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Analytical results and sample locality map
for rock samples from the Solomon, Bendeleben,
and southern part of the Kotzebue quadrangles,
western Alaska

by

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1. Anchorage, Alaska
2. Denver, Colorado

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Introduction

Chemical analyses and a sample location map are presented here for 1633 rock samples collected in the Solomon, Bendeleben, and the southern part of the Kotzebue quadrangles, western Alaska (figure 1). These samples were collected during field work (1981-1984) for the Alaska Mineral Resource Assessment Program (AMRAP) studies of these quadrangles. AMRAP studies are required by the Alaska National Interest Lands Conservation Act (ANILCA) to evaluate the resource potential of certain Federal lands in Alaska.

A preliminary geologic map and fossil data have been published by Till and others (1986). Analytical results of stream sediment and pan concentrate samples collected during this study have been published by Arbogast and others (1985).

Geology

The bedrock geology of the Solomon, Bendeleben, and southern part of the Kotzebue quadrangles is comprised largely of metamorphic and intrusive rocks (Till and others, 1986). Considerable portions of the area are covered by Tertiary and Quaternary unconsolidated sediments and volcanic rocks. Cretaceous and Tertiary sedimentary rocks occur in the Kugruk fault zone along the east side of the map area.

The metamorphic rocks are mostly of blueschist facies with a pronounced greenschist facies overprint. Amphibolite facies rocks, in part upgraded equivalents of the lower grade rocks, predominate in the Kigluaik, Bendeleben, and Darby Mountain ranges. Dominant lithologies are quartz-mica pelitic schists, calc-schists, marbles, and mafic volcanic and volcanoclastic schists. Fossils indicate a Cambrian to Devonian age for most metamorphic protoliths, and radiometric data indicate a Late Jurassic to Early Cretaceous age for metamorphism.

Intrusive rocks are chiefly biotite- and biotite-hornblende-bearing stocks and plutons; pyroxene is common in alkaline intrusives. K-Ar age determinations range from 108 ± 3 Ma for the alkaline syenites and monzonites to 70 ± 2 Ma for a calc-alkalic to alkali-calcic granite complex. Intermediate age intrusives are mostly alkali-calcic granites, granodiorites, and quartz monzonites. Mafic to felsic dikes and pegmatites of Cretaceous and Tertiary (?) age are most common in the mountain ranges.

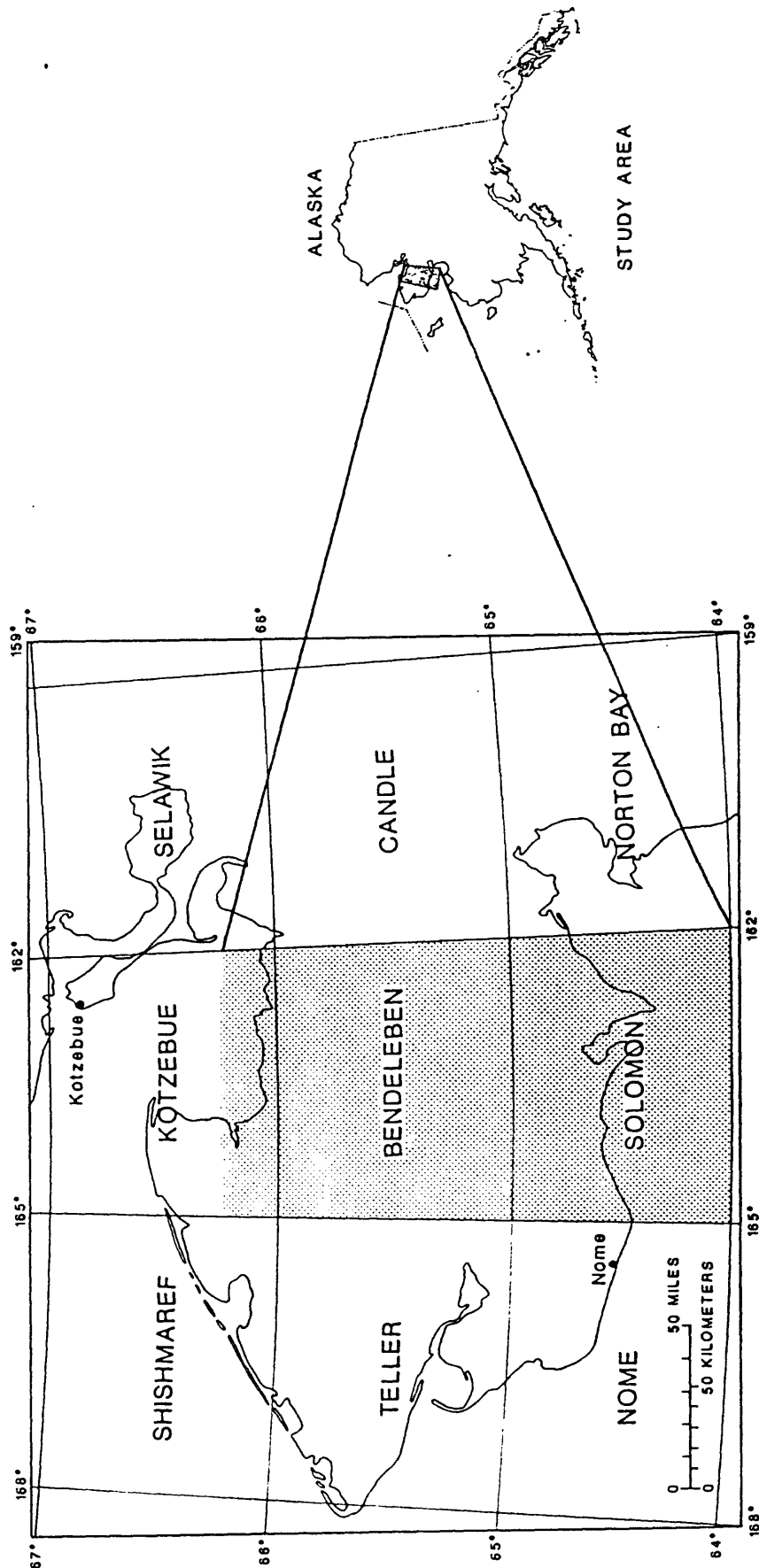


FIGURE 1 INDEX MAP SHOWING LOCATION OF THE SOLOMON, BENDELEBEN, AND SOUTHERN PART OF THE KOTZEBUE QUADRANGLES, SEWARD PENINSULA, ALASKA

Sampling Techniques and Analytical Methods

Two sampling techniques were used to collect the rock samples. Where possible, several chips of the same lithology were collected over an area of about 25 square meters. In many cases, due to poor exposures or limited amount of material available, a single grab sample was collected. Most samples weighed between 200 and 400 grams.

All rocks were crushed and pulverized to minus 150 mesh with ceramic plates. Separate splits of each sample were then analyzed by each of the analytical techniques used. All rock samples were analyzed for 31 elements using the semi-quantitative six-step direct-current emission spectrographic method of Grimes and Marranzino (1968). The semiquantitative emission spectrographic analyses are reported in six steps per order of magnitude. These steps are the approximate midpoints of the class intervals shown below:

Reported value	Class interval
1.0	0.83 --- 1.2
1.5	1.2 --- 1.8
2.0	1.8 --- 2.6
3.0	2.6 --- 3.8
5.0	3.8 --- 5.6
7.0	5.6 --- 8.3
10.0 etc.	8.3 --- 12.0 etc.

Motooka and Grimes (1976) evaluated the precision of semi-quantitative emission spectrographic analyses; repeatability of a determination within plus and minus one and two reported values is approximately 83 and 96 percent respectively.

As, Bi, Cd, Sb, and Zn were also determined using the atomic absorption analysis method of Viets and others (1984). Samples that were thought to contain high levels of Au or Hg were analyzed for Au by atomic absorption analysis (Thompson and others, 1968) and Hg by instrumental methods (Vaughn and McCarthy, 1964). Atomic absorption and instrumental analyses are not reported on a six step scale; the quantitative values reflect both the higher precision and lower determination limits of this method.

Table 1. lists the lower determination limit for each element. All analyses are reported in parts-per-million (ppm) except for Ca, Fe, Mg, and Ti, which are reported in weight percent.

Analyses were performed in U.S.G.S. laboratories in Denver, Colorado and Anchorage, Alaska. Analysts were S.J. Sutley, B.F. Arbogast, J.D. Hoffman, R.M. O'Leary, W.C. Martin, D.L. Kelley, J.L. Ryder, E.A. Bailey, and C.D. Taylor.

Table 1. Lower determination limits of atomic absorption and emission spectrographic analyses.
[ppm, parts-per-million; AA, atomic absorption; I, instrumental analysis; all other elements by emission spectrographic analysis]

Element	Lower Determination Limit		Element	Lower Determination Limit	
Ag	.5	ppm	Mg	.02	percent
As	200	ppm	Mn	10	ppm
As (AA)	10	ppm	Mo	5	ppm
Au	10	ppm	Nb	20	ppm
Au (AA)	.05	ppm	Ni	5	ppm
B	10	ppm	Pb	10	ppm
Ba	20	ppm	Sb	100	ppm
Be	1	ppm	Sb (AA)	2	ppm
Bi	10	ppm	Sc	5	ppm
Bi (AA)	1	ppm	Sn	10	ppm
Ca	.05	percent	Sr	100	ppm
Cd	20	ppm	Th	200	ppm
Cd (AA)	.1	ppm	Ti	.002	percent
Co	5	ppm	V	10	ppm
Cr	10	ppm	W	50	ppm
Cu	5	ppm	Y	10	ppm
Fe	.05	percent	Zn	200	ppm
Hg (I)	.02	ppm	Zn (AA)	5	ppm
La	20	ppm	Zr	10	ppm

Sample Codes

To aid in data sorting and interpretation, each sample was assigned a numeric code according to the type of rock collected. Table 2 lists the rock codes, and where applicable, lithologic units of Till and others (1986) that are included in each of the rock codes. The codes are listed in column 4 (gx code) of table 3.

The samples can be divided into two broad categories. Samples collected for background geochemistry (codes 1-20) were intended to characterize geochemical variations within and between major lithologic units in the area. The second category (codes 21-30) includes samples collected from atypical lithologies, and samples known or suspected to be mineralized. Samplers and their respective sample prefixes were: A.B. Till (TI), J.A. Dumoulin (DU and DN), B.M. Gamble (GE), D.S. Kaufman (KN), P.I. Carroll (CL), S.M. Karl (SK), and Brian Patrick (PK). The sample number also indicated the year the sample was collected (eg. 83AGe.... = 1983).

Analytical Results

Analytical results are tabulated in table 3. Emission spectrographic analyses have a S- prefix (eg. S-Mo), atomic absorption analyses have an AA- prefix (eg. AA-Zn), and instrumental mercury has an I- prefix. Analyses are reported in parts-per-million (ppm) except for Ca, Fe, Mg, and Ti, which are reported in percent.

Two elements that were analyzed for are not shown in table 3. S-Au was above the lower determination limit in only 4 samples - 30 ppm in 83Ge027a, and 50 ppm in 83Ge026a, 83Ge026d, and 83Ge140; and was detected but below the lower determination limit in an additional 4 samples - 83Ge138, 83Ge141, 84Ge041e, and 84Kn069. S-Th was at or above the lower determination limit in only 4 samples - 100 ppm in 84Ge050a, 150 ppm in 84Ge 075a, and 200 ppm in 82Du036c; and was detected, but below the lower determination limit, in 7 samples: 82Cl105c, 83Dn047a, 83Ge070a, 83Ge115a, 83Ge122, 83GHe147 and 83Ti142a.

The following abbreviations and symbols are used in Table 3.

- 1) Latitude and longitude are in degrees-minutes-seconds.
- 2) Quad. = The 1:63,360 quadrangle that the sample location is in; S = Solomon, B = Bendeleben, K = Kotzebue.
- 3) gx code = rock type (see table 2)
- 4) S = semiquantitative spectrographic analysis, AA = atomic absorption analysis, I = Instrumental analysis.
- 5) Standard chemical symbols are used for all elements.
- 6) -- element not analyzed for
N element not detected
< less than the value listed
> greater than the value listed

References Cited

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Table 2. Sample codes
[Symbols (Oimh, Kwc, etc.) indicate lithologic units of
Till and others (1986)]

Samples Collected for Background Geochemistry

Code

Metamorphic Rocks

- 1 undifferentiated high-grade metamorphic rocks (Oimh, Ocsh, OGxh, GpGsh, PzpGh, PzpGm, PzpGg, PzpGs, PzpGa, PzpGo)
- 2 Solomon Schist (CpGs)
- 3 Mixed unit - undifferentiated (OGx)
- 4 Mixed unit, graphitic quartz schists (part of OGx)
- 5 Mixed unit, pure marbles (part of OGx)
- 6 Mixed unit, impure marbles (part of OGx)
- 7 Mixed unit, pelitic schists (part of OGx)
- 8 Casadepaga Schist (Ocs)
- 9 Impure Chlorite Marble (Oim)
- 10 undifferentiated marbles, dolostones, and calc-schists (Od, Sd, DGks, DGbm, DObm, Ddm, Gd, Pzim, Pzwm, Pzm, Pzd)
- 11 metabasites (present in OGx, Ocs, and Oim)
- 12 Kiwalik Mountain orthogneiss (Dg)

Igneous rocks

- 13 intrusives - dominantly biotite-bearing (Kp, Kb, Kkz, Kae, Kcb, Kvb, Kd, Kfg, Kgu)
- 14 intrusives - dominantly hornblende-bearing (Kku, Kwc, MzPzt)
- 15 intrusives - dominantly pyroxene-bearing (Knh)
- 16 undifferentiated and indeterminate dikes (Tm)
- 17 felsic dikes of the Bendeleben Mountains (Ta)
- 18 pegmatite dikes and sills (Kpg)
- 19 basaltic volcanics (Qlj, Qv, QTv)

Sedimentary Rocks

- 20 Undifferentiated sedimentary rocks (TKs, TKc)

Other Samples

- 21 rocks with non-economic metallic minerals (pyrite...)
- 22 rocks with economic metallic minerals (galena...)
- 23 altered rocks
- 24 gossans
- 25 hornfelsed rocks
- 26 metamorphic veins (boudins, lenses...) with metallic minerals
- 27 metamorphic veins without metallic minerals
- 28 unmetamorphosed veins with metallic minerals
- 29 unmetamorphosed veins without metallic minerals
- 30 rocks that do not fit into any of the above categories

Table 3. Analytical results for rock samples from the Solomon, Bendeleben, and southern part of the Kotzebue quadrangles, western Alaska.

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
81TI036	64 50 37	163 53 43	S D-4	2	N	N	N	N	200	500	1.0
81TI038A	64 50 59	163 53 25	S D-4	2	N	N	N	--	200	500	2.0
81TI042	64 53 19	163 54 47	S D-4	2	N	N	N	--	200	150	1.5
81TI047	64 53 38	163 53 47	S D-4	4	N	N	N	N	<10	<20	N
81TI049	64 53 47	163 53 20	S D-4	4	N	N	N	--	150	2,000	N
81TI051A	64 53 57	163 53 8	S D-4	11	.5	N	N	--	<10	<20	N
81TI057	64 54 31	163 50 59	S D-4	11	N	N	N	--	<10	<20	N
81TI058A	64 54 40	163 51 9	S D-4	11	N	N	<10	N	<10	50	N
81TI058C	64 54 40	163 51 9	S D-4	8	N	N	N	--	20	300	1.0
81TI063	64 54 20	163 42 14	S D-4	5	N	N	N	--	N	<20	N
81TI071	64 55 12	163 42 58	S D-4	6	N	N	N	--	N	<20	N
81TI074A	65 29 40	162 13 24	B B-1	12	N	N	N	--	10	700	5.0
81TI074B	65 29 40	162 13 24	B B-1	12	N	N	N	--	10	500	3.0
81TI078	65 28 53	162 13 48	B B-1	12	N	N	N	--	10	5,000	3.0
81TI080A	65 28 40	162 13 44	B B-1	7	N	N	N	--	10	1,500	2.0
81TI081A	65 28 43	162 14 15	B B-1	12	N	N	N	--	<10	700	3.0
81TI081B	65 28 43	162 14 15	B B-1	7	N	N	N	--	20	500	3.0
81TI083	65 28 28	162 14 2	B B-1	7	N	N	N	--	10	2,000	2.0
81TI084	65 28 26	162 14 25	B B-1	4	N	N	<10	--	150	1,500	2.0
81TI085A	65 28 16	162 14 38	B B-1	6	N	N	N	--	N	20	<1.0
81TI088	65 28 0	162 15 10	B B-1	12	N	N	N	--	10	500	2.0
81TI090A	65 27 50	162 15 26	B B-1	23	N	N	N	--	<10	50	3.0
81TI090B	65 27 50	162 15 26	B B-1	23	<.5	N	N	--	<10	<20	5.0
81TI091	65 27 51	162 15 43	B B-1	30	N	N	N	--	<10	500	3.0
81TI096A	65 14 53	162 14 48	B A-1	30	N	N	N	--	10	500	N
81TI099A	65 33 29	162 11 4	B C-1	21	N	N	N	--	10	500	3.0
81TI101A	65 32 27	162 9 55	B C-1	12	N	N	N	--	10	500	5.0
81TI102A	65 32 52	162 9 5	B C-1	7	N	N	N	--	<10	1,000	2.0
81TI103A	65 32 48	162 7 41	B C-1	6	N	N	N	--	N	<20	<1.0
81TI106	65 32 44	162 6 37	B C-1	7	N	N	N	--	100	500	2.0
81TI109	65 31 46	162 5 52	B C-1	7	N	N	N	--	<10	700	2.0
81TI110B	65 31 54	162 4 40	B C-1	7	N	N	N	--	<10	2,000	5.0
81TI111	65 33 44	162 4 30	B C-1	7	N	N	N	--	150	1,500	2.0
81TI112A	65 33 50	162 5 0	B C-1	12	N	N	N	--	30	700	2.0
81TI112B	65 33 50	162 5 0	B C-1	12	N	N	N	--	20	1,500	5.0
81TI114A	65 33 57	162 6 30	B C-1	7	N	N	10	--	<10	500	<1.0
81TI116C	65 32 41	162 2 21	B C-1	21	N	N	N	--	<10	500	5.0
81TI118	65 31 36	162 9 14	B C-1	21	N	N	N	--	<10	500	5.0
81TI119A	65 30 11	162 11 34	B C-1	12	N	N	N	--	10	200	5.0
81TI119B	65 30 11	162 11 34	B C-1	12	N	N	N	--	<10	20	5.0
81TI120	65 27 27	162 37 25	B B-2	30	N	N	N	--	10	50	1.0
81TI120A	65 27 27	162 37 25	B B-2	30	N	N	10	--	<10	70	<1.0
81TI123C	65 15 2	163 14 16	B B-3	18	<.5	N	N	--	10	200	20.0
81TI124D	65 16 0	163 13 39	B B-3	14	N	N	N	--	30	200	2.0
81TI126A	65 10 13	163 24 14	B A-3	1	N	N	N	--	500	700	1.0

Sample	S-BI	AA-BI	S-CAZ	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
81TI036	N	N	.10	N	.20	50	150	100	7.00	--	200	1.50	500	N	<20
81TI038A	N	N	<.05	N	.20	30	150	100	5.00	--	200	1.50	700	N	N
81TI042	N	N	.50	N	.10	30	100	50	5.00	--	50	1.50	500	N	<20
81TI047	N	N	1.50	N	<.10	30	200	N	7.00	--	200	7.00	300	N	N
81TI049	N	N	.20	N	<.10	10	50	10	1.00	--	N	.50	50	7	N
81TI051A	N	N	1.00	N	<.10	100	200	70	7.00	--	N	3.00	1,000	N	N
81TI057	N	N	1.00	N	<.10	70	100	150	10.00	--	N	3.00	1,000	N	<20
81TI058A	N	N	1.00	N	<.10	100	100	150	15.00	--	N	5.00	1,000	N	<20
81TI058C	N	N	2.00	N	.10	50	100	100	10.00	--	<20	2.00	1,000	N	<20
81TI063	N	N	15.00	N	.10	<5	10	<5	.50	--	N	1.50	200	N	N
81TI071	N	N	15.00	N	<.10	N	<10	5	.10	--	N	.50	30	N	N
81TI074A	N	N	1.00	N	.10	N	<10	<5	.30	--	20	.20	100	N	<20
81TI074B	N	N	2.00	N	.10	N	<10	<5	.30	--	20	.20	150	10	<20
81TI078	N	N	.50	N	.10	N	<10	<5	.70	--	20	.20	150	N	<20
81TI080A	N	N	1.50	N	.20	5	100	<5	1.00	--	N	1.00	200	10	N
81TI081A	N	N	<.05	N	.10	N	<10	<5	.70	--	N	.20	50	5	N
81TI081B	N	N	.05	N	.10	N	10	<5	1.00	--	N	.20	70	<5	N
81TI083	N	N	2.00	N	.20	20	200	15	5.00	--	N	3.00	500	N	N
81TI084	N	N	.10	N	.90	5	30	50	1.00	--	N	.70	100	20	N
81TI085A	N	N	>20.00	N	.70	N	10	5	.50	--	N	2.00	300	N	N
81TI088	N	N	.70	N	.10	<5	<10	<5	1.50	--	20	.50	500	<5	<20
81TI090A	N	N	5.00	N	.20	5	<10	5	5.00	--	<20	1.50	1,000	N	<20
81TI090B	N	N	5.00	N	4.70	15	70	50	5.00	--	N	3.00	1,500	N	N
81TI091	N	N	3.00	N	.40	<5	100	5	1.00	--	N	2.00	1,000	<5	N
81TI096A	N	N	1.00	N	.20	100	150	150	10.00	--	N	3.00	1,000	N	N
81TI099A	N	N	.05	N	.10	<5	10	10	2.00	--	<20	.30	100	<5	<20
81TI101A	N	N	.30	N	.30	N	<10	<5	1.00	--	20	.70	200	N	<20
81TI102A	N	N	1.00	N	1.60	20	<10	7	5.00	--	<20	1.00	1,000	N	N
81TI103A	N	N	>20.00	N	.10	N	10	<5	.20	--	N	3.00	500	N	N
81TI106	N	N	5.00	N	.40	10	70	50	3.00	--	20	1.00	1,000	N	N
81TI109	N	N	1.00	N	.50	20	30	30	5.00	--	N	2.00	1,000	N	<20
81TI110B	N	N	1.50	N	.40	<5	<10	<5	1.50	--	20	.70	700	N	20
81TI111	N	N	.20	N	.10	10	100	5	5.00	--	N	1.00	500	N	N
81TI112A	N	N	.20	N	.40	<5	<10	<5	.70	--	50	.20	500	5	<20
81TI112B	N	N	.05	N	N	<5	<10	<5	2.00	--	<20	.70	300	N	20
81TI114A	N	N	5.00	N	.20	30	150	20	5.00	--	N	3.00	1,000	N	N
81TI116C	N	N	.50	N	.10	10	20	5	2.00	--	<20	2.00	300	N	<20
81TI118	N	N	.20	N	.10	N	<10	<5	1.00	--	N	.10	150	N	<20
81TI119A	N	N	.10	N	.10	N	<10	<5	.50	--	N	.02	30	N	<20
81TI119B	N	N	.20	N	.10	N	<10	<5	.70	--	N	.05	200	N	<20
81TI120	N	N	5.00	N	.10	50	30	10	7.00	--	N	2.00	1,000	N	N
81TI120A	N	N	3.00	N	<.10	50	100	70	10.00	--	N	2.00	1,500	N	<20
81TI123C	N	N	3.00	N	.20	N	<10	<5	.20	--	N	.30	200	N	N
81TI124D	N	N	10.00	N	.20	20	150	30	7.00	--	20	2.00	700	N	N
81TI126A	N	<1	1.00	N	.10	50	200	50	1.00	--	300	2.00	200	N	20

