	.30	1,000	N	N	N	100	300	2.0
S341	18,620	74,200	1.0	.20	.15	.30	30	N	N	N	50	500	1.5
S343	19,470	57,850	1.5	.50	.05	.15	200	N	N	N	15	1,500	1.5
S348	19,140	58,820	1.5	.30	.05	.20	300	N	N	N	10	1,000	<1.0
S353	19,400	59,450	3.0	1.00	.15	.70	200	N	N	N	30	1,500	3.0
S355*	18,720	59,450	1.5	.20	<.05	.20	300	N	N	N	30	1,500	2.0
S357	18,170	59,140	.7	.15	.05	.20	200	N	N	N	20	700	2.0
S358	21,680	62,980	5.0	1.50	.20	.50	700	N	N	N	50	1,000	3.0
S368	20,990	61,630	2.0	1.00	.50	.50	1,000	N	N	N	20	700	2.0
S371	20,580	61,310	2.0	.50	.05	.50	300	N	N	N	15	500	<1.0
S375	20,700	60,860	5.0	2.00	.15	.70	500	N	N	N	30	2,000	5.0
S378	21,210	60,860	2.0	.50	.05	.30	200	N	N	N	20	1,000	2.0
S380	21,410	63,040	3.0	1.00	.10	.50	1,000	N	N	N	20	700	1.0
S385	20,820	62,440	2.0	.50	.05	.50	200	N	N	N	50	1,000	3.0
S387	20,260	62,130	1.5	.30	.05	.50	200	N	N	N	30	1,000	2.0
S410*	20,120	59,700	1.0	.20	<.05	.20	150	N	N	N	20	700	1.5
S413	20,100	58,130	1.5	.20	<.05	.20	200	N	N	N	20	1,000	2.0
S417	21,140	59,670	2.0	.70	.10	.50	500	N	N	N	15	700	2.0
S425	19,970	67,010	1.5	.30	<.05	.50	100	N	N	N	20	1,000	2.0
S427	19,440	66,940	2.0	.15	<.05	.50	200	N	N	N	20	500	2.0
S438	18,860	66,520	1.5	.15	<.05	.50	500	N	N	N	20	700	1.5
S443	20,180	68,380	1.5	.10	.20	.15	70	N	300	N	20	300	<1.0
S444	18,920	57,830	2.0	.70	<.05	.30	500	N	N	N	20	1,000	2.0
S448	17,400	59,540	2.0	.30	<.05	.30	500	N	N	N	20	500	2.0
S454	21,790	65,770	2.0	.30	.15	.50	1,000	N	N	N	50	500	2.0
S456	21,840	66,030	2.0	.50	.20	.50	500	N	N	N	100	700	3.0
S474	18,080	60,070	3.0	1.00	.10	.50	300	N	N	N	20	1,000	2.0
S477	18,760	59,870	3.0	1.00	.10	.50	500	N	N	N	30	1,500	3.0
S482	19,190	60,500	5.0	1.50	.05	.50	500	N	N	N	15	1,000	3.0
S484	19,140	61,360	3.0	.70	.05	.50	200	N	N	N	20	1,000	2.0
S489	18,670	61,270	2.0	.70	.10	.30	500	N	N	N	15	700	1.0
S491	18,570	60,950	2.0	1.50	.05	.50	500	N	N	N	20	1,000	3.0
S493*	18,110	60,490	2.0	.20	<.05	.30	200	N	N	N	20	700	2.0
S497*	17,190	60,370	2.0	.70	<.05	.50	300	N	N	N	15	1,000	2.0
S507	15,660	67,800	1.5	.15	.05	.50	500	N	N	N	50	200	<1.0
S510*	15,390	67,370	1.0	.05	<.05	.50	70	N	N	N	20	70	N