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
81TI036	100	50	N	<2	30	N	N	.500	200	N	50	<200	100	200
81TI038A	50	20	N	<2	30	N	N	.500	200	N	50	<200	55	150
81TI042	50	10	N	<2	20	N	<100	.500	200	N	50	N	65	200
81TI047	50	10	N	<2	30	N	<100	.500	100	N	100	<200	15	200
81TI049	20	<10	N	2	7	N	N	.200	200	N	10	N	30	100
81TI051A	100	20	N	<2	50	N	200	.300	200	N	20	<200	15	50
81TI057	30	<10	N	N	30	N	100	1.000	200	N	50	500	35	150
81TI058A	70	10	N	N	50	N	500	1.000	300	N	50	500	50	200
81TI058C	50	<10	N	N	20	N	500	.300	150	N	50	<200	55	100
81TI063	<5	N	N	<2	N	N	1,000	.030	10	N	<10	N	<5	10
81TI071	N	N	N	<2	N	N	1,000	.020	<10	N	N	N	<5	<10
81TI074A	<5	N	N	N	<5	10	500	.100	<10	N	50	<200	N	150
81TI074B	<5	<10	N	N	<5	10	500	.100	<10	N	50	<200	5	150
81TI07B	<5	<10	N	N	<5	10	300	.100	<10	N	50	<200	N	150
81TI080A	50	10	N	N	10	N	500	.200	200	N	20	<200	5	100
81TI081A	<5	20	N	N	<5	10	N	.070	<10	N	20	<200	10	100
81TI081B	<5	<10	N	N	N	N	N	.070	50	N	<10	<200	25	200
81TI083	70	10	N	N	15	N	200	.200	100	N	20	<200	20	100
81TI084	50	N	N	N	5	N	N	.200	500	N	<10	200	350	100
81TI085A	<5	150	N	N	N	N	1,000	.005	10	N	N	<200	35	<10
81TI088	<5	<10	N	N	<5	N	N	.150	<10	N	50	<200	10	200
81TI090A	10	20	N	N	15	N	500	.700	100	N	50	<200	35	200
81TI090B	50	150	N	N	10	N	300	.200	150	N	10	500	220	100
81TI091	20	50	N	N	10	N	500	.300	300	N	20	<200	50	100
81TI096A	100	<10	N	<2	50	N	N	.700	200	N	50	<200	25	50
81TI099A	<5	<10	N	N	5	N	N	.200	10	N	20	<200	15	200
81TI101A	<5	30	N	N	<5	<10	<100	.100	<10	N	50	<200	15	150
81TI102A	<5	150	N	N	20	N	N	.700	100	N	50	500	120	200
81TI103A	<5	50	N	N	N	N	500	.010	10	N	20	<200	20	<10
81TI106	50	50	N	N	10	N	500	.300	100	N	30	<200	30	150
81TI109	10	30	N	N	15	N	<100	.500	100	N	30	200	20	150
81TI110B	<5	30	N	N	<5	<10	300	.150	10	N	50	<200	<5	200
81TI111	15	30	N	N	15	N	N	.500	150	N	10	<200	15	200
81TI112A	<5	70	N	N	<5	N	200	.200	<10	N	100	N	30	200
81TI112B	<5	20	N	N	<5	10	N	.150	<10	N	10	<200	15	200
81TI114A	50	30	N	N	20	N	300	.200	150	N	20	<200	10	70
81TI116C	20	30	N	N	7	<10	200	.300	100	N	30	<200	N	150
81TI118	<5	30	N	N	<5	N	N	.070	<10	N	30	<200	N	100
81TI119A	<5	30	N	N	N	N	N	.070	<10	N	30	<200	N	100
81TI119B	<5	30	N	N	N	N	N	.070	<10	N	20	<200	10	100
81TI120	20	N	N	N	30	N	200	1.000	500	N	50	<200	10	100
81TI120A	100	N	N	N	50	N	300	.700	500	N	30	N	40	150
81TI123C	<5	50	N	N	<5	15	<100	.050	<10	N	15	<200	N	<10
81TI124D	70	15	N	N	20	N	700	.300	200	N	30	200	100	100
81TI126A	150	50	N	<2	30	N	N	.700	200	N	100	<200	75	300

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
81TI126B	65 10 13	163 24 14	B A-3	1	N	N	N	--	200	500	<1.0
81TI126C	65 10 13	163 24 14	B A-3	13	N	N	N	--	100	200	5.0
81TI126D	65 10 13	163 24 14	B A-3	21	N	N	N	--	50	1,000	2.0
81TI127	65 10 20	163 24 19	B A-3	13	<.5	N	N	--	500	300	7.0
81TI128	65 10 28	163 24 27	B A-3	1	N	N	N	--	1,000	2,000	5.0
81TI128C	65 10 28	163 24 27	B A-3	18	N	N	N	--	50	N	70.0
81TI129B	65 11 4	163 32 20	B A-4	18	N	N	N	--	70	N	100.0
81TI133D	65 11 40	163 38 42	B A-4	13	N	N	N	--	10	200	5.0
81TI137A	65 26 27	162 9 56	B B-1	7	N	N	N	--	<10	150	2.0
81TI141	65 25 52	162 12 20	B B-1	6	N	N	N	--	N	100	<1.0
81TI141B	65 25 52	162 12 20	B B-1	7	N	N	N	--	10	1,000	1.0
81TI142	65 25 40	162 12 21	B B-1	30	N	N	N	--	<10	200	3.0
81TI150	65 27 35	162 12 33	B B-1	12	N	N	N	--	<10	1,000	3.0
81TI153	65 26 40	162 10 1	B B-1	12	N	N	N	--	<10	1,000	3.0
81TI163	65 9 45	163 38 18	B A-4	13	N	N	N	--	20	1,500	1.0
81TI166A	65 13 55	163 43 51	B A-4	13	N	N	N	--	20	2,000	1.0
81TI176B	65 29 15	162 7 57	B B-1	21	N	N	N	--	10	1,000	2.0
81TI176C	65 29 15	162 7 57	B B-1	21	N	N	N	--	20	<20	1.0
81TI179	65 30 34	162 3 54	B C-1	10	N	N	N	--	N	50	<1.0
81TI187	65 33 34	162 9 23	B C-1	6	N	N	N	--	100	500	1.0
81TI188	65 33 41	162 9 21	B C-1	7	N	N	N	--	10	500	<1.0
81TI196	65 30 16	162 19 23	B C-1	30	N	N	N	--	20	2,000	3.0
81TI199A	65 34 14	162 10 53	B C-1	21	N	N	N	--	10	<20	1.0
81TI199B	65 34 14	162 10 53	B C-1	21	N	N	N	--	20	<20	1.0
81TI301	65 34 57	162 11 18	B C-1	2	N	N	N	--	700	2,000	5.0
81TI302	65 53 52	164 39 30	B D-6	4	<.5	N	<10	N	100	>5,000	2.0
81TI303	66 0 33	164 34 40	K A-6	30	N	N	N	--	30	200	3.0
81TI304	65 56 14	164 36 30	B D-6	4	N	N	<10	N	50	5,000	5.0
81TI307A	65 7 8	164 29 36	B A-5	1	N	N	N	--	10	20	N
81TI307B	65 7 8	164 29 36	B A-5	1	N	N	N	--	10	<20	N
81TI307C	65 7 8	164 29 36	B A-5	1	N	N	N	--	N	300	N
81TI313	65 33 50	162 13 4	B C-1	2	N	N	N	--	70	5,000	5.0
81TI315A	65 34 43	162 12 58	B C-1	23	N	N	30	--	100	500	3.0
81TI315B	65 34 43	162 12 58	B C-1	2	N	N	10	--	50	500	3.0
81TI320	65 35 12	162 15 3	B C-1	2	N	N	10	--	100	1,000	2.0
81TI321	65 25 48	163 5 54	B B-3	19	N	N	N	--	<10	50	N
81TI323	65 29 39	163 17 13	B B-3	19	N	N	N	--	10	150	N
81TI326A	65 55 26	164 38 21	B D-6	4	N	N	N	N	20	500	1.0
81TI327A	65 56 14	164 37 55	B D-6	30	N	N	10	--	<10	200	5.0
81TI330A	65 56 58	164 36 25	B D-6	30	N	N	N	--	50	300	10.0
81TI330C	65 56 58	164 36 25	B D-6	30	N	N	N	--	50	100	2.0
81TI331B	65 58 7	164 35 39	B D-6	30	N	N	N	--	10	<20	5.0
81TI344	64 26 14	164 59 46	S B-6	21	N	N	10	--	<10	<20	2.0
81TI350	64 27 20	164 57 10	S B-6	30	N	N	N	--	20	200	<1.0
81TI351F	65 13 10	163 47 2	B A-4	22	100.0	N	N	--	10	<20	10.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CD	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
81TI126B	N	<1	.05	N	.20	30	150	70	10.00	--	300	1.00	200	N	<20
81TI126C	N	<1	.20	N	.10	<5	N	<5	.50	--	N	.10	100	N	20
81TI126D	N	N	3.00	N	.40	20	100	50	5.00	--	<20	1.50	500	10	N
81TI127	N	3	.20	N	.20	<5	<10	<5	.50	--	<20	.20	200	N	N
81TI128	N	N	.20	N	<.10	<5	10	5	.50	--	N	.20	50	20	N
81TI128C	N	N	.30	N	N	N	N	<5	.50	--	N	.02	2,000	N	N
81TI129B	N	N	.15	N	N	N	N	N	.20	--	N	<.02	2,000	N	N
81TI133D	N	N	<.05	N	.10	N	<10	5	.70	--	N	.07	50	<5	50
81TI137A	N	N	2.00	N	.30	15	50	20	5.00	--	<20	1.50	500	N	<20
81TI141	N	N	20.00	N	.20	N	10	<5	.20	--	N	1.50	200	N	N
81TI141B	<10	<1	.20	N	<.10	20	10	N	2.00	--	200	1.00	300	N	<20
81TI142	N	N	2.00	N	.40	5	70	10	2.00	--	<20	1.00	700	N	<20
81TI150	N	N	.05	N	.20	N	<10	<5	.50	--	20	.05	10	N	20
81TI153	N	N	.20	N	.20	<5	<10	<5	1.00	--	20	.05	100	N	<20
81TI163	N	N	.70	N	<.10	15	20	N	5.00	--	150	1.00	500	N	<20
81TI166A	N	N	.70	N	<.10	5	10	N	2.00	--	50	.50	500	N	N
81TI176B	N	N	3.00	N	.60	50	50	30	10.00	--	20	1.00	1,000	N	N
81TI176C	N	N	5.00	N	.20	50	20	<5	10.00	--	N	1.50	>5,000	N	N
81TI179	N	N	20.00	N	.50	<5	50	<5	1.00	--	N	.70	1,000	N	N
81TI187	N	N	20.00	N	.60	5	50	5	.70	--	N	2.00	300	N	N
81TI188	N	N	1.00	N	.30	20	150	N	5.00	--	50	1.50	700	N	<20
81TI196	N	N	2.00	N	.30	5	10	<5	5.00	--	<20	1.00	500	<5	<20
81TI199A	N	N	10.00	N	1.50	5	<10	20	10.00	--	N	1.00	700	N	N
81TI199B	N	N	10.00	N	1.70	10	<10	20	10.00	--	N	2.00	1,000	N	N
81TI301	N	N	.50	N	.30	<5	100	7	2.00	--	<20	1.00	200	N	<20
81TI302	N	<1	<.05	N	.10	10	100	30	.50	--	<20	.10	50	50	N
81TI303	N	<1	<.05	N	<.10	<5	N	N	.50	--	N	.05	20	N	70
81TI304	N	<1	<.05	N	.10	<5	50	20	.70	--	N	.20	200	<5	N
81TI307A	N	<1	2.00	N	<.10	100	500	70	7.00	--	N	5.00	1,000	N	N
81TI307B	N	N	2.00	N	.10	100	1,000	70	10.00	--	N	5.00	1,000	N	N
81TI307C	N	N	10.00	N	<.10	10	70	<5	1.50	--	20	2.00	300	N	N
81TI313	N	N	<.05	N	.70	<5	30	20	1.00	--	N	.20	50	20	N
81TI315A	N	N	.50	N	N	15	100	20	7.00	<.02	N	2.00	1,000	N	N
81TI315B	N	N	.30	N	N	15	100	20	7.00	.02	N	2.00	500	N	N
81TI320	N	N	.10	N	N	10	100	10	5.00	.02	N	2.00	700	N	N
81TI321	N	N	1.00	N	.10	50	200	50	10.00	--	N	2.00	500	N	N
81TI323	N	N	1.00	N	<.10	70	300	70	10.00	--	N	3.00	500	N	N
81TI326A	N	N	<.05	N	.10	20	200	50	10.00	--	N	.50	500	N	<20
81TI327A	N	N	<.05	N	N	N	<10	7	.70	<.02	N	.05	50	N	N
81TI330A	N	<1	.05	N	.10	<5	N	<5	1.00	--	50	.20	50	N	50
81TI330C	N	<1	<.05	N	.20	5	N	<5	.70	--	50	.10	70	N	100
81TI331B	N	N	.10	N	<.10	5	N	<5	.70	--	50	.05	100	N	70
81TI344	N	N	.30	N	N	5	20	10	7.00	<.02	70	5.00	500	N	N
81TI350	10	4	.20	N	.10	10	<10	5	2.00	--	200	.20	200	N	<20
81TI351F	N	N	3.00	>500	700.00	20	30	7,000	10.00	.10	N	2.00	1,500	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
81TI126B	100	50	N	<2	20	N	N	.500	200	N	70	<200	15	200
81TI126C	5	100	N	<2	<5	50	N	.100	<10	N	30	N	40	50
81TI126D	70	20	N	N	20	N	500	.500	200	N	30	200	110	100
81TI127	5	100	N	<2	<5	30	N	.100	<10	N	10	N	35	50
81TI128	5	N	N	N	<5	N	N	.100	300	N	10	N	5	50
81TI128C	5	50	N	N	N	15	N	.002	10	N	15	N	15	70
81TI129B	<5	100	N	N	N	30	N	<.002	10	N	N	N	10	N
81TI133D	<5	30	N	N	N	15	N	.050	<10	N	50	<200	5	100
81TI137A	15	20	N	N	10	N	<100	.500	100	N	20	<200	20	150
81TI141	<5	<10	N	N	N	N	500	.020	10	N	<10	<200	20	<10
81TI141B	15	15	N	N	5	N	100	.200	30	N	50	N	10	200
81TI142	10	20	N	N	5	N	200	.500	70	N	30	<200	65	500
81TI150	<5	20	N	N	<5	N	N	.150	<10	N	30	<200	10	200
81TI153	<5	<10	N	N	<5	N	N	.100	<10	N	30	<200	20	200
81TI163	5	50	N	<2	10	N	700	.700	100	N	50	<200	60	300
81TI166A	5	100	N	N	<5	N	1,000	.200	20	N	20	N	15	150
81TI176B	30	50	N	N	10	N	300	.500	100	N	20	200	65	200
81TI176C	50	<10	N	N	5	N	500	.100	50	N	15	200	15	50
81TI179	5	100	N	N	5	<10	700	.100	50	N	15	<200	20	50
81TI187	5	20	N	N	5	N	700	.070	50	N	<10	<200	40	50
81TI188	50	30	N	N	15	N	<100	.500	100	N	50	N	50	200
81TI196	5	10	N	N	15	N	200	.500	30	N	50	<200	15	200
81TI199A	<5	50	N	N	N	N	100	.005	<10	50	<10	300	60	N
81TI199B	5	50	N	N	N	N	100	.020	20	N	<10	1,000	130	<10
81TI301	5	10	N	N	15	N	N	.500	200	N	20	<200	25	150
81TI302	7	150	N	<2	10	N	N	.300	1,000	N	20	N	<5	150
81TI303	<5	70	N	2	N	10	N	.050	<10	N	100	N	N	100
81TI304	5	20	N	N	10	N	N	.200	100	N	<10	N	10	100
81TI307A	100	N	N	<2	50	N	<100	.500	200	N	30	<200	N	50
81TI307B	100	10	N	<2	50	N	<100	.500	300	N	50	<200	<5	50
81TI307C	15	100	N	<2	10	N	1,500	.200	50	N	50	N	10	200
81TI313	20	20	N	N	5	N	N	.100	200	N	10	<200	45	70
81TI315A	70	30	N	N	20	N	<100	.700	150	N	30	<200	45	200
81TI315B	70	20	N	N	20	N	N	.700	150	N	50	<200	40	200
81TI320	20	30	N	N	10	N	<100	.500	100	N	20	<200	40	100
81TI321	100	N	N	<2	20	N	300	1.000	100	N	30	<200	40	150
81TI323	100	<10	N	N	20	N	200	1.000	100	N	30	<200	20	150
81TI326A	70	30	N	N	20	N	N	.700	200	N	30	<200	<5	200
81TI327A	<5	30	N	N	N	10	N	.050	<10	N	20	<200	30	100
81TI330A	<5	70	N	<2	N	20	N	.100	10	N	100	N	15	150
81TI330C	7	100	N	N	N	10	N	.070	<10	N	200	N	25	100
81TI331B	5	70	N	<2	N	20	N	.070	<10	N	150	N	20	200
81TI344	5	20	N	N	7	10	N	.100	30	N	50	<200	20	150
81TI350	5	100	N	N	5	20	500	.200	20	N	50	N	20	150
81TI351F	30	>20,000	N	12	<5	N	N	.070	70	N	10	>10,000	34,000	10