ROCK CHIP SAMPLES: SANDY FACIES -- P=Pyritic; *=float Sample--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NH	S-NI	S-PB	S-SB	S-SC	S-SN
S274	N	N	5	70	7	70	N	20	<5	20	N	10	N
S278*	N	N	5	20	<5	70	N	20	5	20	N	5	N
S279	N	N	5	50	5	50	N	50	7	20	N	10	N
S280	N	N	<5	50	<5	70	N	<20	10	20	N	10	N
S282	N	N	5	30	<5	100	N	<20	15	50	N	15	N
S283	N	N	<5	20	5	50	N	<20	<5	30	N	10	N
S303	N	N	7	70	<5	70	N	20	10	20	N	7	N
S307	N	N	<5	50	N	50	N	20	<5	10	N	10	N
S317	N	N	15	20	10	N	N	N	20	10	N	5	N
S337	N	N	10	30	20	50	N	N	20	10	N	7	N
S341	N	N	7	30	15	20	N	N	15	10	N	7	N
S343	N	N	5	10	5	N	N	N	20	20	N	5	N
S348	N	N	5	15	5	N	N	N	15	20	N	N	N
S353	N	N	5	100	5	30	N	20	10	20	N	15	N
S355*	N	N	N	20	5	30	N	N	15	30	N	5	N
S357	N	N	N	10	<5	70	N	N	15	50	N	N	N
S358	N	N	20	70	50	20	N	N	50	10	N	15	N
S368	N	N	10	50	5	30	7	N	20	20	N	7	N
S371	N	N	7	30	5	20	N	N	10	10	N	7	N
S375	N	N	30	100	50	50	N	N	70	15	N	30	N
S378	N	N	7	30	5	30	N	N	10	10	N	7	N
S380	N	N	7	30	7	30	5	N	20	10	N	7	N
S385	N	N	7	70	10	70	N	N	10	15	N	15	N
S387	N	N	10	50	10	30	N	N	10	10	N	10	N
S410*	N	N	N	20	7	20	N	N	20	20	N	N	N
S413	N	N	N	15	5	30	N	N	15	20	N	N	N
S417	N	N	10	50	7	100	N	N	20	15	N	10	N
S425	N	N	N	20	20	50	10	N	10	30	N	7	N
S427	N	N	N	20	20	70	N	N	7	10	N	7	N
S438	N	N	10	15	5	20	N	N	20	15	N	N	N
S443	N	N	N	N	10	20	N	N	7	20	N	N	N
S444	N	N	7	15	10	50	N	N	15	20	N	7	N
S448	N	N	10	30	10	20	N	N	20	20	N	7	N
S454	N	N	15	20	50	20	N	N	30	10	N	10	N
S456	N	N	5	70	30	70	N	N	20	10	N	15	N
S474	N	N	15	70	20	100	N	N	15	20	N	15	N
S477	N	N	5	100	<5	50	N	N	7	15	N	15	N
S482	N	N	20	70	30	50	N	N	30	30	N	15	N
S484	N	N	N	50	10	30	N	N	10	20	N	10	N
S489	N	N	10	30	<5	70	N	N	15	20	N	7	N
S491	N	N	5	50	7	30	N	N	5	15	N	10	N
S493*	N	N	10	30	30	20	N	N	15	50	N	7	N
S497*	N	N	10	50	15	50	N	N	20	15	N	10	N
S507	N	N	10	20	15	50	N	N	15	N	N	5	N
S510*	N	N	N	20	10	100	N	N	10	20	N	7	N

ROCK CHIP SAMPLES: SANDY FACIES -- P=Pyritic; *=Float Sample--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
S274	100	70	N	70	N	500	N	N	--	N	--
S273*	<100	30	N	15	N	500	N	N	--	5	--
S279	<100	50	N	20	N	200	N	N	--	5	--
S280	<100	70	N	20	N	300	N	N	--	<5	--
S282	<100	50	N	50	N	200	N	N	--	5	--
S283	N	70	N	20	N	500	N	N	--	N	--
S303	150	150	N	30	N	700	N	N	--	55	--
S307	N	100	N	20	N	700	N	N	--	N	--
S317	100	70	N	50	N	300	N	N	--	20	--
S337	N	70	N	30	N	500	N	N	--	30	--
S341	100	70	N	50	N	300	N	N	--	10	--
S343	150	50	N	10	N	300	N	N	--	20	--
S348	100	50	N	N	N	200	N	N	--	40	--
S353	100	150	N	30	N	500	N	N	--	50	--
S355*	N	50	N	15	N	300	N	N	--	15	--
S357	N	30	N	20	N	200	N	N	--	10	--
S358	200	150	N	30	N	300	N	N	--	70	--
S368	300	100	N	20	N	200	N	N	--	80	--
S371	100	70	N	15	N	300	N	N	--	70	--
S375	150	200	N	50	N	300	N	N	--	110	--
S378	N	70	N	20	N	300	N	N	--	45	--
S380	100	70	N	20	N	300	N	N	--	90	--
S385	150	150	N	30	N	500	N	N	--	555	--
S387	100	100	N	20	N	300	N	N	--	30	--
S410*	100	50	N	N	N	70	N	N	--	25	--
S413	100	50	N	N	N	200	N	N	--	25	--
S417	100	100	N	20	N	200	N	N	--	70	--
S425	N	70	N	30	N	500	N	N	--	10	--
S427	N	70	N	10	N	200	N	N	--	40	--
S433	N	50	N	15	N	200	N	N	--	70	--
S443	N	50	N	N	N	200	N	N	--	25	--
S444	100	100	N	N	N	200	N	N	--	50	--
S448	N	70	N	10	N	300	N	N	--	45	--
S454	100	100	N	10	N	300	N	N	--	60	--
S456	100	150	N	50	N	300	N	N	--	60	--
S474	100	150	N	30	N	300	N	N	--	60	--
S477	100	150	N	10	N	300	N	N	--	50	--
S482	N	150	N	30	N	200	N	N	--	70	--
S484	N	150	N	10	N	150	N	N	--	20	--
S489	N	100	N	20	N	150	N	N	--	50	--
S491	N	150	N	20	N	300	N	N	--	50	--
S493*	N	70	N	20	N	300	N	N	--	25	--
S497*	N	100	N	15	N	300	N	N	--	60	--
S507	N	50	N	10	N	200	N	N	--	15	--
S510*	N	50	N	20	N	200	N	N	--	5	--