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
81T1351G	65 13 10	163 47 2	B A-4	22	100.0	N	N	--	10	<20	10.0
81T1362A	64 53 41	164 56 57	S D-6	7	N	N	N	--	200	300	1.0
81T1362B	64 53 38	164 57 12	S D-6	4	N	N	N	N	200	200	<1.0
82CL002A	64 52 33	164 10 54	S D-5	7	N	N	N	--	<10	500	N
82CL003B	64 52 15	164 10 32	S D-5	4	N	N	N	--	300	5,000	2.0
82CL006	64 51 36	164 10 20	S D-5	30	N	N	N	--	15	300	<1.0
82CL008	64 51 5	164 10 21	S D-5	7	N	N	N	N	50	300	2.0
82CL013	64 52 20	164 9 0	S D-5	7	N	N	10	--	70	150	2.0
82CL030B	64 45 52	164 1 31	S D-5	8	N	N	N	--	10	<20	N
82CL037D	64 50 41	163 59 7	S D-4	30	N	N	N	--	100	50	1.0
82CL044A	64 51 30	164 1 42	S D-5	2	N	N	N	--	200	300	1.0
82CL047A	65 10 59	162 36 48	B A-2	14	N	N	N	--	30	2,000	1.0
82CL047C	65 10 43	162 36 58	B A-2	13	N	N	N	--	20	1,500	<1.0
82CL049A	65 13 31	163 50 13	B A-4	27	N	N	N	--	50	200	10.0
82CL054	64 49 58	164 0 38	S D-5	21	N	N	N	--	100	500	1.0
82CL059A	65 13 6	164 0 35	B A-5	1	N	N	N	--	200	500	2.0
82CL059B	65 12 58	164 0 47	B A-5	1	N	N	N	--	200	700	1.5
82CL059C	65 12 56	164 0 30	B A-5	1	N	N	N	--	N	1,500	N
82CL059D	65 12 56	164 0 30	B A-5	28	1.0	N	N	N	200	200	20.0
82CL060B	65 12 22	163 59 24	B A-4	1	.5	N	N	N	70	1,000	N
82CL066A	64 57 46	164 58 52	S D-6	10	N	N	N	--	10	1,000	N
82CL067	64 57 26	164 58 43	S D-6	2	N	N	N	--	<10	300	N
82CL068B	64 57 2	164 56 28	S D-6	7	N	N	N	--	50	500	2.0
82CL070A	65 10 55	163 31 20	B A-4	1	N	N	N	--	200	500	N
82CL071A	65 9 28	163 30 57	B A-4	18	N	N	N	--	50	5,000	2.0
82CL073E	64 49 26	164 34 5	S D-6	21	N	N	N	N	20	<20	N
82CL086B	64 43 34	164 47 9	S C-6	8	N	N	N	N	20	500	N
82CL105C	64 53 41	164 39 56	S D-6	21	N	N	30	--	<10	50	<1.0
82DU012	64 54 5	164 5 52	S D-5	10	N	N	N	--	10	<20	1.0
82DU013A	64 57 12	163 38 14	S D-4	9	N	N	N	--	<10	<20	N
82DU021A	65 8 40	163 52 45	B A-4	1	N	N	N	--	20	500	<1.0
82DU021B	65 8 40	163 52 45	B A-4	3	N	N	N	--	50	1,500	<1.0
82DU022B	65 8 46	163 52 4	B A-4	21	N	N	N	--	30	500	1.0
82DU022C	65 8 46	163 52 4	B A-4	21	N	N	N	--	10	500	5.0
82DU023A	65 9 5	163 51 53	B A-4	1	N	N	N	--	<10	100	N
82DU023B	65 9 5	163 51 53	B A-4	1	N	N	N	--	200	500	<1.0
82DU024A	65 9 12	163 52 4	B A-4	6	N	N	N	--	10	2,000	3.0
82DU025	64 56 2	163 28 43	S D-3	9	N	N	N	--	15	50	N
82DU026	64 34 40	163 39 23	S C-4	8	N	N	N	--	N	20	N
82DU035A	65 3 29	162 32 26	B A-2	3	N	N	N	--	50	1,000	2.0
82DU035B	65 3 29	162 32 26	B A-2	3	N	N	N	--	70	1,000	2.0
82DU036A	65 3 18	162 32 17	B A-2	3	N	N	N	--	N	1,000	N
82DU036B	65 3 18	162 32 17	B A-2	3	N	N	N	--	N	N	N
82DU036C	65 3 18	162 32 17	B A-2	24	10.0	N	10	--	50	500	1.0
82DU036D	65 3 18	162 32 17	B A-2	12	N	N	N	--	20	1,500	2.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CD	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
81TI351G	N	N	2.00	500	110.00	20	50	10,000	10.00	.22	N	2.00	1,000	N	N
81TI362A	N	N	.05	N	<.10	50	200	50	7.00	--	50	1.50	500	N	<20
81TI362B	N	<1	.50	N	.10	50	200	50	7.00	--	50	2.00	500	N	<20
82CL002A	N	N	>20.00	N	N	<5	20	10	.50	--	N	1.50	70	N	N
82CL003B	N	N	.10	N	.20	5	70	100	2.00	--	N	.50	700	<5	N
82CL006	N	N	.30	N	<.10	50	<10	50	10.00	--	N	3.00	1,000	N	<20
82CL008	N	N	2.00	N	N	15	100	100	3.00	--	N	1.00	1,000	N	N
82CL013	N	N	1.00	N	.20	15	50	70	2.00	--	N	1.00	300	N	N
82CL030B	N	N	2.00	N	.20	70	500	70	7.00	--	N	5.00	1,000	N	N
82CL037D	N	N	5.00	N	.20	20	70	<5	5.00	--	N	5.00	700	N	N
82CL044A	N	N	.30	N	N	10	50	5	2.00	--	<20	1.50	100	N	N
82CL047A	N	N	.70	N	<.10	10	15	10	2.00	--	200	.50	500	20	20
82CL047C	N	N	.10	N	.40	10	<10	<5	1.00	--	100	.30	500	N	N
82CL049A	N	N	.50	N	.10	<5	<10	<5	.70	--	N	.10	1,000	N	N
82CL054	N	N	20.00	N	<.10	5	50	10	2.00	--	N	2.00	200	N	N
82CL059A	N	N	<.05	N	.20	30	150	50	5.00	--	100	1.50	300	N	<20
82CL059B	N	N	.05	N	N	50	150	<5	5.00	--	20	1.50	500	N	<20
82CL059C	N	N	.70	N	.10	10	200	N	10.00	--	100	3.00	1,000	N	<20
82CL059D	N	N	3.00	N	.30	20	200	100	5.00	--	20	.70	300	N	<20
82CL060B	N	N	<.05	N	.30	<5	50	50	.50	--	N	.50	50	30	N
82CL066A	N	N	>20.00	N	.10	5	50	7	1.00	--	N	2.00	300	N	N
82CL067	N	N	>20.00	N	.60	5	20	N	1.00	--	N	10.00	1,000	N	N
82CL068B	N	N	.50	N	<.10	30	100	5	5.00	--	<20	2.00	1,000	N	N
82CL070A	N	N	.05	N	N	70	200	<5	10.00	--	100	5.00	500	10	<20
82CL071A	N	1	.50	N	.20	5	<10	N	1.50	--	150	.50	200	N	N
82CL073E	N	N	2.00	N	<.10	100	100	70	10.00	--	N	3.00	1,000	N	N
82CL086B	N	N	5.00	N	.10	30	150	50	2.00	--	N	3.00	500	N	N
82CL105C	N	N	7.00	N	N	30	50	20	7.00	--	N	2.00	>5,000	N	N
82DU012	N	N	15.00	N	N	<5	<10	7	.50	--	N	.10	1,000	N	N
82DU013A	N	N	20.00	N	<.10	<5	30	<5	.50	--	N	2.00	200	N	N
82DU021A	N	N	5.00	N	<.10	30	150	<5	7.00	--	100	5.00	700	N	N
82DU021B	N	N	.70	N	N	10	<10	N	1.00	--	100	.20	200	N	N
82DU022B	N	N	3.00	N	.10	50	50	70	10.00	--	N	2.00	1,000	N	N
82DU022C	N	N	.30	N	<.10	<5	<10	<5	1.00	--	N	.10	500	N	N
82DU023A	N	N	1.50	N	<.10	100	100	100	10.00	--	N	3.00	1,000	N	N
82DU023B	N	N	.20	N	N	20	100	50	5.00	--	100	1.00	500	N	N
82DU024A	N	N	1.50	N	.10	15	50	20	7.00	--	100	2.00	1,000	N	20
82DU025	N	N	>20.00	N	N	5	50	20	.50	--	N	2.00	100	N	N
82DU026	N	N	>20.00	N	.10	N	<10	<5	.20	--	N	.50	300	N	N
82DU035A	N	N	5.00	N	<.10	10	100	30	3.00	--	20	2.00	700	N	N
82DU035B	N	N	3.00	N	.20	20	150	5	5.00	--	50	2.00	700	N	N
82DU036A	N	N	>20.00	N	.20	N	15	5	.70	--	N	1.50	150	N	N
82DU036B	N	N	>20.00	N	.10	N	N	N	.10	--	N	3.00	100	N	N
82DU036C	N	N	10.00	100	14.00	<5	15	7	10.00	--	N	.30	>5,000	<5	N
82DU036D	N	N	10.00	N	.30	20	100	50	3.00	--	<20	2.00	500	10	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
81TI351G	50	>20,000	N	14	5	20	300	.150	70	N	15	>10,000	8,000	70
81TI362A	100	50	N	N	20	N	N	.700	200	N	50	<200	65	200
81TI362B	100	50	N	<2	20	N	N	.700	200	N	50	<200	60	200
82CL002A	5	10	N	N	N	N	700	.050	20	N	<10	<200	5	<10
82CL003B	70	15	N	2	10	N	N	.200	100	N	10	<200	80	100
82CL006	5	10	N	N	50	N	300	>1.000	500	N	30	200	60	150
82CL008	50	30	N	N	10	N	300	.200	100	N	20	<200	30	150
82CL013	50	10	N	10	7	N	N	.500	70	N	30	<200	30	200
82CL030B	150	20	N	N	30	N	100	.300	150	N	50	N	30	100
82CL037D	50	30	N	N	10	N	200	.150	100	N	20	<200	50	100
82CL044A	50	<10	N	N	10	N	N	.500	50	N	30	<200	15	200
82CL047A	15	100	N	N	<5	<10	1,500	.200	20	N	10	N	20	200
82CL047C	5	30	N	N	N	N	500	.200	15	N	50	N	50	200
82CL049A	5	50	N	N	<5	N	N	.020	<10	N	30	<200	20	100
82CL054	15	30	N	N	5	N	1,000	.150	50	N	15	<200	35	70
82CL059A	100	N	N	N	20	N	N	.500	100	N	50	N	10	200
82CL059B	100	20	N	N	20	N	N	.500	100	N	50	N	50	200
82CL059C	200	70	N	N	10	N	<100	1.000	500	N	20	N	45	1,000
82CL059D	50	20	N	N	10	30	300	.500	100	N	50	<200	35	200
82CL060B	20	10	N	4	5	N	N	.200	500	N	<10	N	65	100
82CL066A	15	20	N	N	10	N	1,000	.100	70	N	15	N	15	30
82CL067	10	15	N	N	10	N	500	.070	50	N	30	N	20	30
82CL068B	50	20	N	N	20	N	N	.500	150	N	20	<200	65	100
82CL070A	150	N	N	N	30	N	N	.500	200	N	50	<200	15	200
82CL071A	5	70	N	N	<5	N	1,000	.300	50	N	10	N	60	200
82CL073E	70	20	N	N	50	N	700	1.000	300	N	30	200	45	70
82CL086B	50	20	N	N	15	N	500	.300	100	N	20	N	20	100
82CL105C	20	20	N	30	5	N	200	.100	70	N	20	<200	30	10
82DU012	5	<10	N	N	N	N	200	.010	10	N	N	<200	5	<10
82DU013A	<5	<10	N	N	N	N	1,000	.050	10	N	<10	<200	5	<10
82DU021A	20	70	N	N	20	N	1,000	.500	150	N	100	N	30	200
82DU021B	5	100	N	N	N	N	1,000	.200	15	N	50	N	30	150
82DU022B	50	30	N	N	30	N	200	.700	200	N	50	<200	60	100
82DU022C	<5	50	N	N	N	N	N	.070	<10	N	50	<200	45	100
82DU023A	50	N	N	N	50	N	N	>1.000	500	N	100	200	35	150
82DU023B	15	10	N	N	20	N	200	.500	100	N	70	N	60	200
82DU024A	10	30	N	N	15	N	700	.700	100	N	50	<200	95	500
82DU025	5	20	N	N	<5	N	1,500	.050	20	N	<10	<200	10	10
82DU026	<5	N	N	4	N	N	200	.002	<10	N	N	<200	10	<10
82DU035A	50	20	N	N	10	N	200	.500	70	N	30	<200	10	200
82DU035B	100	30	N	N	10	N	300	.700	100	N	50	<200	25	1,000
82DU036A	5	15	N	N	N	N	1,500	.050	30	N	N	N	10	30
82DU036B	N	10	N	N	N	N	1,500	.200	20	N	N	N	5	10
82DU036C	5	200	N	4	N	N	200	.050	50	N	<10	3,000	4,700	N
82DU036D	50	20	N	N	10	N	1,000	.200	100	N	30	<200	15	100

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
82DU037C	65 3 2	162 32 2	B A-2	4	N	N	N	--	20	2,000	1.0
82DU038A	65 2 54	162 32 12	B A-2	21	N	N	N	--	15	1,000	2.0
82DU038B	65 2 54	162 32 12	B A-2	4	N	N	N	--	10	2,000	1.5
82DU039A	65 2 49	162 32 16	B A-2	3	1.0	N	N	N	70	5,000	5.0
82DU041A	65 2 36	162 32 39	B A-2	24	7.0	N	90	N	70	300	1.5
82DU041C	65 2 36	162 32 39	B A-2	1	N	N	N	--	10	1,500	2.0
82DU042A	65 2 22	162 33 6	B A-2	1	N	N	N	--	N	N	N
82DU042B	65 2 22	162 33 6	B A-2	24	10.0	<200	220	--	20	<20	<1.0
82DU043A	65 2 9	162 31 53	B A-2	3	N	N	N	--	N	N	N
82DU043B	65 2 9	162 31 53	B A-2	3	N	N	N	--	10	500	2.0
82DU045E	65 0 49	162 1 23	B A-1	10	N	N	N	--	N	20	N
82DU047A	65 1 12	162 2 18	B A-1	20	N	N	N	--	20	300	N
82DU049A	65 11 11	162 6 11	B A-1	20	N	N	N	--	N	20	N
82DU056	65 9 11	162 8 58	B A-1	10	<.5	N	N	--	N	N	N
82DU065B	65 50 5	164 23 14	B D-5	10	N	N	N	N	<10	20	<1.0
82DU066	65 50 16	164 24 35	B D-5	10	N	N	N	N	N	<20	N
82DU068	65 37 16	164 33 18	B C-6	30	N	N	N	--	100	300	2.0
82DU070A	65 46 25	162 46 18	B D-2	10	N	N	N	--	N	N	N
82DU071A	65 48 0	162 46 0	B D-2	10	N	N	N	--	N	N	N
82DU073A	65 47 39	162 44 56	B D-2	10	N	N	N	--	N	20	N
82DU074	65 55 43	162 35 33	B D-2	10	N	N	N	--	N	N	N
82DU076	65 53 58	162 35 18	B D-2	10	N	N	N	--	N	<20	N
82TI003B	64 49 58	164 11 17	S D-5	23	N	N	N	N	10	150	N
82TI005	64 49 35	164 11 32	S D-5	4	N	N	N	N	150	3,000	1.0
82TI016	64 40 44	164 31 11	S C-6	7	N	N	10	N	150	300	3.0
82TI019	64 40 29	164 29 48	S C-5	7	N	N	10	--	100	200	2.0
82TI022A	64 43 26	164 30 17	S C-6	22	N	N	30	.05	20	<20	<1.0
82TI023	64 46 31	164 13 32	S D-5	4	N	N	N	N	150	1,500	2.0
82TI026	64 47 7	164 12 16	S D-5	11	N	N	N	--	20	100	N
82TI026A	64 47 7	164 12 16	S D-5	11	N	N	N	N	15	20	<1.0
82TI026B	64 47 7	164 12 16	S D-5	11	N	N	<10	--	<10	<20	N
82TI026C	64 47 7	164 12 16	S D-5	8	N	N	N	N	10	300	N
82TI027B	64 47 21	164 14 46	S D-5	5	N	N	N	--	70	1,500	2.0
82TI028A	64 47 30	164 14 10	S D-5	6	N	N	N	--	20	150	N
82TI029	64 47 27	164 13 28	S D-5	4	N	N	10	--	100	1,500	3.0
82TI030B	64 48 4	164 13 21	S D-5	5	N	N	N	--	<10	500	<1.0
82TI032A	64 47 31	164 13 2	S D-5	11	N	N	<10	--	<10	<20	<1.0
82TI032D	64 47 31	164 13 2	S D-5	11	N	N	N	--	N	70	<1.0
82TI034	64 34 9	163 38 31	S C-4	5	N	N	N	--	N	<20	N
82TI035	64 34 9	163 39 1	S C-4	21	N	N	10	N	N	<20	N
82TI038A	64 34 9	163 39 52	S C-4	10	N	N	<10	--	10	50	1.0
82TI038C	64 34 9	163 39 52	S C-4	21	N	N	50	--	150	500	3.0
82TI040	64 49 24	164 12 15	S D-5	7	N	N	10	--	100	1,000	3.0
82TI044	64 49 6	164 12 24	S D-5	4	<.5	N	10	N	100	1,500	1.0
82TI047	64 48 13	164 12 33	S D-5	7	N	N	N	--	20	50	1.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
82DU037C	N	N	10.00	N	.10	50	50	50	7.00	--	200	3.00	1,000	N	<20
82DU038A	N	N	15.00	N	.30	20	100	30	5.00	--	N	5.00	500	10	N
82DU038B	N	N	5.00	N	1.20	70	150	30	7.00	--	100	3.00	1,000	N	N
82DU039A	N	N	.50	N	8.40	30	50	30	3.00	--	N	.70	1,500	20	N
82DU041A	N	N	.05	N	30.00	<5	20	50	10.00	--	N	.05	500	N	N
82DU041C	N	N	7.00	N	N	30	200	<5	5.00	--	N	3.00	2,000	N	N
82DU042A	N	N	>20.00	N	.10	N	N	N	<.05	--	50	1.00	15	N	N
82DU042B	N	N	7.00	N	2.50	<5	10	5	10.00	--	N	.50	>5,000	N	N
82DU043A	N	N	>20.00	N	N	N	N	N	.15	--	N	.70	70	N	N
82DU043B	N	N	5.00	N	.40	30	200	10	5.00	--	50	2.00	700	N	N
82DU045E	N	N	15.00	N	.10	N	20	5	.30	--	N	>10.00	100	N	N
82DU047A	N	N	3.00	N	.20	20	150	20	2.00	--	N	2.00	1,000	N	N
82DU049A	N	N	20.00	N	.20	N	15	<5	.20	--	N	10.00	100	N	N
82DU056	N	N	>20.00	N	.80	<5	20	5	1.00	--	N	3.00	200	N	N
82DU065B	N	N	5.00	N	.90	<5	10	50	2.00	--	N	5.00	1,000	N	N
82DU066	N	N	>20.00	N	.10	N	<10	5	.50	--	N	.50	500	N	N
82DU068	N	N	10.00	N	3.00	20	70	50	5.00	--	50	.50	1,000	N	N
82DU070A	N	N	10.00	N	N	N	<10	<5	.10	--	N	10.00	70	N	N
82DU071A	N	N	10.00	N	N	N	<10	<5	.20	--	N	10.00	70	N	N
82DU073A	N	N	15.00	N	.30	N	<10	5	.05	--	N	10.00	100	5	N
82DU074	N	N	2.00	N	.30	N	N	<5	N	--	N	3.00	10	N	N
82DU076	N	N	10.00	N	N	N	<10	<5	N	--	N	10.00	10	N	N
82TI003B	N	N	20.00	N	N	20	30	5	2.00	--	N	3.00	1,000	N	N
82TI005	N	N	.10	N	.20	7	30	20	1.50	--	N	1.00	100	7	N
82TI016	N	N	.05	N	N	10	150	50	5.00	--	N	1.50	1,000	N	50
82TI019	N	N	.05	N	.10	50	150	100	7.00	--	20	1.50	700	N	30
82TI022A	N	N	2.00	N	N	20	<10	100	10.00	--	N	1.00	1,500	N	N
82TI023	N	N	.05	N	N	<5	20	5	1.00	--	N	.20	50	<5	N
82TI026	N	N	3.00	N	.10	50	100	100	10.00	--	N	3.00	1,000	N	N
82TI026A	N	N	3.00	N	.10	50	70	70	10.00	--	N	2.00	1,000	N	N
82TI026B	N	N	3.00	N	.20	50	100	100	7.00	--	N	3.00	700	N	N
82TI026C	N	N	5.00	N	<.10	50	100	50	7.00	--	N	3.00	1,000	N	N
82TI027B	N	N	20.00	N	.10	10	70	50	1.50	--	N	1.50	700	N	N
82TI028A	N	N	>20.00	N	.20	N	15	7	.70	--	N	.70	200	N	N
82TI029	N	N	.10	N	N	<5	20	5	.20	--	N	.20	20	20	N
82TI030B	N	N	20.00	N	N	N	15	<5	.20	--	N	1.00	100	N	N
82TI032A	N	N	1.00	N	.20	50	100	150	10.00	--	20	2.00	1,000	<5	<20
82TI032D	N	N	5.00	N	N	100	500	150	10.00	--	N	5.00	2,000	N	N
82TI034	N	N	20.00	N	N	N	10	<5	.30	--	N	3.00	200	N	N
82TI035	N	N	>20.00	N	N	<5	10	7	.30	--	N	5.00	200	N	N
82TI038A	N	N	3.00	N	.40	20	100	70	5.00	--	50	2.00	1,000	N	N
82TI038C	N	N	.50	N	.20	20	100	30	5.00	--	N	1.00	500	N	N
82TI040	N	N	2.00	N	.10	10	100	20	3.00	--	20	1.50	1,000	N	<20
82TI044	N	N	.05	N	.50	10	50	30	1.50	--	N	.50	200	15	N
82TI047	N	N	.10	N	N	15	100	<5	5.00	--	N	5.00	150	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
82DU037C	30	30	N	N	30	N	1,000	.500	200	N	30	<200	45	150
82DU038A	50	30	N	N	15	N	500	.300	100	N	30	<200	45	150
82DU038B	50	30	N	N	50	N	2,000	.700	500	N	50	200	270	200
82DU039A	70	500	N	14	7	N	N	.200	200	N	30	2,000	1,300	150
82DU041A	5	700	150	240	5	30	N	.070	50	N	<10	3,000	5,400	10
82DU041C	50	20	N	N	30	N	1,000	.700	200	N	70	N	10	200
82DU042A	N	N	N	N	N	N	300	.010	10	N	N	N	5	N
82DU042B	5	500	N	6	N	N	200	.200	20	N	N	3,000	5,800	N
82DU043A	N	N	N	N	N	N	300	.200	10	N	N	N	5	10
82DU043B	100	20	N	N	30	N	500	.700	200	N	70	<200	70	200
82DU045E	5	N	N	N	N	N	200	.020	10	N	N	N	5	<10
82DU047A	50	N	N	N	20	N	200	.200	150	N	20	N	35	50
82DU049A	5	N	N	N	N	N	200	.020	20	N	N	N	10	10
82DU056	5	100	N	N	N	N	<100	.020	10	N	10	<200	30	<10
82DU065B	10	500	N	N	<5	N	N	.020	10	N	N	<200	85	<10
82DU066	<5	30	N	2	N	N	500	.020	10	N	N	<200	10	<10
82DU068	70	50	N	38	15	N	<100	.200	100	N	100	<200	60	200
82DU070A	<5	N	N	N	N	N	N	.005	<10	N	N	N	5	N
82DU071A	<5	N	N	N	N	N	<100	.005	10	N	N	N	5	<10
82DU073A	15	N	N	N	N	N	<100	.005	100	N	<10	N	10	N
82DU074	N	N	N	N	N	N	N	N	10	N	<10	N	<5	N
82DU076	N	N	N	N	N	N	N	N	15	N	N	N	N	N
82TI003B	15	10	N	N	20	N	1,500	.300	150	N	30	N	20	70
82TI005	70	<10	N	N	10	N	N	.200	500	N	20	N	10	100
82TI016	50	20	N	N	20	N	N	.500	150	N	20	<200	65	500
82TI019	100	20	N	N	20	N	N	.700	200	N	50	<200	110	200
82TI022A	<5	30	N	N	20	N	700	.500	100	N	70	<200	35	200
82TI023	15	N	N	N	5	N	N	.150	150	N	<10	<200	70	70
82TI026	70	<10	N	N	50	N	500	>1.000	300	N	30	200	40	100
82TI026A	50	<10	N	N	30	N	500	1.000	200	N	20	200	40	100
82TI026B	50	N	N	N	30	N	200	.500	200	N	20	N	15	70
82TI026C	50	20	N	N	30	N	700	.700	200	N	20	<200	35	50
82TI027B	20	30	N	N	7	N	700	.100	70	N	<10	<200	30	30
82TI028A	7	<10	N	N	<5	N	1,000	.050	50	N	20	N	10	20
82TI029	5	<10	N	N	5	N	N	.100	200	N	<10	<200	5	100
82TI030B	<5	N	N	N	N	N	1,000	.020	15	N	<10	<200	5	<10
82TI032A	70	50	N	N	20	N	200	1.000	200	N	50	200	110	200
82TI032D	150	N	N	N	70	N	200	1.000	1,000	N	50	N	25	100
82TI034	<5	10	N	N	N	N	300	.020	20	N	<10	<200	5	<10
82TI035	<5	10	N	N	N	N	300	.010	10	N	N	<200	10	<10
82TI038A	50	100	N	<2	15	N	500	.500	100	N	50	N	55	150
82TI038C	50	20	N	N	10	N	N	.500	100	N	30	<200	35	200
82TI040	50	20	N	2	10	N	100	.500	100	N	30	<200	20	200
82TI044	70	<10	N	N	5	N	N	.200	200	N	<10	<200	120	70
82TI047	50	<10	N	N	10	N	N	.500	50	N	20	<200	15	200