ROCK CHIP SAMPLES: SANDY FACIES -- P=Pyritic; *=Float Sample--continued

sample	X-COORD.	Y-COORD.	S-FEX	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
T008	20,460	64,220	2.0	.30	.07	.50	300	N	N	N	10	700	1.0
T049	18,400	61,980	2.0	1.00	.30	.50	200	N	N	N	15	1,000	1.0

ROCK CHIP SAMPLES: SANDY FACIES -- P=Pyritic; *=Float Sample--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NR	S-NI	S-PB	S-SB	S-SC	S-SN
T008	N	N	5	50	N	100	N	20	7	30	N	5	N
T049	N	N	7	100	<5	50	N	<20	10	20	N	10	N

ROCK CHIP SAMPLES: SANDY FACIES -- P=Pyritic; *=Float Sample--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
T008	100	50	N	20	N	200	N	--	--	30	N
T049	100	70	N	20	N	150	N	--	--	40	N

ROCK CHIP SAMPLES: INTERBEDDED SANDY AND SHALY, SLATY, SILTY FACIES -- P=Pyritic

sample	X-COORD.	Y-COORD.	S-FEZ	S-MG%	S-CA%	S-TIX	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
AG048	16,490	68,240	1.5	.2	.15	.3	300	N	N	N	30	300	1.0
H011	23,390	63,620	5.0	1.0	.07	.5	2,000	N	N	N	200	700	3.0
H032	20,670	68,300	7.0	1.5	.70	1.0	1,000	N	N	N	100	700	2.0
J076	26,220	70,150	2.0	.7	.05	.5	300	N	N	N	70	700	2.0
J095	23,740	72,200	5.0	.7	.30	.5	500	N	N	N	100	700	3.0
J087	25,490	70,090	7.0	.7	.10	.5	1,000	N	N	N	50	1,000	2.0
J093P	25,500	72,020	7.0	1.0	.15	.5	700	N	N	N	150	500	2.0
J094	24,480	71,400	5.0	.7	.20	.5	500	N	N	N	100	700	3.0
J102	19,560	73,870	5.0	.7	.15	.5	700	N	N	N	150	700	5.0
J113	21,380	60,070	3.0	.7	.20	.5	300	N	N	N	10	1,000	2.0
J122	25,160	75,620	3.0	1.0	.05	.3	300	N	N	N	100	1,000	2.0
J123	24,500	75,350	5.0	1.5	.07	.5	500	N	N	N	100	1,000	3.0
J125	24,190	74,670	5.0	1.0	<.05	.5	500	N	N	N	100	700	3.0
J126P	24,400	74,120	7.0	1.0	.07	.5	500	N	N	N	100	1,000	3.0
J129	24,630	73,090	7.0	1.5	.20	.5	500	<.5	N	N	70	1,000	3.0
J132	22,710	74,000	5.0	1.5	.10	.3	300	<.5	N	N	100	1,000	3.0
J134P	23,560	73,580	5.0	.7	.07	.5	1,000	N	N	N	100	700	2.0
J144P	19,820	72,120	7.0	1.0	.05	.5	100	.5	N	N	150	1,000	2.0
J130	22,940	64,370	5.0	1.0	.07	.5	1,000	N	N	N	30	700	3.0
J185	23,650	69,520	5.0	1.5	.07	.5	500	N	N	N	200	1,000	3.0
J198	22,750	70,530	7.0	1.5	.20	.5	500	N	N	N	150	1,000	3.0
J229	20,340	70,550	5.0	1.0	.50	.3	1,000	N	N	N	100	700	5.0
J411	20,120	--	5.0	1.0	.15	.7	500	.5	N	N	70	1,000	2.0
J430P	22,390	--	7.0	1.5	.70	.5	700	N	N	N	100	1,000	2.0
J431	22,400	--	7.0	1.0	.30	.5	300	N	N	N	70	1,000	2.0
J457	21,500	66,670	7.0	.3	.20	.3	1,000	N	N	N	70	700	1.5
J463P	22,500	71,070	2.0	.5	.05	.5	100	N	N	N	30	700	2.0
J487	23,950	67,580	5.0	.7	.10	.5	200	N	N	N	50	700	2.0
J490	24,440	67,240	5.0	1.5	.10	.5	1,000	N	N	N	50	1,500	2.0
J497	16,880	62,500	7.0	.5	.15	.5	1,000	N	N	N	20	700	3.0
K088	25,270	71,920	1.5	.2	.05	.3	150	N	N	N	70	500	2.0
K139	23,000	72,910	3.0	.5	.05	.3	700	N	N	N	100	500	1.5
S298	17,480	68,000	2.0	.2	.15	.3	500	N	N	N	50	500	2.0
S328	17,510	73,490	2.0	.5	<.05	.3	500	N	N	N	150	700	3.0
S399	20,760	60,340	3.0	.5	.05	.5	500	N	N	N	20	1,000	2.0
S464	22,260	64,680	3.0	1.5	.07	.5	500	N	N	N	100	1,000	5.0

ROCK CHIP SAMPLES: INTERBEDDED SANDY AND SHALY, SLATY, SILTY FACIES -- P=Pyritic

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
AG048	N	N	5	15	5	20	5	N	15	10	N	N	N
H011	N	N	10	100	30	100	N	20	15	20	N	15	N
H032	N	N	50	70	50	70	N	20	50	20	N	20	N
J076	N	N	5	70	5	70	7	<20	5	30	N	15	N
J085	N	N	15	100	50	70	N	<20	30	20	N	15	N
J087	N	N	15	100	20	50	N	<20	50	15	N	15	N
J093P	N	N	20	70	70	50	N	20	50	30	N	15	N
J094	N	N	10	70	20	50	N	<20	20	20	N	10	N
J102	N	N	15	50	50	100	N	<20	30	30	N	15	N
J113	N	N	10	70	20	70	N	<20	20	30	N	15	N
J122	N	N	10	100	30	70	N	<20	15	20	N	20	N
J123	N	N	15	150	50	50	N	<20	15	20	N	20	N
J125	N	N	15	100	30	70	N	20	30	20	N	20	N
J126P	N	N	10	150	50	100	N	<20	20	30	N	20	N
J129	N	N	20	100	70	150	N	<20	70	20	N	20	N
J132	N	N	15	100	50	150	N	<20	20	20	N	20	N
J134P	N	N	15	50	50	20	N	<20	20	30	N	15	N
J144P	N	N	7	100	30	100	N	<20	20	50	N	20	N
J180	N	N	10	100	30	50	N	20	20	50	N	15	N
J185	N	N	5	100	30	100	5	20	20	30	N	20	N
J198	N	N	20	100	70	100	N	20	50	100	N	20	N
J228	N	N	20	70	100	100	N	20	50	30	N	20	N
J411	N	N	7	150	15	100	N	<20	15	20	N	20	N
J430P	N	N	10	150	20	100	N	20	20	30	N	20	N
J431	N	N	10	150	20	100	N	<20	20	100	N	20	10
J457	N	N	7	50	15	70	N	<20	10	20	N	10	N
J468P	N	N	15	50	20	50	N	<20	20	30	N	10	N
J487	N	N	5	100	15	70	N	<20	7	30	N	15	N
J490	N	N	15	150	20	70	N	<20	20	30	N	20	N
J497	N	N	10	70	20	100	N	<20	15	50	N	15	N
K088	N	N	15	30	15	30	N	N	50	30	N	10	N
K139	N	N	10	30	30	20	N	<20	20	15	N	10	N
S298	N	N	7	30	<5	50	N	<20	10	20	N	7	N
S323	N	N	15	70	20	N	N	N	30	10	N	15	N
S399	N	N	15	50	20	50	N	N	20	15	N	10	N
S464	N	N	N	100	30	70	N	N	7	30	N	20	N

ROCK CHIP SAMPLES: INTERBEDDED SANDST AND SHALES, SLATS, SLATS, SLATS, SLATS

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
AG048	N	50	N	10	N	200	N	N	--	20	--
H011	150	150	N	50	N	200	N	N	--	60	--
H032	200	150	N	50	N	150	N	N	--	100	--
J075	150	100	N	30	N	300	N	N	--	40	--
J085	150	100	N	70	N	500	N	N	--	75	--
J037	200	100	N	50	N	500	N	N	--	60	--
J093P	150	100	N	70	N	500	N	N	--	140	--
J094	200	100	N	50	N	300	N	N	--	45	--
J102	100	70	N	50	N	300	N	N	--	100	--
J113	150	100	N	20	N	200	N	N	--	45	--
J122	150	100	N	50	N	100	N	N	--	75	--
J123	100	150	N	50	N	150	N	N	--	160	--
J125	100	150	N	70	N	300	N	N	--	150	--
J126P	150	150	N	70	N	300	N	N	--	150	--
J129	200	100	N	100	N	300	N	N	--	170	--
J132	150	100	N	100	N	150	N	N	--	110	--
J134P	150	100	N	70	N	500	N	N	--	100	--
J144P	100	100	N	50	N	200	N	N	--	90	--
J140	150	70	N	30	N	300	N	N	--	65	--
J185	150	100	N	50	300	300	N	N	--	80	--
J198	150	100	N	100	N	200	N	N	--	100	--
J228	200	70	N	50	N	300	N	N	--	110	--
J411	200	100	N	50	N	200	N	--	--	110	N
J430P	200	100	N	50	N	150	N	--	--	120	N
J431	200	100	N	100	N	200	N	--	--	130	N
J457	150	70	N	30	N	200	N	--	--	30	N
J468P	100	70	N	30	N	150	N	--	--	40	<.002
J487	100	100	N	20	N	150	N	--	--	35	N
J490	150	100	N	30	N	150	N	--	--	160	N
J497	100	100	N	30	N	200	N	--	--	115	N
K088	150	70	N	30	200	200	N	N	--	220	--
K139	100	70	N	30	N	300	N	N	--	45	--
S298	100	50	N	15	N	200	N	N	--	50	--
S328	N	150	N	30	N	300	N	N	--	55	--
S399	150	150	N	20	N	200	N	N	--	55	--
S464	150	200	N	50	N	200	N	N	--	50	--