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
82TI049	64 47 58	164 12 48	S D-5	6	N	N	N	--	20	150	<1.0
82TI050	64 47 28	164 12 23	S D-5	8	N	N	N	--	<10	300	1.0
82TI050A	64 47 28	164 12 23	S D-5	6	N	N	N	--	<10	200	1.0
82TI050B	64 47 28	164 12 23	S D-5	11	N	N	20	--	<10	100	1.0
82TI051	64 47 17	164 12 12	S D-5	7	N	N	N	--	20	300	<1.0
82TI053A	64 47 11	164 11 9	S D-5	8	N	N	10	--	10	200	N
82TI053B	64 47 11	164 11 9	S D-5	8	N	N	N	--	<10	200	1.5
82TI053C	64 47 11	164 11 9	S D-5	11	N	N	<10	--	20	<20	N
82TI054	64 47 30	164 10 52	S D-5	3	N	N	10	N	15	<20	<1.0
82TI056	64 49 10	164 18 39	S D-5	20	N	N	N	N	N	<20	N
82TI059A	64 49 47	164 18 28	S D-5	24	1.0	1,000	740	N	100	20	1.0
82TI059B	64 49 47	164 18 28	S D-5	23	N	N	10	--	<10	<20	N
82TI063	64 50 56	164 18 9	S D-5	5	N	N	N	--	N	<20	<1.0
82TI066	64 48 4	164 10 43	S D-5	4	<.5	N	N	--	200	3,000	1.0
82TI067	64 47 18	164 7 49	S D-5	8	N	N	N	--	70	500	2.0
82TI068	64 47 10	164 8 7	S D-5	11	N	N	N	--	<10	<20	<1.0
82TI072	64 47 46	164 7 49	S D-5	22	5.0	N	N	N	50	100	2.0
82TI076	64 55 38	163 43 33	S D-4	5	N	N	N	N	N	<20	N
82TI077A	64 50 53	162 33 0	S D-2	21	N	N	10	--	30	500	1.0
82TI077H	64 50 53	162 33 0	S D-2	21	N	N	N	--	70	<20	<1.0
82TI077K	64 50 53	162 33 0	S D-2	21	N	N	N	--	20	5,000	5.0
82TI080D	64 51 27	162 33 2	S D-2	30	N	N	N	--	70	700	2.0
82TI084A	64 49 45	162 13 37	S D-1	21	N	N	N	--	20	<20	<1.0
82TI084B	64 49 45	162 13 37	S D-1	10	N	N	N	--	N	N	<1.0
82TI086C	64 49 25	162 13 47	S D-1	30	N	N	N	N	500	<20	N
82TI094	64 50 27	162 6 20	S D-1	10	N	N	N	--	10	50	N
82TI096A	64 48 7	164 2 21	S D-5	8	N	N	N	N	10	20	1.0
82TI098A	64 47 54	164 1 44	S D-5	6	N	N	N	--	70	1,000	1.0
82TI099A	64 47 49	164 1 20	S D-5	6	<.5	N	N	--	20	1,500	N
82TI099B	64 47 49	164 1 20	S D-5	3	N	N	N	--	<10	300	<1.0
82TI101	64 47 26	164 1 1	S D-5	24	N	N	<10	--	50	500	1.5
82TI104	64 47 16	164 0 31	S D-5	6	N	N	N	--	<10	200	N
82TI105	64 46 49	164 0 41	S D-5	3	N	N	N	--	50	300	1.0
82TI106	64 49 30	164 3 13	S D-5	8	N	N	N	--	N	<20	N
82TI106A	64 49 30	164 3 13	S D-5	8	N	N	N	N	30	N	5.0
82TI106C	64 49 30	164 3 13	S D-5	8	N	N	N	--	<10	<20	1.5
82TI109	65 8 6	163 54 37	B A-4	1	N	N	N	--	<10	200	1.0
82TI110	65 8 21	163 54 4	B A-4	1	N	N	N	--	<10	700	<1.0
82TI111	65 8 29	163 54 7	B A-4	1	<.5	N	N	--	10	100	1.5
82TI113	65 8 48	163 54 26	B A-4	21	N	N	N	--	10	<20	3.0
82TI115B	65 11 5	163 52 14	B A-4	18	N	N	N	--	20	<20	15.0
82TI115E	65 11 5	163 52 14	B A-4	21	N	N	N	--	N	70	<1.0
82TI115F	65 11 5	163 52 14	B A-4	24	N	N	<10	--	N	70	N
82TI118	64 58 47	164 38 6	S D-6	5	N	N	20	--	N	300	N
82TI118A	64 58 47	164 38 6	S D-6	5	N	N	N	--	N	700	<1.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
82T1049	N	N	20.00	N	N	5	50	10	1.00	--	N	2.00	200	N	N
82T1050	N	N	10.00	N	N	15	150	50	3.00	--	<20	2.00	500	N	N
82T1050A	N	N	10.00	N	N	20	200	10	3.00	--	30	3.00	1,000	N	N
82T1050B	N	N	5.00	N	<.10	50	200	70	10.00	--	N	3.00	2,000	N	30
82T1051	N	N	2.00	N	<.10	50	150	300	10.00	--	100	3.00	1,000	N	<20
82T1053A	N	N	5.00	N	N	30	700	50	5.00	--	N	5.00	1,000	N	N
82T1053B	N	N	10.00	N	N	20	100	<5	3.00	--	50	3.00	1,000	N	N
82T1053C	N	N	5.00	N	.10	50	20	200	10.00	--	N	3.00	1,000	N	N
82T1054	N	N	2.00	N	.20	50	10	100	7.00	--	N	2.00	1,000	N	N
82T1056	N	N	20.00	N	.10	N	<10	<5	.10	--	N	.50	70	N	N
82T1059A	N	N	.30	N	.30	10	20	15	15.00	--	N	.20	200	15	N
82T1059B	N	N	20.00	N	<.10	<5	10	<5	2.00	--	N	.20	1,000	10	N
82T1063	N	N	20.00	N	N	N	15	<5	.50	--	N	.70	700	N	N
82T1066	N	N	.15	N	N	N	20	<5	.50	--	N	.50	20	7	N
82T1067	N	N	1.00	N	N	30	200	<5	7.00	--	50	2.00	1,000	N	N
82T1068	N	N	1.00	N	.20	50	150	150	10.00	--	N	2.00	1,000	N	<20
82T1072	20	12	1.00	N	.30	20	200	10,000	3.00	--	N	1.00	100	N	N
82T1076	N	N	20.00	N	.20	N	20	10	.50	--	N	2.00	200	N	N
82T1077A	N	N	3.00	N	N	50	100	100	7.00	--	N	3.00	1,000	N	N
82T1077H	N	N	.70	N	N	50	100	5	10.00	--	N	7.00	500	N	<20
82T1077K	N	N	2.00	N	N	5	100	10	2.00	--	20	3.00	200	N	<20
82T1080D	N	N	.30	N	.20	10	50	<5	1.00	--	<20	1.00	150	N	N
82T1084A	N	N	10.00	N	.10	<5	20	10	1.50	--	N	5.00	150	<5	N
82T1084B	N	N	20.00	N	N	N	<10	<5	.10	--	N	10.00	100	N	N
82T1086C	N	N	<.05	N	<.10	100	1,000	20	2.00	--	N	7.00	500	N	N
82T1094	N	N	3.00	N	.10	50	200	50	7.00	--	N	3.00	1,000	N	N
82T1096A	N	N	3.00	N	.30	20	100	10	5.00	--	N	2.00	2,000	N	N
82T1098A	N	N	>20.00	N	.10	10	100	10	2.00	--	N	3.00	300	N	N
82T1099A	N	N	>20.00	N	.10	<5	20	5	1.00	--	N	1.50	200	N	N
82T1099B	N	N	10.00	N	<.10	<5	20	10	.50	--	N	2.00	100	N	N
82T1101	N	N	.30	N	.30	200	30	20	15.00	--	N	.30	1,000	N	N
82T1104	N	N	5.00	N	<.10	70	300	100	7.00	--	N	5.00	1,000	N	N
82T1105	N	N	.05	N	N	20	70	20	3.00	--	<20	1.50	200	N	<20
82T1106	N	N	.50	N	<.10	50	30	50	5.00	--	N	1.00	1,000	N	<20
82T1106A	N	N	10.00	N	.10	20	150	50	5.00	--	30	1.50	2,000	N	N
82T1106C	N	N	2.00	N	<.10	50	N	200	10.00	--	70	2.00	2,000	N	50
82T1109	N	N	.50	N	<.10	15	30	5	2.00	--	50	.50	500	N	N
82T1110	N	N	.20	N	.20	<5	N	N	.50	--	20	.15	150	N	N
82T1111	N	N	3.00	N	N	100	70	20	10.00	--	50	2.00	2,000	N	N
82T1113	N	N	1.00	N	.30	10	10	<5	.70	--	N	.20	300	N	N
82T1115B	N	4	.05	N	.20	<5	N	<5	.20	--	N	.05	2,000	N	N
82T1115E	N	N	<.05	N	.20	20	50	<5	5.00	--	<20	2.00	200	N	N
82T1115F	N	1	<.05	N	.30	10	50	10	5.00	--	50	3.00	200	N	N
82T1118	N	N	7.00	N	N	N	<10	<5	.10	--	N	.10	200	N	N
82T1118A	N	N	20.00	N	N	N	20	<5	.20	--	N	.50	200	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
82T1049	10	10	N	N	5	N	1,000	.070	50	N	<10	<200	15	20
82T1050	50	30	N	N	20	N	700	.300	100	N	30	<200	10	100
82T1050A	50	15	N	N	50	N	700	.500	150	N	50	N	5	150
82T1050B	70	10	N	N	50	N	700	1.000	500	N	50	N	30	100
82T1051	70	30	N	N	30	N	200	1.000	200	N	30	200	40	200
82T1053A	70	N	N	N	20	N	200	.200	100	N	10	<200	15	10
82T1053B	30	30	N	N	20	N	1,000	.500	150	N	50	N	5	150
82T1053C	50	<10	N	N	50	N	200	1.000	700	N	20	<200	20	70
82T1054	15	<10	N	N	30	N	N	.700	200	N	30	200	55	50
82T1056	<5	N	N	N	N	N	500	.005	<10	N	N	<200	<5	<10
82T1059A	20	<10	5,000	4,400	5	N	N	.030	100	N	70	300	25	<10
82T1059B	<5	N	<100	64	<5	N	200	.002	20	N	<10	<200	5	N
82T1063	<5	<10	N	N	N	N	500	.050	10	N	N	<200	5	<10
82T1066	5	N	N	N	10	N	N	.200	700	N	10	N	<5	70
82T1067	100	20	N	N	50	N	200	.500	200	N	50	N	30	150
82T1068	70	<10	N	N	20	N	300	>1.000	300	N	30	200	75	100
82T1072	70	30	N	N	10	N	200	.500	70	N	20	200	30	150
82T1076	<5	<10	N	N	N	N	150	.050	20	N	N	<200	25	<10
82T1077A	100	20	N	N	30	N	500	.500	200	N	30	<200	20	100
82T1077H	50	<10	N	N	10	N	N	.700	100	N	20	<200	15	500
82T1077K	30	10	N	N	10	N	<100	.500	50	N	50	<200	15	200
82T1080D	50	<10	N	N	10	N	200	.300	100	N	10	N	30	100
82T1084A	5	10	N	N	<5	N	N	.100	30	N	<10	<200	15	10
82T1084B	<5	<10	N	N	N	N	<100	.010	<10	N	<10	<200	5	10
82T1084C	1,500	N	N	N	7	N	N	.010	20	N	N	<200	20	N
82T1094	100	N	N	N	30	N	150	.500	150	N	20	<200	45	70
82T1096A	50	50	N	N	20	N	500	.500	100	N	50	<200	30	100
82T1098A	20	10	N	N	5	N	1,000	.150	50	N	10	<200	15	50
82T1099A	7	15	N	N	10	N	1,000	.100	70	N	20	N	10	50
82T1099B	7	<10	N	N	N	N	2,000	.050	20	N	<10	<200	10	20
82T1101	700	<10	N	10	7	N	N	.150	70	N	20	200	160	50
82T1104	100	N	N	N	50	N	200	.500	300	N	30	N	30	50
82T1105	20	10	N	2	10	N	<100	.300	50	N	20	N	85	150
82T1106	30	30	N	N	15	N	200	1.000	200	N	30	<200	80	100
82T1106A	50	50	N	N	30	N	700	.500	200	N	50	N	20	100
82T1106C	N	20	N	N	50	N	1,000	1.000	200	N	100	N	45	200
82T1109	15	10	N	N	10	N	<100	.200	50	N	30	N	50	150
82T1110	<5	30	N	N	N	N	500	.100	10	N	N	N	40	100
82T1111	30	20	N	N	70	N	200	1.000	300	N	150	N	40	200
82T1113	5	<10	N	N	<5	N	100	.100	10	N	10	N	25	50
82T1115B	<5	70	N	N	N	N	N	.003	<10	N	10	N	<5	10
82T1115E	20	N	N	N	10	N	N	.300	100	N	30	N	25	100
82T1115F	10	N	N	2	10	N	N	.300	100	N	30	N	10	100
82T1118	<5	30	N	6	N	N	1,000	.020	<10	N	N	N	10	<10
82T1118A	<5	10	N	N	N	N	2,000	.020	10	N	N	<200	10	<10

Sample	Latitude	Longitude	Quad.	gx code	S-A6	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
82T1118F	64 58 47	164 38 6	S D-6	4	<.5	N	<10	--	100	700	1.0
82T1121A	64 56 46	164 37 26	S D-6	21	N	N	N	--	50	1,000	3.0
82T1123A	65 2 38	162 39 23	B A-2	7	N	N	N	--	20	200	2.0
82T1123C	65 2 38	162 39 23	B A-2	7	N	N	N	--	100	1,000	2.0
82T1123D	65 2 38	162 39 23	B A-2	7	<.5	N	<10	--	N	<20	1.0
82T1130A	65 1 23	162 33 49	B A-2	1	<.5	N	N	--	N	<20	N
82T1131C	65 1 36	162 33 47	B A-2	16	N	N	<10	--	<10	700	N
82T1135	65 4 29	162 6 19	B A-1	10	N	N	N	--	<10	200	N
82T1137A	65 11 3	162 9 33	B A-1	10	N	N	N	--	<10	100	N
82T1139A	65 10 51	162 9 38	B A-1	10	N	N	N	--	<10	100	N
82T1139D	65 10 51	162 9 38	B A-1	10	N	N	N	--	50	100	N
82T1142A	65 10 22	162 8 48	B A-1	10	N	N	N	--	<10	200	N
82T1146	65 11 52	163 48 25	B A-4	1	N	N	N	N	20	1,500	2.0
82T1146C	65 11 52	163 48 25	B A-4	1	N	N	N	--	10	1,000	2.0
82T1146D	65 11 52	163 48 25	B A-4	18	N	N	N	--	1,000	300	2.0
82T1147	65 12 1	163 48 48	B A-4	1	N	N	N	--	50	100	N
82T1148	65 12 10	163 48 57	B A-4	1	N	N	N	N	100	700	2.0
82T1150A	65 12 18	163 49 0	B A-4	1	<.5	N	N	--	<10	200	<1.0
82T1150D	65 12 18	163 49 0	B A-4	21	N	N	N	--	N	50	2.0
82T1152B	65 12 28	163 49 5	B A-4	17	<.5	N	N	N	50	500	5.0
82T1158A	65 1 20	164 53 33	B A-6	1	N	N	N	--	20	100	10.0
82T1158C	65 1 20	164 53 33	B A-6	1	N	N	N	--	10	500	10.0
82T1158D	65 1 20	164 53 33	B A-6	1	N	N	N	--	<10	2,000	5.0
82T1159C	65 1 14	164 53 20	B A-6	23	N	N	N	--	N	1,500	1.0
82T1160A	65 1 0	164 53 8	B A-6	1	<.5	N	N	--	30	3,000	1.0
82T1160B	65 1 0	164 53 8	B A-6	1	<.5	N	N	--	20	2,000	5.0
82T1161	65 0 54	164 52 59	B A-6	1	N	N	N	--	20	1,500	3.0
82T1172C	65 12 16	163 35 51	B A-4	13	N	N	<10	--	<10	1,500	1.0
82T1173A	65 11 17	163 34 43	B A-4	1	N	N	N	--	20	500	3.0
82T1175A	64 59 51	164 59 14	S D-6	1	N	N	N	--	20	200	5.0
82T1175C	64 59 51	164 59 14	S D-6	1	N	N	N	--	30	200	<1.0
82T1175D	64 59 51	164 59 14	S D-6	1	N	N	N	--	10	300	2.0
82T1175E	64 59 51	164 59 14	S D-6	1	N	N	N	--	50	2,000	2.0
82T1175F	64 59 51	164 59 14	S D-6	1	N	N	N	--	50	100	5.0
82T1175G	64 59 51	164 59 14	S D-6	21	N	N	N	--	20	3,000	2.0
82T1175I	64 59 51	164 59 14	S D-6	1	N	N	N	--	N	N	N
82T1178A	65 0 5	164 59 48	B A-6	1	N	N	N	--	10	200	2.0
82T1179A	65 1 4	164 57 16	B A-6	13	N	N	N	--	10	500	1.0
82T1181A	65 1 28	164 55 22	B A-6	1	N	N	N	--	20	700	2.0
82T1182A	64 59 7	164 54 10	S D-6	1	N	N	N	--	10	3,000	3.0
82T1183	64 59 40	164 44 37	S D-6	7	N	N	N	--	20	70	<1.0
82T1183B	64 59 40	164 44 37	S D-6	21	N	N	10	--	100	300	2.0
82T1185A	64 57 58	164 52 39	S D-6	2	N	N	N	--	200	1,000	5.0
82T1188	64 59 10	164 52 46	S D-6	1	N	N	N	N	70	1,000	3.0
82T1190	65 25 15	164 52 40	B B-6	3	N	N	N	--	N	200	N

Sample	S-BI	AA-Bi	S-CAZ	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
82T1118F	N	N	<.05	N	.10	<5	10	<5	.20	--	N	.05	<10	20	N
82T1121A	N	N	.30	N	N	20	30	5	3.00	--	N	1.00	1,000	N	N
82T1123A	N	N	.20	N	N	20	100	<5	10.00	--	20	5.00	500	N	N
82T1123C	N	N	2.00	N	.10	20	100	30	5.00	--	20	2.00	1,000	N	N
82T1123D	N	N	20.00	N	.40	N	<10	<5	.20	--	N	5.00	300	N	N
82T1130A	N	N	20.00	N	.20	N	10	<5	.05	--	N	.50	20	N	N
82T1131C	N	N	.70	N	.20	20	20	70	3.00	--	50	1.50	500	N	N
82T1135	N	N	15.00	N	.20	10	50	10	2.00	--	N	2.00	300	N	N
82T1137A	N	N	1.00	N	<.10	100	150	200	10.00	--	N	3.00	1,000	N	N
82T1139A	N	N	1.00	N	<.10	50	100	100	7.00	--	N	3.00	1,000	N	N
82T1139D	N	N	.50	N	N	10	10	50	1.00	--	N	.20	200	N	N
82T1142A	N	N	1.00	N	N	100	150	100	10.00	--	N	3.00	1,000	N	N
82T1146	N	N	1.00	N	<.10	30	200	N	5.00	--	20	2.00	1,500	N	N
82T1146C	N	N	5.00	N	<.10	30	150	<5	7.00	--	50	2.00	1,000	N	N
82T1146D	N	N	.50	N	.20	<5	N	<5	.15	--	N	.05	50	N	N
82T1147	N	N	>20.00	N	.20	5	15	N	1.50	--	N	10.00	300	N	N
82T1148	N	N	1.00	N	N	10	100	10	5.00	--	N	1.00	500	N	N
82T1150A	N	N	5.00	N	N	70	300	200	15.00	--	N	3.00	2,000	N	N
82T1150D	N	N	1.00	N	.30	20	70	100	2.00	--	50	.50	300	N	<20
82T1152B	N	N	.10	N	<.10	<5	<10	5	.70	--	N	.10	70	N	<20
82T1158A	N	N	.20	N	.20	<5	<10	7	1.00	--	N	.10	300	N	50
82T1158C	N	N	.50	N	.10	<5	<10	7	1.00	--	N	.20	200	<5	30
82T1158D	N	N	1.00	N	.30	7	30	<5	3.00	--	200	1.00	700	N	20
82T1159C	N	N	.20	N	.20	<5	30	20	2.00	--	N	1.00	200	<5	N
82T1160A	N	N	.50	N	.10	N	50	10	.50	--	N	.50	100	20	N
82T1160B	N	N	5.00	N	.10	20	100	70	7.00	--	<20	5.00	1,000	N	N
82T1161	N	N	1.50	N	.20	15	70	20	3.00	--	30	1.50	700	N	N
82T1172C	N	N	.50	N	.30	<5	<10	<5	2.00	--	100	.30	300	N	N
82T1173A	N	N	.50	N	N	30	200	20	5.00	--	20	2.00	1,500	N	20
82T1175A	N	N	.70	N	<.10	<5	<10	<5	1.00	--	N	.20	1,000	N	<20
82T1175C	N	N	5.00	N	<.10	100	700	<5	15.00	--	N	5.00	1,000	N	N
82T1175D	N	N	1.50	N	N	30	200	10	5.00	--	30	2.00	1,500	N	N
82T1175E	N	N	7.00	N	<.10	50	300	N	7.00	--	100	5.00	2,000	N	20
82T1175F	N	N	5.00	N	.20	20	150	<5	5.00	--	N	5.00	1,000	N	N
82T1175G	N	N	.50	N	.10	20	100	70	3.00	--	N	1.00	1,500	N	N
82T1175I	N	N	>20.00	N	N	N	<10	N	.70	--	N	5.00	150	N	N
82T1178A	N	N	.20	N	<.10	<5	<10	<5	1.00	--	50	.10	200	N	<20
82T1179A	N	N	.70	N	.10	20	70	<5	7.00	--	<20	2.00	1,000	N	N
82T1181A	N	N	3.00	N	N	20	100	<5	7.00	--	<20	2.00	1,000	N	N
82T1182A	N	N	1.00	N	N	50	200	<5	7.00	--	30	2.00	2,000	N	N
82T1183	N	N	.05	N	.20	20	200	5	5.00	--	N	2.00	500	N	N
82T1183B	N	N	.20	N	.20	50	150	100	5.00	--	<20	1.00	700	N	<20
82T1185A	N	N	.10	N	.10	30	100	20	7.00	--	70	1.50	700	N	<20
82T1188	N	N	.70	N	N	30	200	20	7.00	--	50	2.00	2,000	N	<20
82T1190	N	N	20.00	N	.30	N	<10	<5	.15	--	N	1.50	70	5	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
82T1118F	15	N	N	N	<5	N	N	.200	500	N	20	N	15	50
82T1121A	20	20	N	N	15	N	200	.300	200	N	30	N	15	100
82T1123A	100	<10	N	N	30	N	N	.500	200	N	70	<200	15	200
82T1123C	70	30	N	N	20	N	300	.500	200	N	50	<200	45	200
82T1123D	<5	70	N	4	N	N	300	.005	10	N	N	<200	50	N
82T1130A	<5	N	N	N	N	N	500	.005	<10	N	N	<200	10	N
82T1131C	15	<10	N	N	15	N	500	.300	150	N	20	N	60	50
82T1135	20	20	N	N	10	N	1,000	.150	50	N	20	N	15	50
82T1137A	70	N	N	N	50	N	200	1,000	300	N	50	<200	40	150
82T1139A	20	50	N	N	30	N	N	.500	200	N	30	N	45	100
82T1139D	15	N	N	N	<5	N	N	.100	50	N	<10	N	5	20
82T1142A	50	N	N	N	50	N	N	1,000	200	N	50	<200	40	150
82T1146	70	15	N	N	30	N	150	.700	200	N	70	N	30	200
82T1146C	70	20	N	N	20	N	300	.500	150	N	50	N	30	300
82T1146D	<5	70	N	N	N	N	100	.010	<10	N	20	N	5	<10
82T1147	<5	50	N	N	7	N	700	.150	50	N	30	N	10	100
82T1148	20	30	N	N	10	N	<100	.500	100	N	30	<200	40	150
82T1150A	70	<10	N	N	70	N	300	1,000	700	N	100	N	5	150
82T1150D	20	N	N	N	15	N	300	.500	100	N	30	N	10	150
82T1152B	5	30	N	N	N	N	N	.050	<10	N	20	<200	15	100
82T1158A	5	100	N	N	<5	N	N	.070	<10	N	10	<200	25	70
82T1158C	5	50	N	N	<5	15	100	.150	10	N	20	<200	25	150
82T1158D	5	50	N	N	10	N	500	.700	50	N	30	<200	45	500
82T1159C	10	20	N	N	10	N	100	.300	100	N	N	N	80	50
82T1160A	<5	20	N	N	5	N	<100	.200	300	N	N	<200	10	100
82T1160B	50	10	N	N	20	10	500	.500	300	N	50	<200	40	100
82T1161	30	20	N	N	10	N	200	.500	100	N	50	<200	50	300
82T1172C	<5	50	N	N	<5	N	1,000	.300	20	N	20	N	60	200
82T1173A	70	30	N	N	20	N	<100	.500	100	N	20	200	50	100
82T1175A	5	50	N	N	<5	N	<100	.070	10	N	50	<200	20	100
82T1175C	500	20	N	N	50	N	<100	.500	300	N	30	<200	10	50
82T1175D	50	20	N	N	30	N	300	.500	200	N	70	N	20	100
82T1175E	200	30	N	N	50	10	500	.500	200	N	70	N	20	200
82T1175F	50	50	N	N	15	N	100	.200	100	N	20	<200	30	100
82T1175G	50	20	N	N	20	20	N	.500	100	N	15	<200	20	100
82T1175I	N	10	N	N	N	N	700	.020	10	N	15	N	N	30
82T1178A	5	100	N	N	<5	N	N	.100	<10	N	100	N	25	100
82T1179A	50	30	N	N	20	N	100	.500	200	N	20	<200	45	100
82T1181A	50	30	N	N	20	N	500	.500	150	N	50	<200	25	200
82T1182A	50	30	N	N	50	N	500	.500	200	N	30	<200	55	100
82T1183	100	N	N	N	10	N	N	.300	100	N	30	N	40	100
82T1183B	50	30	N	N	20	N	200	.700	150	N	20	N	60	200
82T1185A	70	20	N	N	30	N	<100	.500	200	N	70	N	50	150
82T1188	70	50	N	N	30	N	200	.500	300	N	70	N	40	200
82T1190	<5	N	N	N	N	N	500	.050	20	N	N	N	20	10