ROCK CHIP SAMPLES: QUARTZ VEINS -- *=Float sample

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
AG077*	20,470	59,870	.05	<.02	<.05	.005	50	N	N	N	N	50	N
AG095*	21,550	61,810	.10	.02	<.05	.010	10	N	N	N	10	50	N
AG102	22,230	61,530	.10	.02	<.05	.020	50	N	N	N	15	20	N
AG106	22,580	62,230	.07	.02	<.05	.007	50	N	N	N	10	20	N
AG121*	19,960	60,210	.07	.02	<.05	.007	20	N	N	N	10	20	N
AG137*	19,630	68,160	.10	.03	<.05	.070	15	N	N	N	10	50	N
AG150	21,250	64,460	.20	<.02	<.05	.007	20	N	N	N	10	N	N
H001	22,610	64,370	.07	.02	N	.007	50	N	N	N	15	N	<1.0
J026	20,690	73,570	.50	.02	N	.010	100	N	N	N	10	50	<1.0
J055	25,340	72,630	.30	.02	<.05	.015	50	N	N	N	<10	30	<1.0
J065	20,780	73,500	1.50	.20	N	.020	30	N	N	N	20	50	1.0
J065	25,400	68,330	<.05	<.02	<.05	.005	10	N	N	N	10	30	<1.0
J089	25,190	69,710	.10	.02	N	.010	<10	N	N	N	<10	70	1.0
J097	24,200	71,770	3.00	.50	.10	.300	500	N	N	N	70	700	3.0
J099	24,240	71,810	.15	.02	N	.015	<10	N	N	N	10	70	1.0
J101	19,960	74,300	.05	<.02	N	.002	10	N	N	N	<10	50	<1.0
J106	19,160	73,740	1.00	.20	<.05	1.000	300	N	N	N	100	500	3.0
J107	19,140	73,770	.20	.02	N	.070	70	N	N	N	15	50	<1.0
J108	19,330	74,230	.20	<.02	N	<.002	20	N	N	N	<10	30	<1.0
J109	20,310	74,300	.30	<.02	<.05	.002	10	N	N	N	<10	50	<1.0
J138	21,290	74,000	.50	.02	<.05	.030	20	N	N	N	<10	50	<1.0
J142	20,330	71,940	.30	.05	.05	.200	200	N	500	N	150	200	1.5
J143	19,900	71,840	1.00	.03	<.05	.300	200	N	N	N	70	150	1.0
J149	19,990	73,420	.50	<.02	<.05	.010	50	N	N	N	10	70	<1.0
J163	22,250	67,140	.05	.02	<.05	.010	20	N	N	N	10	20	N
J172	22,630	62,690	.20	.02	<.05	.002	20	N	N	N	10	20	N
J131	23,230	65,130	.05	.02	<.05	.002	20	N	N	N	10	20	N
J190	23,670	69,260	1.00	.20	<.05	.020	200	N	N	N	10	70	1.0
J208*	20,660	68,630	.30	.02	N	.003	20	N	N	N	10	20	<1.0
J220	19,800	71,320	.70	.07	.05	.100	20	7.0	N	N	100	200	1.5
J222	19,860	71,820	1.00	.07	.05	.100	300	N	N	N	20	100	1.0
J415	19,060	--	.10	.02	N	.020	50	N	N	N	10	100	<1.0
J423*	19,630	--	.07	.02	N	.007	50	N	N	N	10	70	<1.0
J425	20,000	--	.20	.02	N	.020	10	N	N	N	10	70	<1.0
J452*	21,150	70,340	5.00	.50	.10	.300	200	N	N	N	100	700	2.0
J461	21,160	67,370	.10	<.02	N	.020	15	N	N	N	10	100	<1.0
J472*	17,720	62,830	.07	<.02	N	<.002	20	N	N	N	15	30	<1.0
J481*	22,750	65,870	<.05	.05	N	<.002	10	N	N	N	15	50	<1.0
J482	23,000	66,150	2.00	.03	N	.050	100	N	N	N	20	100	<1.0
J495*	16,740	61,000	2.00	<.02	N	.002	1,500	N	N	N	15	30	<1.0
J499	17,320	63,980	.20	.05	<.05	.007	30	N	N	N	15	70	1.0
K003	24,950	73,780	.70	.02	<.05	.010	150	N	N	N	<10	50	1.0
K011	25,940	79,300	.30	.05	N	.050	50	N	N	N	10	100	1.0
K026	20,810	74,500	.07	<.02	N	.002	<10	N	N	N	<10	20	<1.0
K035	19,620	74,210	.10	.02	<.05	.015	10	N	N	N	<10	70	<1.0

ROCK CHIP SAMPLES: QUARTZ VEINS -- *=Float Sample

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PU	S-SU	S-SC	S-SN
AG077*	N	N	20	N	N	N	N	N	10	N	N	N	N
AG095*	N	N	N	N	<5	N	N	N	5	N	N	N	N
AG102	N	N	N	N	N	N	N	N	10	N	N	N	N
AG106	N	N	N	N	N	N	N	N	5	N	N	N	N
AG121*	N	N	N	N	N	N	N	N	5	N	N	N	N
AG137*	N	N	N	N	N	N	N	N	7	N	N	N	N
AG150	N	N	N	N	N	N	N	N	7	N	N	N	N
H001	N	N	N	<10	N	20	N	<20	5	<10	N	<5	N
J026	N	N	7	10	5	<20	N	N	5	<10	N	<5	N
J055	N	N	N	10	<5	20	N	N	5	10	N	N	N
J065	N	N	N	10	10	20	N	N	10	<10	N	<5	N
J066	N	N	N	<10	N	20	N	N	5	N	N	N	N
J069	N	N	N	<10	N	20	N	N	10	N	N	N	N
J077	N	N	20	50	20	70	N	<20	20	50	N	15	N
J079	N	N	N	<10	<5	20	N	N	5	N	N	N	N
J101	N	N	N	<10	N	20	N	N	5	N	N	N	N
J106	N	N	5	50	N	150	N	30	5	10	N	10	N
J107	N	N	N	<10	N	20	N	<20	5	10	N	<5	N
J108	N	N	N	N	N	20	N	N	5	N	N	N	N
J109	N	N	N	N	5	20	N	N	5	N	N	N	N
J138	N	N	N	<10	5	<20	N	N	5	10	N	<5	N
J142	N	N	7	15	<5	20	N	<20	5	<10	N	5	N
J143	N	N	5	10	5	20	N	<20	5	10	N	5	N
J149	N	N	N	<10	<5	20	N	N	5	N	N	<5	N
J163	N	N	N	N	<5	20	N	<20	5	N	N	<5	N
J172	N	N	N	N	50	20	N	<20	<5	<10	N	<5	N
J181	N	N	N	<10	N	20	N	<20	N	<10	N	<5	N
J170	N	N	5	10	<5	20	N	<20	5	N	N	<5	N
J206*	N	N	N	N	5	20	N	<20	<5	<10	N	<5	N
J220	N	N	<5	10	5	20	N	<20	<5	300	N	5	N
J222	N	N	5	10	<5	20	N	<20	5	<10	N	<5	N
J415	N	N	N	10	N	20	N	N	5	<10	N	N	N
J423*	N	N	N	10	N	20	N	N	5	<10	N	N	N
J425	N	N	N	10	N	20	N	N	5	<10	N	N	N
J452*	N	N	5	100	20	70	N	<20	15	70	N	20	N
J461	N	N	N	10	N	20	N	N	5	<10	N	N	N
J472*	N	N	N	10	N	<20	N	N	5	N	N	N	N
J481*	N	N	N	10	N	<20	N	N	5	N	N	N	N
J482	N	N	<5	20	5	<20	N	N	5	N	N	N	N
J495*	N	N	5	100	20	20	50	<20	15	N	N	N	N
J499	N	N	N	10	N	20	N	<20	5	10	N	N	N
K003	N	N	5	<10	<5	20	N	N	5	N	N	<5	N
K011	N	N	N	10	<5	20	N	N	5	<10	N	<5	N
K026	N	N	N	<10	N	20	N	N	5	<10	N	<5	N
K035	N	N	N	<10	N	20	N	N	5	<10	N	<5	N

ROCK CHIP SAMPLES: QUARTZ VEINS -- * = float sample

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
AGJ77*	N	N	N	N	N	N	N	N	--	5	--
AGJ95*	N	N	N	N	N	N	N	N	--	N	--
AG102	N	N	N	N	N	N	N	N	--	<5	--
AG106	N	N	N	N	N	N	N	N	--	<5	--
AG121*	N	N	N	N	N	N	N	N	--	N	--
AG137*	N	N	N	N	N	N	N	N	--	N	--
AG150	N	N	N	N	N	N	N	N	--	N	--
H001	N	10	N	N	N	10	N	N	--	N	--
J026	N	10	N	N	N	N	N	N	--	5	--
J035	N	10	N	<10	N	15	N	N	--	5	--
J065	<100	10	N	20	N	10	N	N	--	50	--
J068	N	<10	N	N	N	N	N	N	--	<5	--
J069	N	10	N	N	N	<10	N	N	--	5	--
J077	100	70	N	50	N	150	N	N	--	60	--
J099	<100	<10	N	N	N	<10	N	N	--	10	--
J101	<100	<10	N	N	N	N	N	N	--	15	--
J106	100	100	N	50	N	700	N	N	--	30	--
J107	<100	10	N	<10	N	50	N	N	--	5	--
J108	N	<10	N	N	N	N	N	N	--	10	--
J109	N	<10	N	N	N	N	N	N	--	10	--
J138	<100	10	N	N	N	20	N	N	--	20	--
J142	<100	20	N	10	N	100	N	N	--	15	--
J143	<100	30	N	15	N	300	N	N	--	20	--
J149	N	<10	N	N	N	N	N	N	--	20	--
J163	N	70	N	N	N	N	N	N	--	N	--
J172	N	50	N	N	N	N	N	N	--	5	--
J181	N	15	N	N	N	N	N	N	--	N	--
J190	N	20	N	N	N	20	N	N	--	15	--
J208*	N	10	N	N	N	N	N	N	--	N	--
J220	N	20	N	10	N	150	N	N	--	<5	--
J222	N	20	N	10	N	70	N	N	--	<5	--
J415	N	<10	N	N	N	30	N	--	--	5	N
J423*	N	<10	N	N	N	N	N	--	--	<5	N
J425	N	<10	N	N	N	10	N	--	--	5	N
J452*	150	100	N	50	N	200	N	--	--	80	N
J461	<100	<10	N	N	N	N	N	--	--	5	N
J472*	<100	<10	N	N	N	N	N	--	--	10	N
J481*	<100	<10	N	N	N	N	N	--	--	<5	N
J482	<100	15	N	10	N	70	N	--	--	15	N
J495*	<100	10	N	N	N	N	N	--	--	5	N
J499	<100	<10	N	N	N	N	N	--	--	10	N
K003	N	<10	N	N	N	<10	N	N	--	15	--
K011	N	10	N	N	N	20	N	N	--	10	--
K026	<100	<10	N	N	N	N	N	N	--	5	--
K035	<100	<10	N	N	N	N	N	N	--	20	--