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
82TI192A	65 27 42	164 58 21	B B-6	8	N	N	N	--	50	150	1.0
82TI193	65 29 49	164 53 10	B B-6	3	N	N	N	--	N	50	N
82TI194A	65 31 5	164 42 32	B C-6	8	N	N	N	N	100	300	<1.0
82TI194B	65 31 5	164 42 32	B C-6	11	15.0	N	N	--	<10	N	N
82TI194C	65 31 5	164 42 32	B C-6	8	N	N	N	--	20	<20	N
82TI194D	65 31 5	164 42 32	B C-6	11	N	N	<10	--	<10	<20	N
82TI195A	65 31 59	164 37 1	B C-6	10	N	N	N	--	N	N	N
82TI195B	65 31 59	164 37 1	B C-6	10	N	N	N	--	N	<20	N
82TI196A	65 33 14	164 34 16	B C-6	10	N	N	N	--	N	N	N
82TI196B	65 33 14	164 34 16	B C-6	10	N	N	N	--	N	<20	N
82TI198A	65 35 3	164 26 49	B C-5	3	N	N	N	--	N	100	N
82TI199	65 37 34	164 22 22	B C-5	3	N	N	N	--	30	500	N
82TI201A	65 12 51	163 40 22	B A-4	1	N	N	N	--	15	1,500	3.0
82TI201B	65 12 51	163 40 22	B A-4	17	N	N	N	--	20	1,000	1.0
82TI201G	65 12 51	163 40 22	B A-4	1	N	N	N	--	20	700	2.0
82TI203A	65 15 1	163 32 19	B B-4	21	<.5	N	N	--	50	2,000	<1.0
82TI203B	65 15 1	163 32 19	B B-4	21	.5	N	N	--	50	3,000	<1.0
82TI203C	65 15 1	163 32 19	B B-4	1	N	N	N	--	20	1,000	1.0
82TI205	65 11 46	163 46 49	B A-4	1	N	N	N	--	<10	50	N
82TI209A	65 49 2	163 14 46	B D-3	3	N	N	N	--	N	N	N
82TI209B	65 49 2	163 14 46	B D-3	3	N	N	N	--	30	50	N
82TI210	65 42 18	162 35 38	B C-2	14	N	N	N	--	10	1,500	1.0
82TI212	65 26 26	162 27 26	B B-1	10	N	N	30	--	100	5,000	<1.0
82TI213	65 26 8	162 39 8	B B-2	19	N	N	N	--	<10	100	N
82TI216A	64 50 35	164 35 18	S D-6	11	<.5	N	20	--	<10	N	N
82TI217A	64 51 17	164 37 0	S D-6	8	N	N	N	N	50	70	2.0
82TI217B	64 51 17	164 37 0	S D-6	8	N	N	N	N	10	<20	N
82TI219A	64 50 0	164 39 21	S D-6	8	N	N	N	--	20	500	1.5
82TI219B	64 50 0	164 39 21	S D-6	11	N	N	N	N	<10	100	1.0
82TI220	64 50 57	164 41 7	S D-6	8	N	N	N	--	50	150	1.5
82TI221	64 49 27	164 30 20	S D-6	5	N	N	N	--	N	<20	N
82TI222	64 50 42	164 31 45	S D-6	30	N	2,000	>2,000	--	N	200	<1.0
82TI223	64 51 41	164 33 24	S D-6	4	.5	N	20	--	200	5,000	1.0
82TI226A	64 49 15	164 38 38	S D-6	8	N	N	N	--	N	70	N
82TI228A	64 48 53	164 38 51	S D-6	8	N	N	20	--	500	1,500	2.0
82TI231A	64 46 48	164 40 55	S D-6	4	.5	N	20	N	20	5,000	1.0
82TI233	64 46 32	164 31 5	S D-6	8	N	N	N	--	10	20	N
82TI234A	64 47 23	164 31 14	S D-6	8	N	N	N	N	20	<20	N
82TI235A	64 47 32	164 32 19	S D-6	8	N	N	N	--	<10	<20	N
82TI235B	64 47 32	164 32 19	S D-6	8	N	N	N	N	100	1,000	N
82TI237	64 45 22	164 17 25	S D-5	2	N	N	40	N	200	1,000	5.0
82TI241A	64 47 47	164 25 24	S D-5	21	N	N	N	--	50	300	N
82TI242A	64 50 34	164 28 7	S D-5	2	N	N	N	N	20	200	N
82TI243A	65 22 43	163 15 18	B B-3	13	N	N	N	--	10	2,000	2.0
82TI250A	64 46 8	164 15 18	S D-5	4	N	N	N	--	10	<20	2.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CD	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
82T1192A	N	N	2.00	N	.20	20	300	30	5.00	--	<20	1.50	1,000	N	N
82T1193	N	N	10.00	N	.10	<5	50	20	1.00	--	N	2.00	100	N	N
82T1194A	N	N	.20	N	N	50	100	100	7.00	--	20	2.00	500	N	N
82T1194B	N	<1	1.00	N	1.00	70	100	10,000	10.00	--	N	3.00	1,000	20	N
82T1194C	N	N	.50	N	N	50	200	100	5.00	--	20	2.00	700	N	N
82T1194D	N	N	.70	N	N	100	150	100	10.00	--	N	3.00	700	N	<20
82T1195A	N	N	15.00	N	<.10	N	10	5	.50	--	N	.70	70	N	N
82T1195B	N	N	15.00	N	<.10	N	10	5	.20	--	N	1.00	100	N	N
82T1196A	N	N	15.00	N	<.10	N	<10	5	.10	--	N	1.00	20	N	N
82T1196B	N	N	15.00	N	<.10	N	10	<5	.20	--	N	.70	30	N	N
82T1198A	N	N	15.00	N	N	N	<10	5	.10	--	N	1.00	50	N	N
82T1199	N	N	15.00	N	.20	5	30	50	1.00	--	N	1.00	100	5	N
82T1201A	N	N	1.00	N	.10	30	150	5	5.00	--	150	2.00	500	N	20
82T1201B	N	N	.50	N	.20	<5	<10	<5	1.00	--	<20	.10	300	N	N
82T1201G	N	N	7.00	N	.10	30	150	N	5.00	--	70	5.00	1,500	N	20
82T1203A	N	N	.10	N	.20	<5	20	5	.50	--	N	.30	70	N	N
82T1203B	N	N	.20	N	1.80	10	30	70	.20	--	20	1.00	200	15	N
82T1203C	N	N	.20	N	.30	<5	<10	5	.10	--	N	.15	70	15	N
82T1205	N	N	1.00	N	.30	100	N	500	10.00	--	100	2.00	1,000	10	N
82T1209A	N	N	10.00	N	<.10	N	<10	5	.05	--	N	.20	50	N	N
82T1209B	N	N	10.00	N	N	5	20	<5	.50	--	N	.10	500	N	N
82T1210	N	N	1.00	N	.20	20	50	100	5.00	--	N	1.50	1,000	5	<20
82T1212	N	N	5.00	N	.60	10	50	20	10.00	--	N	.30	200	N	N
82T1213	N	N	1.00	N	N	100	500	100	10.00	--	N	5.00	700	N	N
82T1216A	N	N	5.00	N	<.10	50	10	200	7.00	--	N	5.00	2,000	N	N
82T1217A	N	N	2.00	N	.10	20	200	<5	5.00	--	N	2.00	1,500	N	N
82T1217B	N	N	5.00	N	<.10	50	500	100	7.00	--	N	5.00	1,000	N	N
82T1219A	N	N	.20	N	N	30	300	7	7.00	--	N	2.00	1,500	N	N
82T1219B	N	N	5.00	N	.10	100	300	150	10.00	--	N	3.00	2,000	N	30
82T1220	N	N	7.00	N	.10	15	200	7	2.00	--	N	1.50	2,000	N	N
82T1221	N	N	20.00	N	N	N	<10	<5	.50	--	N	.10	200	N	N
82T1222	N	N	5.00	N	N	30	10	100	20.00	--	N	.20	1,000	N	N
82T1223	N	N	<.05	N	.60	10	70	150	5.00	--	N	.30	50	70	N
82T1226A	N	N	>20.00	N	N	N	20	5	1.00	--	N	1.00	2,000	N	N
82T1228A	N	N	.20	N	N	30	100	<5	5.00	--	N	2.00	3,000	N	N
82T1231A	N	N	.05	N	.10	N	20	5	1.00	--	N	.50	30	20	N
82T1233	N	N	1.00	N	.10	100	<10	250	10.00	--	N	3.00	1,000	N	N
82T1234A	N	N	.70	N	.10	50	200	200	5.00	--	50	2.00	700	20	N
82T1235A	N	N	1.00	N	<.10	100	150	100	10.00	--	N	3.00	1,000	N	<20
82T1235B	N	N	.20	N	<.10	50	200	100	7.00	--	20	3.00	500	N	N
82T1237	N	N	.20	N	<.10	10	100	20	7.00	--	N	2.00	700	N	<20
82T1241A	N	N	1.00	N	N	20	200	5	5.00	--	<20	1.50	1,000	N	N
82T1242A	N	N	.50	N	N	50	100	10	5.00	--	<20	1.50	500	N	N
82T1243A	N	N	.70	N	.20	<5	N	<5	2.00	--	50	.30	700	N	N
82T1250A	N	N	.30	N	N	5	100	<5	2.00	--	N	2.00	200	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
82TI192A	50	30	N	N	15	N	100	.500	150	N	30	N	20	150
82TI193	10	20	N	N	5	N	1,000	.100	50	N	20	N	10	20
82TI194A	100	20	N	N	20	N	N	.500	100	N	50	N	40	200
82TI194B	100	70	N	N	30	N	100	1.000	200	N	50	N	35	150
82TI194C	70	10	N	N	20	N	500	.500	100	N	50	N	25	150
82TI194D	100	70	N	N	20	N	700	>1.000	200	N	30	200	45	150
82TI195A	<5	N	N	N	N	N	700	.070	10	N	N	N	N	<10
82TI195B	<5	<10	N	N	N	N	1,000	.020	20	N	<10	N	N	<10
82TI196A	<5	N	N	N	N	N	300	.010	10	N	N	N	<5	<10
82TI196B	<5	<10	N	N	N	N	300	.020	10	N	<10	N	5	<10
82TI198A	N	<10	N	N	N	N	500	.005	10	N	N	N	N	N
82TI199	15	<10	N	N	5	N	500	.100	50	N	20	N	15	30
82TI201A	50	20	N	N	30	N	200	.500	200	N	100	N	20	200
82TI201B	5	50	N	N	<5	N	300	.200	20	N	10	N	20	100
82TI201G	30	30	N	N	30	N	500	.500	200	N	100	N	20	200
82TI203A	5	10	N	N	<5	N	<100	.200	200	N	10	N	15	50
82TI203B	15	10	N	N	5	N	100	.300	500	N	20	N	90	100
82TI203C	5	100	N	N	N	N	100	.100	10	N	N	N	20	100
82TI205	100	N	N	N	50	N	<100	1.000	1,000	N	70	<200	25	70
82TI209A	N	N	N	N	N	N	300	.002	<10	N	N	N	<5	N
82TI209B	7	N	N	N	<5	N	N	.030	10	N	20	N	N	10
82TI210	10	50	N	N	10	N	1,000	.500	200	N	30	N	25	200
82TI212	15	20	N	2	5	N	200	.200	100	N	10	N	15	150
82TI213	150	N	N	N	30	N	500	.700	200	N	30	<200	60	150
82TI216A	30	<10	N	N	50	N	300	.700	500	N	50	N	30	100
82TI217A	100	15	N	N	30	N	200	.500	200	N	50	N	30	100
82TI217B	100	50	N	N	30	N	200	.300	150	N	20	<200	35	20
82TI219A	70	10	N	N	50	N	N	.700	200	N	50	N	25	150
82TI219B	100	10	N	N	50	N	500	1.000	700	N	70	N	45	150
82TI220	20	20	N	N	20	N	700	.500	150	N	50	N	10	200
82TI221	<5	<10	N	3	N	N	500	.015	<10	N	10	N	5	<10
82TI222	20	<10	100	210	5	N	N	.015	10	N	20	<200	50	<10
82TI223	100	20	N	5	10	N	N	.500	1,000	N	30	<200	220	100
82TI226A	5	<10	N	N	10	N	5,000	.100	30	N	30	N	N	30
82TI228A	50	<10	N	N	30	N	200	.500	200	N	70	N	25	100
82TI231A	20	15	N	6	5	N	N	.150	1,000	N	20	N	110	50
82TI233	50	10	N	N	50	N	200	.700	300	N	30	<200	35	50
82TI234A	100	50	N	N	20	N	500	.300	100	N	50	N	45	200
82TI235A	100	<10	N	N	30	N	700	>1.000	200	N	50	200	65	150
82TI235B	100	N	N	N	30	N	N	.500	100	N	50	N	80	150
82TI237	50	20	N	N	30	N	200	.500	300	N	50	N	45	200
82TI241A	150	20	N	N	15	N	N	.500	70	N	50	N	35	150
82TI242A	50	50	N	N	20	N	<100	.500	100	N	70	N	40	150
82TI243A	<5	50	N	N	<5	N	700	.300	20	N	10	N	55	200
82TI250A	50	<10	N	N	5	N	N	.500	70	N	20	<200	10	300

Sample	Latitude Longitude		Quad.	gx code	S-A6	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
82T1250B	64 46 8	164 15 18	S D-5	4	N	N	N	--	10	200	1.0
82T1253	65 43 0	164 16 55	B C-5	3	N	N	N	--	200	300	N
82T1255	65 41 55	164 23 37	B C-5	3	N	N	N	N	10	20	N
82T1256A	64 58 58	163 42 54	S D-4	3	N	N	N	--	<10	N	N
82T1256B	64 58 58	163 42 54	S D-4	4	N	N	N	N	<10	N	N
82T1257	65 34 35	163 43 4	B C-4	19	N	N	N	--	10	200	N
82T1258	65 33 53	163 40 24	B C-4	19	1.0	N	N	--	10	150	N
82T1261	65 49 18	163 6 27	B D-3	3	N	N	N	--	150	500	<1.0
82T1262	65 57 47	163 11 43	B D-3	19	N	N	N	--	20	500	N
82T1263	65 53 34	162 54 44	B D-2	3	N	N	N	--	200	300	1.0
82T1264	65 35 26	162 31 56	B C-2	19	N	N	N	--	10	150	N
82T1265	65 31 25	162 39 17	B C-2	30	N	N	N	--	10	100	N
82T1267	65 23 19	162 57 22	B B-2	13	N	N	N	--	<10	2,000	<1.0
82T1268	65 19 43	163 37 55	B B-4	1	1.0	N	N	--	<10	<20	2.0
83CL001A	64 53 3	164 5 22	S D-5	11	N	N	40	--	N	<20	N
83CL001B	64 53 3	164 5 22	S D-5	26	N	<200	80	--	<10	70	N
83CL008	64 51 52	164 38 38	S D-6	11	N	N	10	--	200	200	2.0
83CL020	64 36 59	163 41 39	S C-4	2	N	N	N	--	200	700	<1.0
83CL042	64 55 48	163 20 35	S D-3	9	N	N	N	--	N	20	N
83CL044B	64 52 15	163 4 29	S D-3	9	N	N	N	--	<10	<20	N
83CL044C	64 52 15	163 4 29	S D-3	9	N	N	N	--	10	100	N
83CL046A	64 52 10	163 3 31	S D-3	14	N	N	80	--	150	500	10.0
83CL047B	64 44 53	162 56 36	S C-2	8	.5	N	N	--	10	200	N
83CL048A	64 52 23	162 43 42	S D-2	8	N	N	<10	--	10	150	N
83CL049	64 52 18	162 43 35	S D-2	1	N	N	20	--	50	100	<1.0
83CL060A	65 5 36	162 35 30	B A-2	25	N	N	<10	--	30	200	2.0
83CL060D	65 5 20	162 36 28	B A-2	27	N	N	N	N	<10	N	N
83CL061A	65 5 13	162 36 44	B A-2	27	N	N	<10	N	<10	100	N
83CL062A	65 4 57	162 37 2	B A-2	27	N	N	N	N	N	200	N
83CL062B	65 4 57	162 37 2	B A-2	3	<.5	N	N	--	100	20	1.0
83CL068	66 2 51	162 14 40	K A-1	30	N	N	N	--	<10	N	N
83CL069A	66 2 57	162 14 19	K A-1	8	N	N	N	--	<10	500	N
83CL072A	66 2 59	162 13 39	K A-1	20	N	N	N	--	<10	<20	N
83CL072C	66 2 59	162 13 39	K A-1	30	<.5	N	N	--	<10	100	<1.0
83CL074A	66 2 47	162 14 54	K A-1	8	N	N	N	N	N	N	N
83CL082A	65 46 39	162 25 51	B D-1	8	N	N	N	N	20	500	N
83CL082B	65 46 39	162 25 51	B D-1	11	N	N	N	--	<10	<20	N
83CL082C	65 46 39	162 25 51	B D-1	8	N	N	N	N	N	N	N
83CL084A	65 47 8	162 25 20	B D-1	30	<.5	N	N	--	N	N	N
83CL087A	65 48 52	162 26 1	B D-1	30	N	N	N	--	<10	<20	N
83CL087B	65 48 52	162 26 1	B D-1	30	N	N	<10	--	N	100	1.0
83CL087C	65 48 52	162 26 1	B D-1	30	N	N	N	--	<10	700	<1.0
83CL088	65 48 54	162 25 22	B D-1	30	N	N	N	--	<10	N	N
83CL089	65 49 21	162 25 47	B D-1	21	N	N	N	--	<10	N	N
83CL093	65 27 27	162 29 1	B B-1	10	N	N	20	--	N	50	N