ROCK CHIP SAMPLES: QUARTZ VEINS -- *Float Sample--continued

sample	X-COORD.	Y-COORD.	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
K040	18,730	74,340	.30	.02	<.05	.300	20	N	N	N	100	100	1.0
K100	25,230	71,170	.30	.02	N	.020	30	N	N	N	10	100	1.0
K150*	25,810	69,000	.05	.02	N	.007	10	N	N	N	<10	30	1.0
K241	19,000	74,270	<.05	<.02	N	.005	10	N	N	N	<10	20	<1.0
K300	25,540	67,250	.05	.02	N	.010	100	N	N	N	<10	50	<1.0
K303	25,610	67,690	.15	.02	<.05	.005	30	N	N	N	N	20	<1.0
K349	20,020	73,570	.30	<.02	<.05	.010	70	N	N	N	10	30	<1.0
K351	20,060	73,650	<.05	<.02	<.05	<.002	<10	N	N	N	<10	20	<1.0
S150	15,000	64,160	1.00	.05	.05	.100	70	N	N	N	10	100	1.0
S155	15,340	63,480	.70	.05	<.05	.050	500	N	N	N	10	100	1.0
S158	16,140	63,100	.20	.02	<.05	.005	30	N	N	N	10	50	<1.0
S163	15,840	64,060	.10	.02	<.05	.002	150	N	N	N	<10	50	<1.0
S175	14,520	68,520	.05	.02	<.05	.010	500	N	N	N	<10	50	<1.0
S197	15,610	62,220	.20	.05	.05	.050	50	N	N	N	10	100	1.0
S208	14,820	61,800	.30	.07	<.05	.020	50	N	N	N	<10	100	<1.0
S215	16,180	66,320	.70	.03	<.05	.030	150	N	N	N	10	100	1.0
S217	16,100	66,620	1.00	.02	.07	.030	100	N	N	N	10	70	1.0
S236*	17,400	66,120	<.05	.02	<.05	.003	<10	N	N	N	10	50	<1.0
S318	18,930	73,310	<.05	<.02	<.05	.005	20	N	N	N	N	70	N
S321	18,430	73,410	.50	.02	<.05	.200	70	N	N	N	70	100	N
S335*	17,310	74,050	1.50	.03	<.05	.020	1,500	N	N	N	15	100	N
S346	19,150	58,410	.20	.02	<.05	.007	50	N	N	N	10	100	N
S364	21,460	62,240	.20	.07	<.05	.050	70	N	N	N	10	200	N
S381	21,270	62,890	.50	<.02	<.05	.007	30	N	N	N	15	50	N
S403*	19,820	58,350	.15	.02	<.05	.010	20	N	N	N	20	50	N
S430	19,860	67,040	.10	.02	<.05	.010	50	N	N	N	15	50	N
S439	18,940	66,520	.15	.02	<.05	.020	10	N	N	N	15	100	N
S458	18,860	61,450	.20	.05	<.05	.050	20	N	N	N	10	150	N
S509	15,760	67,570	.30	.02	<.05	.010	50	N	N	N	15	20	N
T006	19,160	62,110	1.00	.05	N	.150	50	N	N	N	10	100	<1.0
T020	20,960	69,230	1.00	.02	N	.030	50	N	N	N	10	70	<1.0
T021	20,820	70,390	1.50	.02	<.05	.050	200	N	N	N	<10	70	<1.0
T026	21,380	68,060	.50	.05	<.05	.030	70	N	N	N	10	200	1.0
T033	21,000	67,210	.30	.02	<.05	.015	200	N	N	N	10	50	<1.0
T038	21,910	71,970	.50	.02	N	.005	50	N	N	N	10	30	<1.0

ROCK CHIP SAMPLES: QUARTZ VLINS -- *Float Sample--continued

sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
K040	N	N	N	20	<5	30	N	<20	5	10	N	5	N
K100	N	N	N	10	<5	20	N	N	5	N	N	<5	N
K150*	N	N	N	<10	N	20	N	N	5	N	N	<5	N
K241	N	N	N	<10	N	20	N	N	5	N	N	N	N
K300	N	N	N	<10	N	<20	N	N	<5	N	N	N	N
K303	N	N	N	10	<5	<20	N	N	<5	N	N	N	N
K349	N	N	N	10	<5	<20	N	N	<5	N	N	N	N
K351	N	N	N	<10	N	<20	N	N	<5	N	N	N	N
S150	N	N	5	10	10	20	N	<20	<5	<10	N	<5	N
S155	N	N	<5	20	7	<20	N	<20	5	<10	N	N	N
S158	N	N	N	N	5	<20	N	<20	5	N	N	N	N
S163	N	N	N	<10	<5	<20	N	<20	<5	N	N	N	N
S175	N	N	N	<10	N	20	N	<20	N	N	N	<5	N
S197	N	N	N	<10	<5	20	N	<20	<5	<10	N	<5	N
S203	N	N	<5	50	<5	20	N	<20	<5	15	N	<5	N
S215	N	N	N	10	<5	20	N	<20	<5	N	N	<5	N
S217	N	N	5	<10	<5	20	N	<20	<5	N	N	<5	N
S236*	N	N	N	<10	N	20	N	<20	<5	N	N	<5	N
S318	N	N	N	10	N	N	N	N	10	N	N	N	N
S321	N	N	N	15	<5	N	N	N	7	N	N	N	N
S335*	N	N	30	N	10	N	N	N	15	50	N	N	N
S346	N	N	N	N	N	N	N	N	20	N	N	N	N
S364	N	N	N	N	<5	N	N	N	5	N	N	N	N
S381	N	N	N	50	7	N	N	N	10	N	N	N	N
S403*	N	N	N	N	N	N	N	N	7	N	N	N	N
S430	N	N	N	10	N	N	N	N	10	N	N	N	N
S439	N	N	N	N	<5	N	N	N	N	15	N	N	N
S438	N	N	N	N	N	N	N	N	7	N	N	N	N
S509	N	N	10	N	N	N	N	N	7	N	N	N	N
T006	N	N	<5	20	N	20	N	<20	5	N	N	N	N
T020	N	N	<5	15	N	<20	N	<20	7	N	N	N	N
T021	N	N	5	20	<5	<20	N	<20	10	N	N	N	N
T026	N	N	<5	15	<5	20	N	<20	7	30	N	N	N
T033	N	N	N	15	<5	<20	N	<20	10	<10	N	N	N
T038	N	N	N	10	<5	<20	N	<20	5	15	N	N	N

ROCK CHIP SAMPLES: QUARTZ VEINS -- * = Float Sample -- continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU-P	AA-AU-SW	AA-ZN-P	AA-AU-T
K040	<100	30	N	20	N	300	N	N	--	10	--
K100	<100	10	N	N	N	10	N	N	--	20	--
K150*	N	10	N	N	N	<10	N	N	--	5	--
K241	N	10	N	N	N	<10	N	N	--	10	--
K300	N	<10	N	N	N	N	N	N	--	10	--
K303	N	<10	N	N	N	N	N	N	--	10	--
K349	N	<10	N	N	N	200	N	N	--	10	--
K351	N	<10	N	N	N	N	N	N	--	10	--
S150	N	10	N	<10	N	20	N	N	--	<5	--
S155	N	10	N	<10	N	20	N	N	--	N	--
S158	N	10	N	<10	N	N	N	N	--	N	--
S163	N	10	N	<10	N	70	N	N	--	N	--
S175	N	15	N	<10	N	N	N	N	--	N	--
S197	N	10	N	<10	N	10	N	N	--	N	--
S208	<100	10	N	<10	N	<10	N	N	--	10	--
S215	N	15	N	<10	N	30	N	N	--	N	--
S217	<100	15	N	<10	N	15	N	N	--	5	--
S236*	N	10	N	<10	N	20	N	N	--	N	--
S318	N	N	N	N	N	N	N	N	--	N	--
S321	N	30	N	10	N	200	N	N	--	N	--
S335*	N	N	N	N	N	N	N	N	--	50	--
S346	N	N	N	N	N	N	N	N	--	N	--
S364	N	N	N	N	N	150	N	N	--	N	--
S381	N	N	N	N	N	N	N	N	--	<5	--
S403*	N	N	N	N	N	N	N	N	--	N	--
S430	N	N	N	N	N	N	N	N	--	N	--
S439	N	N	N	N	N	N	N	N	--	N	--
S438	N	10	N	N	N	150	N	N	--	<5	--
S509	N	N	N	N	N	30	N	N	--	N	--
T006	<100	<10	N	N	N	50	N	--	--	15	N
T020	<100	10	N	N	N	20	N	--	--	55	N
T021	<100	10	N	N	N	20	N	--	--	25	.002
T026	<100	20	N	10	N	30	N	--	--	15	N
T033	<100	10	N	N	N	N	N	--	--	<5	N
T038	<100	10	N	N	N	N	N	--	--	<5	N