Sample	S-BI	AA-Bi	S-CAZ	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FEZ	I-HG	S-LA	S-MGZ	S-MN	S-MO	S-NB
82T1250B	N	N	.30	N	.10	7	200	<5	3.00	--	N	2.00	100	N	N
82T1253	N	N	7.00	N	.50	15	100	20	2.00	--	100	.50	500	N	N
82T1255	N	N	.50	N	<.10	5	50	<5	.50	--	N	.20	70	N	N
82T1256A	N	N	.05	N	N	15	200	<5	7.00	--	<20	3.00	200	<5	N
82T1256B	N	N	<.05	N	N	20	200	5	7.00	--	N	5.00	150	<5	N
82T1257	N	N	1.00	N	N	70	300	70	10.00	--	N	5.00	700	N	N
82T1258	N	N	1.00	N	<.10	70	300	100	10.00	--	N	5.00	700	N	N
82T1261	N	N	.70	N	.20	20	150	20	5.00	--	100	2.00	500	N	<20
82T1262	N	N	2.00	N	<.10	70	500	100	10.00	--	50	5.00	1,000	N	<20
82T1263	N	N	.10	N	<.10	10	100	<5	3.00	--	50	1.00	200	N	<20
82T1264	N	N	1.00	N	<.10	100	500	150	10.00	--	N	7.00	1,000	N	N
82T1265	N	N	.50	N	<.10	50	70	100	7.00	--	N	3.00	1,000	N	N
82T1267	N	N	.50	N	.30	<5	<10	<5	1.00	--	150	.50	300	<5	N
82T1268	N	N	2.00	N	.30	50	200	300	7.00	--	100	3.00	700	10	N
83CL001A	N	N	<.05	N	N	N	N	70	.10	--	N	<.02	N	N	N
83CL001B	N	N	<.05	N	N	N	N	10	5.00	--	N	.02	20	<5	N
83CL008	N	N	.30	N	<.10	30	100	50	5.00	--	70	1.50	300	N	20
83CL020	N	N	.15	N	<.10	20	50	N	5.00	--	50	1.00	100	N	N
83CL042	N	N	20.00	N	.10	N	10	<5	.20	--	N	2.00	100	N	N
83CL044B	N	N	.50	N	<.10	50	70	100	5.00	--	N	5.00	300	N	N
83CL044C	N	N	5.00	N	.20	7	20	7	1.00	--	N	1.50	200	10	N
83CL046A	N	N	1.00	N	N	N	N	<5	1.00	--	30	.20	150	N	N
83CL047B	N	N	2.00	N	.20	20	70	150	5.00	--	50	2.00	5,000	N	N
83CL048A	N	N	10.00	N	<.10	15	20	15	2.00	--	N	3.00	200	N	N
83CL049	N	N	10.00	N	N	20	100	20	3.00	--	N	5.00	300	N	N
83CL060A	N	N	5.00	N	.20	30	100	7	3.00	--	30	2.00	700	N	N
83CL060D	N	N	.50	N	N	N	N	N	.10	--	N	.15	100	N	N
83CL061A	N	N	.10	N	.10	N	N	<5	.15	--	N	.10	70	N	N
83CL062A	N	N	.15	N	.10	N	N	<5	.20	--	N	.50	100	N	N
83CL062B	N	N	1.50	N	.70	20	70	50	2.00	--	N	2.00	200	15	N
83CL068	N	N	.15	N	.30	N	<10	20	.30	--	N	5.00	150	N	N
83CL069A	N	N	.70	N	.10	50	70	100	5.00	--	N	3.00	700	N	N
83CL072A	N	N	.50	N	<.10	100	20	150	10.00	--	N	3.00	700	N	N
83CL072C	N	N	3.00	N	<.10	50	100	2,000	7.00	--	N	2.00	1,000	N	N
83CL074A	<10	N	3.00	N	<.10	N	N	<5	.07	--	N	5.00	20	N	N
83CL082A	N	N	.20	N	.30	N	N	10	1.00	--	N	.20	100	N	N
83CL082B	N	N	.70	N	.10	70	10	200	10.00	--	N	2.00	500	10	<20
83CL082C	N	N	.70	N	.10	70	20	<5	7.00	--	N	3.00	700	N	N
83CL084A	N	N	5.00	N	.10	N	N	<5	.07	--	N	5.00	20	N	N
83CL087A	N	N	.70	N	<.10	70	10	<5	10.00	--	N	3.00	500	N	<20
83CL087B	N	N	7.00	N	.20	15	20	15	5.00	--	N	3.00	1,000	5	N
83CL087C	N	N	.50	N	<.10	15	<10	5	3.00	--	70	1.00	300	N	<20
83CL088	N	N	5.00	N	N	70	300	70	10.00	--	N	5.00	1,500	10	N
83CL089	N	N	5.00	N	N	20	500	15	5.00	--	N	3.00	700	15	N
83CL093	N	N	<.05	N	N	N	N	N	<.05	--	N	<.02	10	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
82T1250B	50	10	N	N	20	20	100	.500	100	N	70	<200	20	200
82T1253	15	100	N	N	15	N	1,000	.500	50	N	N	N	20	200
82T1255	10	N	N	N	N	N	N	.200	20	N	50	N	N	50
82T1256A	50	N	N	N	20	N	N	.700	200	N	10	N	15	200
82T1256B	100	N	N	N	20	N	N	.500	100	N	30	N	30	200
82T1257	150	N	N	N	20	N	500	.700	100	N	30	<200	40	100
82T1258	150	N	N	N	30	N	300	.700	100	N	50	<200	50	100
82T1261	50	70	N	N	20	N	<100	.500	100	N	50	N	45	500
82T1262	150	<10	N	N	30	N	700	1.000	100	N	50	200	40	100
82T1263	10	30	N	N	15	N	N	.700	70	N	50	N	40	500
82T1264	300	N	N	N	20	N	500	1.000	100	N	30	200	65	100
82T1265	20	N	N	N	30	N	100	.300	200	N	20	<200	90	20
82T1267	<5	50	N	N	<5	N	1,000	.300	20	N	10	N	50	300
82T1268	100	20	N	N	30	20	200	.500	300	N	70	N	15	500
83CL001A	<5	N	N	10	N	N	N	.010	<10	N	N	N	N	10
83CL001B	5	10	<100	34	N	N	N	.100	10	N	N	N	N	20
83CL008	70	20	N	N	30	N	N	.700	200	N	50	N	50	300
83CL020	50	10	N	N	20	N	100	.300	150	N	50	N	40	200
83CL042	<5	<10	N	<2	<5	N	500	.050	10	N	10	N	5	20
83CL044B	150	N	N	<2	15	N	N	.300	50	N	20	N	70	50
83CL044C	15	<10	N	<2	5	N	500	.150	15	N	15	N	25	30
83CL046A	5	70	N	N	N	<10	300	.100	10	N	N	N	30	150
83CL047B	100	50	N	<2	15	N	<100	.300	100	N	50	N	15	200
83CL048A	50	15	N	<2	7	N	500	.200	50	N	20	N	15	70
83CL049	50	20	N	N	20	N	500	.300	150	N	20	N	35	70
83CL060A	50	50	N	16	20	N	N	.500	150	N	30	N	90	200
83CL060D	N	N	N	2	N	N	N	.007	<10	N	N	N	5	N
83CL061A	7	20	N	22	N	N	N	.020	50	N	N	N	15	N
83CL062A	7	N	N	N	N	N	N	.020	50	N	N	N	20	N
83CL062B	70	20	N	4	15	N	<100	.300	300	N	20	<200	85	100
83CL068	15	N	N	N	N	N	100	.020	15	N	15	N	25	10
83CL069A	70	N	N	<2	30	N	100	.700	200	N	30	N	35	100
83CL072A	150	N	N	<2	20	N	<100	.700	300	N	20	N	20	50
83CL072C	100	N	N	N	50	N	200	1.000	300	N	50	N	20	150
83CL074A	<5	N	N	<2	N	N	N	.005	10	N	N	N	<5	<10
83CL082A	5	N	N	N	7	N	100	.150	10	N	20	N	15	100
83CL082B	20	N	N	<2	30	N	<100	1.000	200	N	70	N	45	150
83CL082C	50	N	N	N	10	N	N	.500	150	N	20	N	55	50
83CL084A	N	N	N	<2	N	N	N	.005	<10	N	N	N	<5	N
83CL087A	30	N	N	<2	30	N	100	1.000	200	N	50	N	15	100
83CL087B	30	15	N	N	10	N	150	.200	70	N	20	N	50	50
83CL087C	70	<10	N	<2	5	N	700	.300	50	N	20	N	10	200
83CL088	100	N	N	N	50	N	100	1.000	700	N	30	N	10	100
83CL089	100	N	N	N	50	N	200	.500	200	N	20	N	25	50
83CL093	<5	N	N	N	N	N	N	.002	<10	N	N	N	N	N

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
83CL096B	65 5 2	162 6 37	B A-1	10	N	N	90	--	100	150	<1.0
83CL097A	65 16 0	162 20 9	B B-1	9	N	N	30	--	20	150	<1.0
83CL097B	65 15 35	162 20 38	B B-1	13	N	N	20	--	15	2,000	2.0
83CL098	65 15 23	162 21 21	B B-1	13	N	N	10	--	15	2,000	1.5
83CL099A	65 14 56	162 22 2	B A-1	26	N	N	10	.05	N	50	N
83CL099B	65 14 56	162 22 2	B A-1	25	N	N	10	--	N	N	N
83CL100	65 15 25	162 21 53	B B-1	22	5.0	1,000	1,200	--	>2,000	N	2.0
83CL102	65 14 47	162 22 40	B A-1	30	N	N	N	--	10	500	1.5
83CL104	65 14 56	162 22 3	B A-1	25	N	N	10	--	N	150	N
83CL106A	65 49 34	163 4 38	B D-3	6	N	N	10	--	70	1,500	N
83CL107A	65 51 31	163 13 6	B D-3	4	.7	N	50	--	150	3,000	<1.0
83CL107B	65 51 31	163 13 6	B D-3	7	.5	N	20	--	30	2,000	1.0
83CL107C	65 51 31	163 13 6	B D-3	28	N	N	10	N	20	1,000	2.0
83CL108	65 55 37	163 25 15	B D-3	30	<.5	N	20	--	20	1,000	N
83CL110	65 55 3	163 15 56	B D-3	21	N	N	<10	--	20	20	N
83CL116A	65 19 13	162 16 9	B B-1	27	N	N	N	--	N	300	N
83CL116D	65 19 13	162 16 9	B B-1	27	N	N	N	N	<10	200	N
83CL116E	65 19 13	162 16 9	B B-1	27	N	N	N	N	N	30	N
83CL117A	65 19 26	162 15 57	B B-1	30	N	N	N	--	10	2,000	1.5
83CL118	65 19 39	162 16 11	B B-1	21	<.5	N	N	--	150	700	1.5
83CL123	65 20 41	162 14 19	B B-1	4	N	N	N	--	200	700	1.0
83CL125	65 20 59	162 14 21	B B-1	21	<.5	N	N	--	10	150	N
83CL126	65 15 59	162 15 49	B B-1	30	N	N	N	--	<10	300	N
83CL128	65 41 50	162 25 51	B C-1	2	N	N	10	--	200	500	2.0
83CL131	65 43 57	162 26 27	B C-1	4	N	N	<10	N	70	500	<1.0
83CL132A	65 44 29	162 27 15	B C-1	29	N	N	N	N	<10	30	N
83CL132B	65 44 29	162 27 15	B C-1	30	N	N	N	--	N	50	N
83CL135A	65 12 42	162 40 26	B A-2	30	N	N	N	--	10	1,500	1.0
83DN005A	64 45 13	163 28 29	S D-3	10	N	N	N	--	N	N	N
83DN008A	64 58 5	164 15 41	S D-5	10	N	N	N	--	N	N	N
83DN008B	64 58 5	164 15 41	S D-5	10	N	N	N	--	N	N	N
83DN009B	64 45 9	164 43 16	S D-6	9	N	N	N	--	<10	50	1.0
83DN011D	64 57 47	164 26 28	S D-5	30	N	N	N	--	N	N	N
83DN018A	64 48 22	164 54 0	S D-6	9	N	N	40	--	N	N	N
83DN018B	64 48 22	164 54 0	S D-6	11	N	N	N	--	<10	70	1.0
83DN024A	64 50 25	162 10 2	S D-1	10	N	N	N	--	<10	N	N
83DN026B	64 54 42	162 10 16	S D-1	10	N	N	N	--	10	<20	N
83DN028A	64 43 26	162 58 50	S C-2	8	N	N	N	--	N	20	N
83DN028B	64 43 26	162 58 50	S C-2	8	N	N	N	--	150	500	1.0
83DN029G	64 57 19	164 19 14	S D-5	10	<.5	N	50	--	N	20	N
83DN033B	64 46 42	164 27 37	S D-5	5	N	N	N	--	N	N	N
83DN037X	65 32 14	162 33 26	B C-2	14	N	N	N	--	10	2,000	1.5
83DN038	65 7 8	162 39 28	B A-2	8	N	N	N	--	N	N	N
83DN040	65 7 41	162 42 6	B A-2	8	.5	N	<10	--	20	500	<1.0
83DN041	65 10 32	162 42 5	B A-2	9	N	N	N	--	20	200	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
83CL096B	N	N	.05	N	N	N	1,000	50	7.00	--	N	1.00	20	N	N
83CL097A	N	N	20.00	N	.20	50	300	30	7.00	--	N	1.00	1,500	N	N
83CL097B	N	N	.50	N	.20	N	N	<5	2.00	--	100	.50	700	N	N
83CL098	N	N	1.00	N	.10	N	N	N	1.50	--	100	.50	300	N	N
83CL099A	N	N	5.00	N	<.10	50	150	200	5.00	--	N	2.00	1,000	N	N
83CL099B	N	N	5.00	N	.10	50	200	70	10.00	--	N	2.00	1,000	N	N
83CL100	100	70	.10	N	<.10	10	200	10	5.00	--	50	2.00	70	N	N
83CL102	50	68	1.50	N	.10	20	70	30	5.00	--	N	1.50	1,000	N	N
83CL104	N	N	20.00	N	.10	30	300	<5	7.00	--	N	1.00	1,000	N	N
83CL106A	N	N	20.00	N	.20	5	30	7	1.00	--	N	1.00	200	5	N
83CL107A	N	N	<.05	N	N	N	20	15	1.50	--	N	.30	50	30	N
83CL107B	N	N	<.05	N	N	N	15	7	1.00	--	N	.30	50	N	N
83CL107C	N	N	<.05	N	N	N	10	<5	.20	--	N	.10	30	N	N
83CL108	N	N	.05	N	<.10	N	10	20	.70	--	N	.10	20	10	N
83CL110	N	N	>20.00	N	.10	N	10	<5	10.00	--	N	5.00	3,000	N	N
83CL116A	N	N	20.00	N	.20	N	N	<5	.10	--	N	1.00	20	N	N
83CL116D	N	N	2.00	N	.40	N	N	<5	.05	--	N	1.50	30	N	N
83CL116E	N	N	.70	N	.10	N	N	N	.05	--	N	.05	50	N	N
83CL117A	N	N	1.00	N	.30	10	<10	<5	3.00	--	70	1.00	700	<5	N
83CL118	N	N	.15	N	.20	50	150	50	7.00	--	N	2.00	200	N	N
83CL123	N	N	5.00	N	.60	30	150	50	5.00	--	50	1.50	1,000	10	N
83CL125	N	N	>20.00	N	.30	N	15	70	.70	--	N	1.50	150	N	N
83CL126	N	N	3.00	N	.20	50	500	30	7.00	--	N	3.00	1,000	N	N
83CL128	N	N	3.00	N	.30	50	200	30	5.00	--	100	1.50	1,000	N	N
83CL131	N	N	.05	N	.10	15	50	7	3.00	--	30	.50	150	N	<20
83CL132A	N	N	7.00	N	.40	N	10	<5	1.00	--	N	.50	500	N	N
83CL132B	N	N	20.00	N	1.40	N	<10	<5	.50	--	N	10.00	300	N	N
83CL135A	N	N	.50	N	.10	10	N	<5	2.00	--	150	.30	200	N	<20
83DN005A	N	N	7.00	N	<.10	N	N	<5	.05	--	N	5.00	20	N	N
83DN008A	N	N	>20.00	N	<.10	N	N	N	<.05	--	N	1.00	50	N	N
83DN008B	N	N	20.00	N	N	N	N	N	1.00	--	N	10.00	300	N	N
83DN009B	N	N	5.00	N	N	50	200	50	7.00	--	30	3.00	500	N	30
83DN011D	N	N	15.00	N	N	N	N	N	.20	--	N	10.00	150	N	N
83DN018A	N	N	15.00	N	<.10	N	10	5	1.00	--	N	10.00	200	N	N
83DN018B	N	N	1.00	N	.40	70	150	100	10.00	--	N	1.00	1,500	N	N
83DN024A	N	N	20.00	N	.30	N	15	<5	.50	--	N	.30	150	N	N
83DN026B	N	N	20.00	N	N	N	15	<5	.70	--	N	1.00	200	N	N
83DN026A	N	N	10.00	N	.20	N	20	7	.50	--	N	2.00	100	N	N
83DN028B	N	N	.07	N	N	50	50	<5	5.00	--	50	3.00	300	N	N
83DN029G	N	N	10.00	N	N	30	N	20	7.00	--	N	7.00	700	N	N
83DN033B	N	N	20.00	N	N	N	<10	<5	.10	--	N	.20	100	N	N
83DN037X	N	N	1.50	N	N	15	10	10	2.00	--	150	1.00	700	5	20
83DN038	N	N	N	N	N	N	N	N	N	--	N	<.02	N	N	N
83DN040	N	N	.50	N	.50	N	10	30	1.00	--	N	.10	200	20	N
83DN041	N	N	10.00	N	<.10	20	100	<5	3.00	--	N	3.00	500	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-T1%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
83CL096B	70	<10	N	2	70	N	N	.700	500	N	N	N	5	70
83CL097A	70	15	N	4	50	N	300	.300	200	N	50	N	75	50
83CL097B	N	50	N	N	5	N	1,000	.300	50	N	10	N	50	200
83CL098	<5	30	N	N	5	N	1,000	.300	30	N	15	N	60	200
83CL099A	50	N	N	N	50	N	N	.200	300	N	20	N	15	10
83CL099B	50	N	N	N	50	N	N	.500	500	N	30	N	15	20
83CL100	30	500	N	12	50	70	<100	.500	200	N	100	N	5	200
83CL102	20	15	N	N	15	10	200	.200	100	100	30	N	50	100
83CL104	30	20	N	N	50	N	700	.500	300	N	50	N	20	100
83CL106A	30	10	N	2	7	N	1,000	.100	200	N	20	N	45	50
83CL107A	7	15	N	2	10	N	100	.150	500	N	20	N	5	100
83CL107B	N	N	N	N	7	N	N	.100	70	N	N	N	N	70
83CL107C	7	N	N	N	N	N	<100	.100	150	N	N	N	N	50
83CL108	10	<10	N	N	N	N	N	.100	200	N	N	N	10	30
83CL110	15	10	N	2	<5	N	200	.020	50	N	20	N	15	N
83CL116A	<5	<10	N	<2	N	N	1,000	.010	10	N	N	N	5	<10
83CL116D	5	N	N	2	N	N	N	.010	50	N	N	N	35	N
83CL116E	5	<10	N	N	N	N	N	.002	<10	N	N	N	<5	<10
83CL117A	N	70	N	4	10	<10	500	.300	70	N	30	N	100	200
83CL118	50	20	N	2	30	N	<100	.500	300	N	30	200	85	150
83CL123	50	30	N	N	30	N	500	.500	200	N	70	N	70	150
83CL125	5	<10	N	N	<5	N	500	.070	50	N	N	N	10	20
83CL126	50	N	N	N	50	N	<100	.500	300	N	20	N	45	70
83CL128	70	50	N	2	30	N	200	.500	200	N	70	N	95	150
83CL131	50	15	N	2	15	N	N	.300	100	N	30	N	40	150
83CL132A	7	N	N	2	<5	N	300	.030	30	N	50	N	25	N
83CL132B	5	N	N	2	N	N	150	.020	10	N	10	N	100	N
83CL135A	5	30	N	<2	<5	N	1,000	.300	30	N	30	N	5	200
83DN005A	5	<10	N	<2	N	N	100	.005	<10	N	N	N	<5	N
83DN008A	N	N	N	N	N	N	200	.010	10	N	N	N	N	N
83DN008B	N	N	N	N	N	N	150	.005	15	N	N	N	<5	N
83DN009B	50	<10	N	N	30	N	100	.700	200	N	30	N	55	100
83DN011D	N	N	N	N	N	N	100	.015	10	N	N	N	<5	N
83DN018A	<5	<10	N	4	N	N	200	.030	10	N	N	N	<5	10
83DN018B	100	15	N	N	50	N	N	.500	300	N	50	200	170	70
83DN024A	<5	10	N	N	N	N	300	.050	20	N	10	N	10	50
83DN026B	<5	<10	N	N	5	N	2,000	.050	30	N	10	N	<5	10
83DN028A	10	20	N	2	5	N	1,500	.050	15	N	15	N	5	10
83DN028B	100	20	N	<2	20	N	100	.500	70	N	50	N	50	100
83DN029G	50	10	N	2	N	N	100	.020	15	N	10	N	<5	N
83DN033B	N	N	N	N	N	N	2,000	.020	10	N	N	N	N	<10
83DN037X	10	30	N	N	10	N	1,000	.200	100	N	30	N	25	200
83DN038	N	N	N	N	N	N	N	N	<10	N	N	N	N	N
83DN040	50	N	N	4	N	N	N	.070	500	N	N	N	160	30
83DN041	50	10	N	N	15	N	500	.200	100	N	20	N	15	100

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
83DN042A	66 4 0	162 6 1	K A-1	3	N	N	N	--	N	N	N
83DN042B	66 4 0	162 6 1	K A-1	3	N	N	N	--	N	150	N
83DN042C	66 4 0	162 6 1	K A-1	3	N	N	N	--	<10	<20	N
83DN044A	66 5 22	162 48 23	K A-2	10	N	N	<10	--	N	N	N
83DN044B	66 5 22	162 48 23	K A-2	10	N	N	N	--	10	N	<1.0
83DN047A	66 5 2	162 50 51	K A-2	10	.5	N	N	--	70	1,500	N
83DN051A	66 5 26	162 57 1	K A-2	10	<.5	N	50	--	200	700	1.0
83DN052A	65 33 7	162 33 35	B C-2	14	N	N	N	--	15	2,000	1.5
83DN053A	65 31 40	162 43 15	B C-2	20	N	N	N	--	30	2,000	1.0
83DN055A	65 1 52	162 1 23	B A-1	20	N	N	N	--	<10	300	N
83DN056B	65 2 5	162 1 28	B A-1	20	N	N	N	--	N	<20	N
83DN057A	65 8 34	162 7 15	B A-1	10	N	N	N	--	N	N	N
83DN058A	65 8 52	162 6 56	B A-1	21	N	N	N	--	20	700	<1.0
83DN059B	65 15 22	162 18 15	B B-1	9	.5	N	20	--	150	500	1.5
83DN062A	65 15 36	162 17 13	B B-1	10	N	N	N	--	10	1,500	N
83DN062B	65 15 36	162 17 13	B B-1	10	N	N	N	--	20	300	N
83DN073E	66 5 21	162 47 51	K A-2	15	N	N	N	--	10	N	N
83DN075A	66 2 8	162 37 10	K A-2	10	N	N	N	--	10	<20	<1.0
83DN076A	66 0 48	162 39 19	K A-2	10	N	N	N	--	N	<20	N
83DN078A	65 50 41	163 15 40	B D-3	3	N	N	50	N	<10	<20	<1.0
83DN078C	65 50 41	163 15 40	B D-3	3	N	N	N	--	N	N	N
83DN079A	65 55 13	163 29 29	B D-3	3	N	N	N	--	N	<20	N
83DN080A	65 44 53	162 28 22	B C-1	10	N	N	N	--	10	70	N
83DN080B	65 44 53	162 28 22	B C-1	30	N	N	N	--	<10	20	N
83DN081A	65 44 58	162 28 53	B C-1	30	N	N	N	--	<10	<20	N
83DN083A	65 51 50	162 40 34	B D-2	10	N	N	N	--	N	<20	N
83DN084D	65 52 41	162 35 13	B D-2	21	N	N	N	--	10	N	N
83DN090A	65 21 7	162 12 11	B B-1	21	N	N	10	--	20	200	2.0
83GE001	64 51 42	164 1 43	S D-5	2	N	N	20	--	10	<20	N
83GE002	64 52 39	164 2 35	S D-5	22	.7	300	200	--	100	70	2.0
83GE003	64 52 33	164 3 17	S D-5	30	N	N	N	--	<10	N	<1.0
83GE007A	64 54 32	164 41 51	S D-6	4	<.5	N	40	N	200	1,500	2.0
83GE007B	64 54 32	164 41 51	S D-6	26	.7	N	10	N	<10	N	N
83GE007C	64 54 32	164 41 51	S D-6	27	.7	N	20	N	150	1,500	2.0
83GE007D	64 54 32	164 41 51	S D-6	6	N	N	N	N	<10	500	N
83GE007E	64 54 32	164 41 51	S D-6	4	.5	N	10	N	300	3,000	5.0
83GE009	64 54 10	164 42 11	S D-6	4	N	N	30	N	150	200	2.0
83GE016D	64 54 38	162 29 58	S D-1	15	N	N	N	--	50	1,000	2.0
83GE017B	64 54 7	162 29 21	S D-1	1	N	N	N	--	150	500	3.0
83GE019	64 55 12	164 41 11	S D-6	30	N	N	30	--	20	200	N
83GE021B	64 54 36	164 41 21	S D-6	7	N	N	70	N	N	N	N
83GE022	64 54 19	164 41 44	S D-6	7	N	N	N	--	200	300	3.0
83GE025A	64 54 56	164 38 24	S D-6	23	N	N	N	N	N	N	N
83GE025B	64 54 56	164 38 24	S D-6	22	2.0	N	30	N	N	N	N
83GE025C	64 54 56	164 38 24	S D-6	24	3.0	N	20	N	N	N	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
83DN042A	N	N	>20.00	N	.10	N	N	<5	.20	--	N	.70	150	N	N
83DN042B	N	N	20.00	N	.10	N	15	50	.30	--	N	1.00	200	N	N
83DN042C	N	N	2.00	N	<.10	50	200	100	7.00	--	N	2.00	1,000	N	N
83DN044A	N	N	3.00	N	.10	N	N	<5	N	--	N	.15	N	N	N
83DN044B	N	N	7.00	N	.30	N	<10	20	.10	--	N	1.00	50	N	N
83DN047A	N	N	.50	50	82.00	7	30	50	.50	--	N	.30	150	10	N
83DN051A	N	N	2.00	N	1.60	10	70	20	1.50	--	N	1.00	200	7	N
83DN052A	N	N	1.00	N	N	15	10	7	3.00	--	70	1.00	700	N	N
83DN053A	N	N	1.50	N	.10	50	150	70	5.00	--	N	2.00	1,000	N	N
83DN055A	N	N	.30	N	.20	20	70	15	3.00	--	N	1.50	500	N	N
83DN056B	N	N	5.00	N	.20	N	30	5	.15	--	N	5.00	50	N	N
83DN057A	N	N	3.00	N	N	N	<10	<5	.15	--	N	5.00	100	N	N
83DN058A	N	N	5.00	N	.40	5	50	5	1.00	--	30	.30	100	15	N
83DN059B	N	N	.05	N	.40	70	300	50	7.00	--	N	1.00	200	N	N
83DN062A	N	N	3.00	N	N	50	70	150	7.00	--	N	2.00	1,000	N	N
83DN062B	N	N	5.00	N	<.10	50	300	30	7.00	--	N	5.00	1,500	N	N
83DN073E	N	N	3.00	N	N	70	300	150	10.00	--	N	3.00	1,500	N	N
83DN075A	N	N	5.00	N	.10	N	10	<5	.15	--	N	5.00	50	N	N
83DN076A	N	N	3.00	N	.50	N	<10	<5	<.05	--	N	5.00	50	N	N
83DN078A	N	<1	2.00	N	2.00	30	70	50	5.00	--	70	.50	700	N	N
83DN078C	N	N	10.00	N	N	N	<10	<5	<.05	--	N	2.00	20	N	N
83DN079A	N	N	10.00	N	.10	N	10	5	.15	--	N	.50	50	N	N
83DN080A	N	N	.50	N	N	N	N	<5	2.00	--	N	.70	700	N	N
83DN080B	N	N	.70	N	<.10	10	<10	<5	1.00	--	50	.50	200	N	N
83DN081A	N	N	.10	N	<.10	5	<10	<5	.70	--	N	.30	200	N	N
83DN083A	N	N	10.00	N	<.10	N	20	<5	.20	--	N	.50	50	N	N
83DN084D	N	N	10.00	N	<.10	<5	50	5	2.00	--	N	10.00	500	N	N
83DN090A	N	N	2.00	N	.40	30	70	30	5.00	--	150	1.00	1,000	N	N
83GE001	N	N	1.50	N	1.80	15	50	100	1.50	--	N	1.00	200	N	N
83GE002	N	N	.70	N	N	150	50	2,000	7.00	--	N	.10	70	N	N
83GE003	N	N	.10	N	<.10	N	<10	N	.10	--	N	.03	50	N	N
83GE007A	N	N	.10	N	.10	N	20	20	.70	--	N	.20	15	20	N
83GE007B	N	N	.50	N	2.90	N	N	30	.70	--	N	.07	50	N	N
83GE007C	N	N	.05	N	.20	N	10	100	.70	--	N	.20	30	20	N
83GE007D	N	N	20.00	N	.40	N	<10	200	.50	--	N	2.00	200	N	N
83GE007E	N	N	.05	N	.20	<5	50	10	1.50	--	N	.50	700	20	N
83GE009	N	N	.10	N	<.10	30	100	50	3.00	--	N	1.50	300	N	N
83GE016D	N	N	1.50	N	.10	50	200	70	7.00	--	100	2.00	1,000	N	20
83GE017B	N	N	.20	N	<.10	20	70	10	5.00	--	70	1.00	500	N	N
83GE019	N	N	20.00	N	.10	5	50	150	1.50	--	N	2.00	300	N	N
83GE021B	N	N	5.00	N	<.10	100	50	20	7.00	--	N	1.50	>5,000	N	N
83GE022	N	N	3.00	N	.20	15	100	15	5.00	--	50	2.00	500	N	20
83GE025A	N	N	>20.00	N	N	N	N	200	.50	--	N	.30	1,000	N	N
83GE025B	N	2	10.00	N	.10	N	N	20,000	3.00	--	N	.03	500	N	N
83GE025C	15	20	1.50	N	<.10	N	N	>20,000	10.00	--	N	<.02	70	10	N

Sample	S-HI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
83DN042A	N	N	N	N	N	N	300	.050	20	N	N	N	<5	15
83DN042B	N	<10	N	N	N	N	500	.070	20	N	15	N	10	150
83DN042C	70	N	N	N	30	N	100	.500	200	N	30	N	25	50
83DN044A	N	N	N	N	N	N	N	.002	15	N	N	N	25	<10
83DN044B	N	10	N	N	N	N	N	.030	30	N	N	N	20	15
83DN047A	30	<10	N	2	5	N	N	.100	500	N	10	300	350	30
83DN051A	50	10	N	N	15	N	N	.200	300	N	10	N	85	100
83DN052A	5	30	N	N	10	N	500	.200	150	N	20	N	55	150
83DN053A	100	15	N	N	30	N	N	.700	200	N	30	N	95	100
83DN055A	15	<10	N	2	20	N	100	.300	100	N	20	N	85	50
83DN056B	10	N	N	2	<5	N	100	.010	10	N	<10	N	15	<10
83DN057A	N	N	N	<2	N	N	N	<.002	<10	N	N	N	<5	N
83DN058A	15	10	N	2	7	N	500	.100	50	N	30	N	15	70
83DN059B	150	15	N	14	50	N	N	.700	500	N	N	<200	100	50
83DN062A	50	15	N	N	50	N	<100	1.000	300	N	50	N	55	150
83DN062B	100	N	N	N	30	N	N	.300	200	N	15	N	30	N
83DN073E	70	N	N	N	70	N	150	.700	700	N	50	N	15	100
83DN075A	<5	N	N	<2	<5	N	100	.020	20	N	10	N	25	<10
83DN076A	<5	N	N	N	N	N	<100	.005	<10	N	<10	N	25	<10
83DN078A	30	70	N	<2	7	N	100	.200	50	N	50	N	65	150
83DN078C	N	N	N	<2	N	N	200	<.002	<10	N	N	N	<5	N
83DN079A	<5	20	N	<2	<5	N	1,000	.005	10	N	<10	N	5	<10
83DN080A	5	<10	N	N	10	N	N	.150	30	N	50	N	30	150
83DN080B	<5	N	N	<2	10	N	100	.150	30	N	20	N	35	100
83DN081A	<5	N	N	<2	5	N	<100	.100	10	N	15	N	25	30
83DN083A	5	<10	N	N	<5	N	700	.015	<10	N	<10	N	5	<10
83DN084D	7	15	N	2	7	N	200	.100	50	N	20	N	5	50
83DN090A	50	50	N	N	15	N	<100	.300	100	N	70	N	50	200
83GE001	30	N	N	N	7	N	N	.300	70	N	30	N	15	500
83GE002	100	20	N	N	10	N	100	.300	150	N	50	N	5	100
83GE003	5	N	N	N	N	N	N	.050	20	N	N	N	10	30
83GE007A	20	N	N	N	7	N	N	.150	200	N	15	N	15	100
83GE007B	50	10	N	16	N	N	N	.010	10	N	N	200	230	N
83GE007C	15	10	N	6	5	N	<100	.150	300	N	10	N	45	70
83GE007D	10	30	N	N	N	N	1,500	.030	20	N	15	N	15	10
83GE007E	50	10	N	2	10	N	<100	.300	500	N	15	N	45	100
83GE009	30	30	N	6	20	N	N	.500	150	N	20	N	45	200
83GE016D	100	20	N	N	20	N	500	.300	150	N	30	N	45	150
83GE017B	20	30	N	N	20	N	N	.500	100	N	30	N	40	150
83GE019	15	<10	N	N	10	N	1,000	.050	50	N	15	N	15	50
83GE021B	50	N	N	N	10	N	100	.100	100	N	30	N	20	20
83GE022	50	10	N	N	20	N	100	.300	100	N	20	N	80	200
83GE025A	N	N	N	N	N	N	1,000	.020	15	N	N	N	N	N
83GE025B	7	N	200	260	N	10	100	.010	10	N	N	N	10	N
83GE025C	5	15	N	70	N	50	N	.005	10	N	N	N	N	N

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
83GE025D	64 54 56	164 38 24	S D-6	22	1.5	N	10	N	N	N	N
83GE025G	64 54 56	164 38 24	S D-6	5	N	N	N	--	N	N	N
83GE026A	64 34 5	163 41 42	S C-4	26	7.0	>10,000	27,000	9.10	100	100	2.0
83GE026D	64 34 5	163 41 42	S C-4	26	10.0	>10,000	54,000	31.00	20	70	3.0
83GE026F	64 34 5	163 41 42	S C-4	23	N	1,500	1,200	N	150	200	3.0
83GE026G	64 34 5	163 41 42	S C-4	7	N	N	70	N	150	300	1.5
83GE027A	64 34 14	163 44 39	S C-4	21	10.0	>10,000	48,000	40.00	20	200	1.5
83GE028B	64 33 56	163 35 46	S C-4	16	N	N	70	--	15	700	1.0
83GE031B	64 54 59	164 14 5	S D-5	24	N	N	10	--	N	50	3.0
83GE032B	64 55 58	164 10 22	S D-5	22	5.0	N	N	N	<10	N	N
83GE035B	64 51 19	163 59 35	S D-4	2	N	N	N	N	<10	20	N
83GE035C	64 51 19	163 59 35	S D-4	27	N	N	N	N	<10	N	N
83GE040	64 56 11	164 26 38	S D-5	29	N	N	N	N	<10	N	N
83GE041	64 56 33	164 25 46	S D-5	30	N	N	N	--	N	N	N
83GE042B	64 56 26	164 25 16	S D-5	21	.5	N	30	N	200	2,000	1.0
83GE042C	64 56 26	164 25 16	S D-5	27	N	N	N	N	10	50	N
83GE043A	64 58 21	163 58 27	S D-4	30	N	N	N	N	10	50	N
83GE044	64 58 6	163 58 11	S D-4	29	N	N	N	N	10	N	N
83GE045B	64 57 19	163 53 25	S D-4	21	N	N	N	N	20	700	<1.0
83GE045D	64 57 19	163 53 25	S D-4	29	N	N	N	N	20	100	N
83GE046B	65 1 24	163 44 2	B A-4	30	N	N	N	N	<10	N	N
83GE047	65 1 4	163 43 51	B A-4	30	N	N	10	.10	<10	N	N
83GE048	65 1 15	163 43 5	B A-4	5	N	N	10	--	N	30	N
83GE049C	65 0 54	163 40 16	B A-4	4	N	N	50	N	50	2,000	1.0
83GE051	65 11 44	163 50 39	B A-4	13	<.5	N	10	--	20	<20	15.0
83GE052	65 11 46	163 51 31	B A-4	14	<.5	N	10	--	<10	500	<1.0
83GE053A	65 11 56	163 52 11	B A-4	24	200.0	700	930	--	<10	N	N
83GE053B	65 11 56	163 52 11	B A-4	22	50.0	1,000	600	--	<10	50	2.0
83GE053C	65 11 56	163 52 11	B A-4	23	.5	N	20	--	15	1,500	2.0
83GE054	65 14 34	164 15 10	B A-5	18	<.5	N	10	--	1,500	50	70.0
83GE058C	65 10 43	164 38 32	B A-6	25	N	N	20	--	30	300	2.0
83GE061A	64 51 49	162 27 27	S D-1	24	5.0	700	1,200	--	150	100	<1.0
83GE061B	64 51 49	162 27 27	S D-1	24	.7	3,000	950	--	<10	70	N
83GE062B	65 27 23	162 32 58	B B-2	30	N	N	100	N	10	1,000	1.0
83GE063A	65 27 26	162 32 2	B B-2	24	.5	700	1,100	N	<10	<20	N
83GE063B	65 27 26	162 32 2	B B-2	26	N	N	250	N	<10	N	N
83GE063C	65 27 26	162 32 2	B B-2	27	N	N	20	N	<10	N	N
83GE064A	65 27 10	162 33 1	B B-2	30	<.5	N	<10	N	20	1,500	<1.0
83GE067A	65 41 42	162 36 6	B C-2	14	N	N	N	--	20	1,500	<1.0
83GE070A	65 41 41	162 32 24	B C-2	13	N	N	N	--	<10	1,000	1.0
83GE071A	65 2 38	162 39 38	B A-2	24	7.0	10,000	17,000	--	N	N	N
83GE071B	65 2 38	162 39 38	B A-2	23	2.0	N	120	--	N	N	N
83GE072	65 2 32	162 39 35	B A-2	22	50.0	1,000	1,100	N	N	N	N
83GE073A	65 5 39	162 23 56	B A-1	29	<.5	<200	220	--	700	200	2.0
83GE073B	65 5 39	162 23 56	B A-1	29	N	700	240	--	N	N	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
83GE025D	10	6	1.50	N	.10	N	<10	>20,000	1.00	--	N	<.02	300	5	N
83GE025G	N	N	20.00	N	.10	N	N	30	.05	--	N	.20	50	N	N
83GE026A	N	N	.07	N	N	20	30	<5	3.00	<.02	N	.50	200	N	N
83GE026D	N	6	.70	N	N	50	70	<5	15.00	N	50	.70	200	7	N
83GE026F	N	N	.30	N	<.10	10	70	20	2.00	.02	N	1.00	500	N	20
83GE026G	N	N	.50	N	N	20	70	15	3.00	1.20	30	1.00	300	N	<20
83GE027A	15	10	2.00	N	.20	30	50	15	10.00	.04	50	.10	300	15	N
83GE028B	N	N	2.00	N	<.10	50	200	20	7.00	--	50	3.00	700	5	20
83GE031B	N	N	10.00	N	.30	10	15	7	10.00	--	N	.15	1,000	N	N
83GE032B	N	N	2.00	N	.20	N	N	5,000	.50	--	N	.05	100	N	N
83GE035B	N	N	1.00	N	<.10	7	30	20	1.50	--	N	1.00	150	N	N
83GE035C	N	N	.07	N	<.10	N	N	5	.05	--	N	.03	10	N	N
83GE040	N	N	.70	N	.30	N	N	<5	1.00	--	N	.30	300	N	N
83GE041	N	N	20.00	N	<.10	N	N	30	5.00	--	N	5.00	2,000	N	N
83GE042B	N	N	.05	N	.20	N	50	15	2.00	--	N	.30	50	50	N
83GE042C	N	N	.30	N	.60	N	N	5	.50	--	N	.15	200	N	N
83GE043A	N	N	10.00	N	N	N	<10	7	.30	--	N	.15	100	N	N
83GE044	N	N	7.00	N	N	N	N	<5	.20	--	N	.10	100	N	N
83GE045B	N	N	.20	N	N	30	50	20	5.00	--	N	1.00	500	N	N
83GE045D	N	N	.05	N	.20	7	10	5	1.00	--	N	.30	200	N	N
83GE046B	N	N	2.00	N	.20	N	N	10	.15	--	N	.02	100	N	N
83GE047	N	N	5.00	N	N	N	N	<5	.07	--	N	.02	150	N	N
83GE048	N	N	>20.00	N	N	N	N	<5	.20	--	N	1.50	150	N	N
83GE049C	N	N	.05	N	.80	N	10	15	.70	--	N	.15	100	10	N
83GE051	N	2	5.00	N	.20	10	<10	100	7.00	--	N	.50	1,000	N	N
83GE052	N	N	2.00	N	.20	50	100	200	7.00	--	N	2.00	1,000	N	N
83GE053A	20	14	<.05	150	120.00	10	10	7,000	20.00	--	N	.10	50	20	N
83GE053B	N	N	.20	200	190.00	150	30	>20,000	10.00	--	N	1.00	5,000	5	N
83GE053C	N	N	.30	N	2.20	10	N	100	1.50	--	30	.30	300	N	N
83GE054	10	4	.20	N	.80	<5	N	100	.70	--	N	.10	300	N	30
83GE058C	N	N	5.00	N	.60	15	70	100	3.00	--	50	1.50	500	N	N
83GE061A	20	22	.50	<20	3.20	10	15	300	10.00	--	N	.20	500	N	N
83GE061B	N	2	<.05	N	N	50	N	1,000	20.00	--	N	.20	50	N	N
83GE062B	N	N	.15	N	.10	N	N	<5	.70	--	100	.15	70	N	20
83GE063A	N	4	.20	N	.60	50	N	50	20.00	--	N	.05	500	10	N
83GE063B	N	N	.15	N	N	N	N	N	N	--	N	<.02	20	N	N
83GE063C	N	N	.30	20	9.50	N	N	<5	.10	--	N	.02	30	N	N
83GE064A	N	N	N	N	.20	N	N	<5	.50	--	100	.15	50	N	<20
83GE067A	N	N	.70	N	.30	15	20	<5	3.00	--	100	1.50	200	N	N
83GE070A	N	N	.70	N	.30	15	10	50	2.00	--	150	1.50	200	<5	<20
83GE071A	N	N	.20	100	170.00	N	N	20	10.00	--	N	N	150	N	N
83GE071B	N	N	>20.00	150	92.00	N	N	10	2.00	--	N	10.00	200	N	N
83GE072	N	N	20.00	N	5.30	N	N	300	1.00	--	N	7.00	700	N	N
83GE073A	N	N	3.00	N	.30	20	100	50	5.00	--	N	1.50	1,000	N	N
83GE073B	N	N	.15	N	<.10	N	N	N	.07	--	N	<.02	50	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TIX	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
83GE025D	N	N	N	30	N	10	N	.020	20	N	N	N	<5	N
83GE025G	N	N	N	N	N	N	700	.010	<10	N	N	N	<5	N
83GE026A	50	<10	100	54	10	N	N	.200	100	<50	N	N	15	70
83GE026D	50	20	300	160	15	N	300	.500	150	N	50	200	15	200
83GE026F	30	20	N	10	20	N	100	.500	200	N	20	N	35	200
83GE026G	50	15	N	N	20	N	N	.500	200	N	50	N	45	150
83GE027A	50	150	700	350	10	N	100	.200	100	<50	50	200	70	100
83GE028B	100	30	N	N	20	N	700	.700	150	N	50	N	30	200
83GE031B	15	N	N	2	N	N	200	.050	70	N	20	N	40	30
83GE032B	10	N	<100	100	N	N	N	.003	10	N	N	N	20	N
83GE035B	20	N	N	N	7	N	N	.200	50	N	20	N	10	300
83GE035C	5	N	N	N	N	N	N	.020	10	N	N	N	N	30
83GE040	7	N	N	N	N	N	N	.002	10	N	N	N	5	20
83GE041	5	N	N	N	5	N	150	.020	<10	N	30	N	<5	N
83GE042B	50	N	N	14	10	N	N	.200	700	N	15	N	95	50
83GE042C	20	<10	N	2	N	N	N	.005	20	N	N	N	50	20
83GE043A	7	N	N	N	N	N	500	.020	20	N	N	N	<5	15
83GE044	5	N	N	N	N	N	500	.002	15	N	<10	N	10	10
83GE045B	30	10	N	N	20	N	<100	.500	150	N	10	N	50	50
83GE045D	20	N	N	N	5	N	N	.100	70	N	N	N	30	30
83GE046B	7	N	N	N	N	N	N	.005	N	N	N	N	N	10
83GE047	5	N	N	N	N	N	N	.005	<10	N	N	N	<5	N
83GE048	N	N	N	6	N	N	500	.030	10	N	N	N	<5	10
83GE049C	50	N	N	14	N	N	N	.070	200	N	10	N	45	30
83GE051	5	100	N	N	<5	N	150	.050	10	70	N	<200	30	N
83GE052	50	15	N	N	50	N	200	1.000	300	N	50	N	20	100
83GE053A	10	>20,000	100	42	5	70	N	.100	70	N	N	10,000	8,200	N
83GE053B	70	10,000	N	14	30	10	N	.700	700	<50	70	>10,000	5,100	100
83GE053C	10	150	N	N	5	N	300	.300	30	N	30	200	170	150
83GE054	7	100	N	N	<5	100	N	.030	<10	<50	50	300	110	30
83GE058C	20	100	N	N	20	N	300	.500	50	N	50	300	200	200
83GE061A	7	500	N	2	<5	15	N	.100	50	N	15	1,500	990	50
83GE061B	7	N	N	6	N	N	N	.030	N	N	15	N	10	20
83GE062B	5	<10	N	N	N	N	N	.050	10	N	20	N	20	150
83GE063A	<5	30	N	80	N	N	N	.010	10	N	20	200	270	<10
83GE063B	N	N	N	N	N	N	N	.100	15	N	N	N	N	10
83GE063C	N	N	N	4	N	N	N	.002	10	N	N	1,500	1,400	10
83GE064A	<5	50	N	<2	N	<10	N	.050	<10	N	20	N	20	150
83GE067A	10	50	N	N	10	N	1,000	.200	50	N	20	N	30	100
83GE070A	10	30	N	N	10	N	700	.300	50	N	30	N	20	200
83GE071A	<5	500	700	1,500	N	10	N	.002	<10	N	N	10,000	11,000	N
83GE071B	<5	150	N	32	N	N	100	.010	20	N	10	>10,000	15,000	N
83GE072	N	10,000	>10,000	110,000	N	20	100	.020	20	N	N	N	35	N
83GE073A	50	100	200	300	20	10	150	.500	200	N	50	N	65	200
83GE073B	<5	N	N	10	N	N	N	<.002	20	N	N	N	25	N

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
83GE075	65 6 15	162 24 11	B A-1	18	N	N	60	--	<10	<20	2.0
83GE076A	65 47 27	162 1 25	B D-1	14	.5	N	N	--	10	2,000	2.0
83GE076B	65 47 27	162 1 25	B D-1	14	<.5	N	N	--	<10	2,000	1.0
83GE076C	65 47 27	162 1 25	B D-1	25	1.5	N	N	--	30	1,000	1.0
83GE077	65 52 34	162 5 53	B D-1	30	N	N	10	--	100	100	10.0
83GE080A	65 32 2	162 33 38	B C-2	14	N	N	N	--	<10	1,500	<1.0
83GE080B	65 32 2	162 33 38	B C-2	14	N	N	N	--	<10	1,500	1.0
83GE081A	65 29 19	162 40 46	B B-2	14	N	N	N	--	15	200	N
83GE082A	65 29 49	162 37 59	B B-2	14	N	N	N	--	<10	N	N
83GE084	65 39 17	163 6 50	B C-3	15	N	N	N	--	15	3,000	7.0
83GE087	65 21 20	163 8 47	B B-3	25	N	N	N	--	10	300	2.0
83GE090	65 23 22	163 6 15	B B-3	13	N	N	N	--	<10	1,000	1.5
83GE091	65 15 42	162 22 0	B B-1	30	N	N	10	--	100	1,000	2.0
83GE093	65 15 59	162 42 50	B B-2	13	N	N	N	--	N	1,500	N
83GE100	65 14 1	162 38 28	B A-2	13	N	N	N	--	10	700	1.5
83GE102	65 13 23	162 37 4	B A-2	27	1.0	N	30	--	<10	150	1.0
83GE105A	65 55 0	163 19 13	B D-3	24	1.5	3,000	4,100	--	500	70	1.0
83GE106A	65 55 10	163 19 40	B D-3	7	N	N	N	--	100	700	1.5
83GE106B	65 55 10	163 19 40	B D-3	29	N	N	N	--	15	30	N
83GE109A	65 54 47	163 14 22	B D-3	4	.5	N	20	N	20	1,500	1.0
83GE109C	65 54 47	163 14 22	B D-3	27	N	N	N	--	<10	70	<1.0
83GE109D	65 54 47	163 14 22	B D-3	30	.5	N	40	--	30	2,000	1.0
83GE110	65 51 35	163 6 14	B D-3	24	N	N	N	--	N	20	N
83GE111A	65 51 53	163 3 36	B D-3	24	N	N	30	--	N	150	N
83GE111B	65 51 26	163 4 4	B D-3	24	N	N	N	--	N	30	N
83GE111C	65 51 25	163 5 4	B D-3	24	N	N	N	--	N	50	N
83GE111D	65 51 6	163 4 23	B D-3	24	N	N	N	--	N	100	N
83GE112	65 47 14	163 18 15	B D-3	13	N	N	N	--	20	500	7.0
83GE113	65 47 37	163 17 38	B D-3	30	N	N	N	--	20	70	10.0
83GE115A	65 44 49	163 13 47	B C-3	13	N	N	N	--	50	700	2.0
83GE117	65 44 48	163 12 13	B C-3	13	N	N	N	--	15	1,500	3.0
83GE122	65 42 59	163 8 51	B C-3	13	N	N	N	--	15	1,500	1.5
83GE123	65 38 38	163 6 31	B C-3	15	N	N	N	--	<10	2,000	N
83GE124A	65 42 39	163 8 56	B C-3	13	N	N	N	--	<10	1,500	1.0
83GE129	65 28 27	162 14 25	B B-1	29	N	N	N	N	<10	<20	N
83GE138	64 38 55	164 14 2	S C-5	27	N	<200	60	25.00	20	100	<1.0
83GE139	64 38 55	164 14 2	S C-5	23	<.5	700	700	1.40	100	3,000	3.0
83GE140	64 38 55	164 14 2	S C-5	27	10.0	<200	30	65.00	10	50	<1.0
83GE141	64 38 55	164 14 2	S C-5	26	1.0	>10,000	65,000	16.00	50	100	2.0
83GE142A	65 19 45	163 31 40	B B-4	1	N	200	100	--	N	N	<1.0
83GE142B	65 19 45	163 31 40	B B-4	1	N	N	30	--	500	N	2.0
83GE142C	65 19 45	163 31 40	B B-4	18	N	N	20	--	15	<20	30.0
83GE143A	65 20 18	163 31 38	B B-4	13	N	N	30	--	150	300	5.0
83GE143B	65 20 18	163 31 38	B B-4	18	<.5	N	10	4.00	1,000	500	7.0
83GE144	65 20 40	163 31 46	B B-4	24	N	N	30	--	70	<20	50.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CD	S-CR	S-CU	S-FE%	I-Hg	S-LA	S-MG%	S-MN	S-MO	S-NB
83GE075	N	N	.10	N	.10	N	N	<5	1.00	--	N	.10	150	N	N
83GE076A	N	N	1.50	N	.30	15	20	30	3.00	--	200	1.00	500	50	N
83GE076B	N	N	1.00	N	1.20	10	15	10	2.00	--	200	1.00	300	10	N
83GE076C	N	N	5.00	<20	3.30	15	100	20	2.00	--	N	1.50	700	50	N
83GE077	N	N	<.05	N	<.10	N	15	20	1.00	--	N	.10	200	N	100
83GE080A	N	N	1.50	N	N	20	150	20	3.00	--	50	2.00	700	N	N
83GE080B	N	N	1.50	N	N	20	200	20	3.00	--	50	2.00	700	N	N
83GE081A	N	N	.50	N	N	7	N	7	1.50	--	N	.50	500	N	N
83GE082A	N	N	.50	N	.30	50	30	150	5.00	--	N	3.00	200	N	N
83GE084	N	N	3.00	N	N	30	15	20	5.00	--	300	2.00	1,500	N	N
83GE087	N	N	7.00	N	N	20	70	10	3.00	--	<20	1.00	700	N	N
83GE090	N	N	.70	N	N	N	15	5	1.50	--	100	.20	700	<5	N
83GE091	N	N	.70	N	N	N	N	N	1.00	--	50	.20	100	N	N
83GE093	N	N	.70	N	<.10	N	N	N	3.00	--	50	1.00	200	N	N
83GE100	N	N	.30	N	N	N	N	N	1.50	--	150	.30	200	N	N
83GE102	N	N	N	N	<.10	N	N	N	.70	--	N	.05	50	15	N
83GE105A	N	N	.20	20	8.90	30	500	70	10.00	--	50	.20	1,000	N	50
83GE106A	N	N	1.00	N	.40	30	150	30	7.00	--	50	1.50	700	N	N
83GE106B	N	N	.50	N	.10	N	<10	<5	.70	--	N	.20	150	N	N
83GE109A	N	N	.05	N	.10	N	15	7	1.00	--	N	.20	50	5	N
83GE109C	N	N	1.00	<20	4.00	N	10	70	.50	--	N	.30	500	N	N
83GE109D	N	N	.15	N	2.80	<5	20	100	2.00	--	70	.20	200	10	N
83GE110	N	N	20.00	N	N	N	10	N	10.00	--	N	7.00	3,000	N	N
83GE111A	N	N	10.00	N	.10	30	<10	5	10.00	--	N	5.00	2,000	N	N
83GE111B	N	N	.30	N	.10	N	N	N	1.00	--	N	1.50	700	N	N
83GE111C	N	N	10.00	N	<.10	N	N	N	7.00	--	N	10.00	1,500	N	N
83GE111D	N	N	15.00	N	.30	N	N	<5	7.00	--	70	7.00	2,000	N	N
83GE112	N	N	.50	N	<.10	N	N	<5	1.50	--	70	.30	300	<5	30
83GE113	N	N	1.00	N	N	N	<10	<5	.70	--	300	.70	70	N	N
83GE115A	N	N	.20	N	<.10	10	N	N	1.50	--	150	.20	200	N	20
83GE117	N	N	.70	N	.20	10	N	N	3.00	--	200	1.00	700	N	20
83GE122	N	N	.50	N	<.10	10	N	N	3.00	--	300	.70	300	N	20
83GE123	N	N	.70	N	<.10	15	N	15	2.00	--	200	.70	200	N	N
83GE124A	N	N	.70	N	.10	10	N	N	2.00	--	300	.50	500	N	<20
83GE129	N	N	.05	N	.10	N	N	N	.05	--	N	<.02	30	N	N
83GE138	N	N	.05	N	N	<5	10	<5	.10	.02	N	.05	20	N	N
83GE139	N	N	.20	N	.10	20	150	50	5.00	.02	N	.70	700	10	N
83GE140	N	N	.05	N	.10	N	<10	<5	.10	.04	N	.02	200	N	N
83GE141	N	N	.10	N	.30	10	10	20	7.00	<.02	N	.05	20	5	N
83GE142A	N	N	>20.00	N	N	N	<10	<5	.20	N	N	.10	100	N	N
83GE142B	N	N	.30	N	N	20	200	50	.70	<.02	N	10.00	200	15	N
83GE142C	N	N	1.00	N	.10	N	<10	<5	.15	.02	N	.30	300	N	N
83GE143A	N	N	.50	N	.10	N	<10	<5	.50	<.02	N	.30	100	N	N
83GE143B	N	N	.70	N	.10	N	<10	5	1.00	.02	N	.20	200	N	N
83GE144	N	N	.50	N	4.60	70	10	100	10.00	.30	N	.20	300	70	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TIX	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
83GE075	10	20	N	34	N	N	500	.010	10	N	N	N	15	N
83GE076A	15	150	N	N	15	N	1,000	.500	150	N	50	N	95	500
83GE076B	10	200	N	N	10	N	700	.300	100	N	30	N	130	200
83GE076C	70	300	N	N	20	N	700	.300	200	N	50	700	200	200
83GE077	10	150	N	N	5	10	N	.100	30	<50	20	N	50	200
83GE080A	20	20	N	N	20	N	500	.300	200	N	20	N	55	100
83GE080B	20	20	N	N	20	N	500	.300	150	N	20	N	45	100
83GE081A	<5	N	N	2	15	N	100	.150	100	N	N	N	70	30
83GE082A	30	N	N	N	20	N	N	.300	150	N	20	N	45	30
83GE084	15	30	N	2	20	N	2,000	.500	200	N	50	N	20	200
83GE087	50	10	N	N	20	N	1,000	.300	150	N	30	N	15	200
83GE090	5	20	N	N	N	N	700	.150	30	N	10	N	25	150
83GE091	<5	20	N	2	N	N	N	.200	50	N	N	N	40	200
83GE093	N	50	N	N	<5	N	N	.300	15	N	10	N	30	50
83GE100	N	100	N	N	5	N	100	.200	10	N	N	N	45	200
83GE102	N	10	N	8	N	N	N	.050	10	N	N	N	15	70
83GE105A	150	500	N	86	50	30	<100	>1.000	500	<50	50	1,500	1,700	200
83GE106A	100	20	N	2	20	N	100	.500	200	N	50	N	75	500
83GE106B	10	N	N	N	N	N	N	.030	20	N	N	N	15	30
83GE109A	15	<10	N	8	7	N	N	.150	200	N	<10	N	50	70
83GE109C	30	N	N	N	N	N	100	.005	50	N	10	N	45	<10
83GE109D	50	15	N	18	10	N	1,000	.200	300	N	50	N	90	100
83GE110	30	N	N	N	N	N	300	.030	30	N	70	N	10	N
83GE111A	50	20	N	6	7	N	200	.030	50	N	30	N	10	N
83GE111B	N	N	N	2	N	N	N	.002	20	N	N	N	5	N
83GE111C	30	N	N	2	N	N	200	.030	30	N	20	N	10	N
83GE111D	30	15	N	N	N	N	200	.010	20	N	70	N	10	N
83GE112	<5	100	N	2	5	10	300	.150	30	N	20	N	35	200
83GE113	N	50	N	N	N	10	500	.200	50	200	30	N	5	500
83GE115A	<5	50	N	<2	5	N	300	.200	20	N	30	N	30	150
83GE117	<5	50	N	N	10	<10	1,000	.200	70	N	30	N	40	200
83GE122	<5	70	N	<2	7	N	700	.300	30	N	50	N	40	300
83GE123	5	50	N	N	<5	N	1,500	.200	50	N	30	N	25	50
83GE124A	<5	70	N	N	7	N	700	.150	30	N	70	N	50	200
83GE129	5	N	N	N	N	N	N	<.002	10	N	N	N	N	N
83GE138	5	N	N	6	N	N	N	.050	20	700	<10	<200	10	<10
83GE139	70	<10	N	14	20	N	100	.500	200	N	50	<200	40	200
83GE140	5	N	N	4	N	N	N	.010	10	700	<10	<200	10	N
83GE141	10	<10	200	200	N	N	100	.050	10	N	<10	<200	5	N
83GE142A	N	N	N	N	N	N	300	.005	<10	N	N	<200	5	N
83GE142B	50	<10	N	N	10	20	N	.700	100	N	10	<200	35	150
83GE142C	5	30	N	N	<5	30	N	.010	<10	N	10	<200	25	50
83GE143A	5	50	N	4	<5	<10	N	.070	<10	N	<10	<200	15	50
83GE143B	5	50	N	2	N	15	N	.100	<10	N	<10	<200	25	50
83GE144	2,000	20	N	N	<5	N	N	.020	100	N	70	200	70	<10

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
83GE145A	66 4 1	162 5 44	K A-1	29	N	N	20	--	<10	70	1.0
83GE145B	66 4 1	162 5 44	K A-1	29	N	N	20	--	<10	20	<1.0
83GE145C	66 4 1	162 5 44	K A-1	29	N	N	10	--	<10	300	<1.0
83GE145F	66 4 1	162 5 44	K A-1	30	N	N	10	--	200	2,000	3.0
83GE146A	65 45 53	162 20 8	B D-1	23	1.5	N	30	--	N	<20	<1.0
83GE146B	65 45 53	162 20 8	B D-1	23	N	N	20	--	N	<20	1.0
83GE146C	65 45 53	162 20 8	B D-1	24	7.0	N	100	--	<10	50	1.0
83GE146I	65 45 53	162 20 8	B D-1	23	N	N	10	--	<10	<20	<1.0
83GE147	65 45 53	162 20 8	B D-1	23	15.0	500	470	--	50	300	5.0
83GE148A	65 45 47	162 20 11	B D-1	23	<1.5	N	35	--	<10	50	1.0
83GE148B	65 45 47	162 20 11	B D-1	23	10.0	200	360	--	20	100	3.0
83KN022	66 4 18	162 2 9	K A-1	3	N	N	N	--	50	700	2.0
83KN023	66 4 7	162 2 50	K A-1	8	N	N	N	--	<10	20	N
83KN025	66 3 44	162 0 53	K A-1	3	N	N	N	--	100	700	1.0
83SK020A	65 4 25	163 54 28	B A-4	1	N	N	10	--	100	300	1.5
83SK021A	65 4 51	163 54 50	B A-4	1	N	N	N	--	N	N	N
83SK029A	64 57 15	162 9 31	S D-1	21	N	N	N	--	N	N	N
83SK030A	64 57 54	162 9 17	S D-1	11	N	N	N	--	10	20	N
83SK032A	65 4 12	162 6 51	B A-1	11	N	N	N	--	20	50	N
83SK033A	65 3 56	162 7 38	B A-1	21	.5	N	50	--	200	200	2.0
83SK035A	64 50 36	163 1 26	S D-3	14	N	200	210	--	100	500	7.0
83SK035B	64 50 36	163 1 26	S D-3	9	N	N	N	--	N	N	N
83SK037A	64 47 50	162 56 30	S D-2	14	N	N	100	--	50	700	5.0
83SK038	64 45 34	163 0 19	S D-3	8	N	N	<10	--	100	300	<1.0
83SK047A	65 4 54	162 11 0	B A-1	30	N	N	70	--	150	50	<1.0
83SK048A	65 28 4	162 38 51	B B-2	30	N	N	N	--	15	150	N
83SK051A	65 27 30	162 38 23	B B-2	30	N	N	10	--	<10	70	N
83SK054A	65 36 49	162 12 36	B C-1	2	N	N	N	--	50	700	1.0
83SK062	65 8 13	162 35 21	B A-2	14	N	N	N	--	20	700	5.0
83SK063	65 8 7	162 35 45	B A-2	30	N	N	N	--	10	200	1.5
83SK066	65 6 56	162 37 11	B A-2	8	N	N	N	--	100	300	1.0
83SK069	65 10 45	162 41 34	B A-2	25	N	N	N	--	70	200	1.0
83TI050	64 45 48	164 1 23	S D-5	3	N	N	N	--	20	N	<1.0
83TI059B	64 45 46	164 7 26	S D-5	11	N	N	N	--	150	300	2.0
83TI066	64 53 30	164 43 22	S D-6	21	N	N	40	--	100	500	1.5
83TI079B	64 54 7	162 29 22	S D-1	1	N	N	70	--	100	500	1.5
83TI080B	64 54 14	162 29 42	S D-1	1	N	N	N	--	10	1,000	1.0
83TI082	64 54 15	162 30 14	S D-2	1	N	N	N	--	100	500	1.5
83TI083A	64 54 13	162 30 30	S D-2	1	N	N	N	--	70	1,000	1.0
83TI097	64 52 55	164 44 28	S D-6	30	N	N	<10	--	700	200	<1.0
83TI098	64 55 18	164 38 33	S D-6	11	N	N	N	--	N	N	N
83TI099A	65 4 3	162 33 37	B A-2	3	N	N	50	--	30	1,500	2.0
83TI100B	65 3 59	162 33 8	B A-2	21	.7	2,000	1,700	--	>2,000	500	1.5
83TI102D	65 4 28	162 32 27	B A-2	4	.7	N	20	--	70	1,000	<1.0
83TI110A	64 33 56	163 35 46	S C-4	2	N	N	<10	--	100	500	1.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
83GE145A	N	N	7.00	N	.10	<5	<10	5	2.00	.02	N	.30	1,000	N	N
83GE145B	N	N	20.00	N	.20	<5	<10	10	1.00	.02	N	.50	1,000	N	N
83GE145C	N	N	3.00	N	.10	50	100	100	7.00	.02	N	3.00	1,000	N	N
83GE145F	N	N	.50	N	.20	10	150	50	5.00	<.02	N	2.00	500	N	N
83GE146A	N	N	>20.00	N	1.60	N	10	15	1.00	<.02	N	.70	1,000	<5	N
83GE146B	N	N	10.00	N	2.30	N	<10	20	2.00	N	N	10.00	1,500	N	N
83GE146C	N	N	7.00	300	110.00	20	30	200	10.00	.06	N	.50	>5,000	N	N
83GE146I	N	N	.10	N	.40	N	<10	<5	.20	N	N	.10	1,000	N	N
83GE147	N	N	.10	N	3.30	<5	50	1,000	10.00	.08	N	.30	200	<5	N
83GE148A	N	N	10.00	N	.50	N	10	10	10.00	.02	N	.50	1,500	<5	N
83GE148B	N	N	5.00	200	70.00	10	20	50	7.00	.26	N	2.00	1,000	<5	N
83KN022	N	N	.20	N	<.10	30	200	20	5.00	--	N	1.00	500	N	N
83KN023	N	N	5.00	N	<.10	50	300	100	7.00	--	N	2.00	1,000	N	N
83KN025	N	N	.10	N	.20	<5	50	7	1.50	--	N	.70	100	N	N
83SK020A	N	N	.30	N	.10	30	100	30	5.00	--	20	1.00	700	N	N
83SK021A	N	N	>20.00	N	N	N	N	<5	.05	--	N	.50	100	N	N
83SK029A	N	N	>20.00	N	N	N	N	<5	.07	--	N	.30	150	N	N
83SK030A	N	N	>20.00	N	<.10	N	15	<5	.50	--	N	.50	200	N	N
83SK032A	N	N	20.00	N	<.10	N	20	<5	.70	--	N	1.50	150	N	N
83SK033A	N	N	.20	N	.10	20	700	30	7.00	--	N	1.00	70	7	N
83SK035A	N	N	1.00	N	<.10	N	<10	<5	1.00	--	50	.20	200	N	N
83SK035B	N	N	20.00	N	N	N	10	<5	.50	--	N	1.00	150	N	N
83SK037A	N	N	2.00	N	N	15	30	N	2.00	--	50	1.00	500	N	N
83SK038	N	N	5.00	N	N	20	150	15	3.00	--	N	3.00	300	N	N
83SK047A	N	N	.05	N	.30	7	50	20	2.00	--	N	.02	100	5	N
83SK048A	N	N	5.00	N	.30	50	200	50	5.00	--	N	2.00	1,000	N	N
83SK051A	N	N	2.00	N	N	30	10	10	7.00	--	N	2.00	1,000	N	N
83SK054A	N	N	.10	N	N	10	100	7	2.00	--	N	1.00	500	N	N
83SK062	N	N	.50	N	N	N	N	<5	1.50	--	200	.20	500	N	50
83SK063	N	N	2.00	N	N	20	150	5	3.00	--	30	1.50	1,000	N	N
83SK066	N	N	.70	N	N	30	150	30	5.00	--	N	1.50	700	N	N
83SK069	N	N	20.00	N	.10	20	100	7	2.00	--	N	3.00	500	N	N
83TI050	N	N	3.00	N	.20	50	300	100	7.00	--	N	3.00	1,000	N	N
83TI059B	N	N	.50	N	N	30	200	7	5.00	--	50	2.00	1,000	N	N
83TI066	N	N	1.00	N	<.10	50	100	50	7.00	--	N	1.50	1,000	N	<20
83TI079B	N	N	.20	N	<.10	10	50	5	2.00	--	50	1.00	300	N	N
83TI080B	N	N	<.05	N	N	20	20	5	3.00	--	70	1.00	100	N	N
83TI082	N	N	.07	N	N	10	30	10	2.00	--	150	1.00	50	N	<20
83TI083A	N	N	.05	N	N	15	50	<5	5.00	--	70	.70	100	N	<20
83TI097	N	N	2.00	N	<.10	70	100	50	10.00	--	N	2.00	1,500	N	N
83TI098	N	N	>20.00	N	N	N	N	<5	.10	--	N	.70	100	N	N
83TI099A	N	N	3.00	N	.10	30	100	20	3.00	--	50	2.00	500	<5	N
83TI100B	30	20	2.00	N	.20	20	100	300	5.00	--	N	2.00	500	N	N
83TI102D	N	N	1.00	N	.40	10	50	30	1.50	--	N	2.00	200	10	N
83TI110A	N	N	.70	N	.20	30	50	50	3.00	--	70	1.00	700	N	<20

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TIX	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
83GE145A	30	N	N	N	<5	N	<100	.150	20	N	N	<200	25	N
83GE145B	7	10	N	N	<5	N	1,000	.005	10	N	<10	<200	5	N
83GE145C	100	N	N	N	20	N	200	.700	200	N	30	<200	25	100
83GE145F	30	30	N	N	20	N	<100	.500	200	N	20	<200	55	150
83GE146A	10	100	N	8	N	N	1,000	.010	10	N	20	<200	120	<10
83GE146B	<5	100	N	N	N	N	300	.020	10	N	N	300	550	<10
83GE146C	30	7,000	N	17	5	N	<100	.100	50	N	30	>10,000	14,000	50
83GE146I	5	30	N	N	N	N	N	.002	<10	N	N	<200	30	N
83GE147	30	2,000	<100	37	<5	N	200	.100	100	N	10	700	700	100
83GE148A	10	50	N	18	N	N	200	.010	20	N	N	500	800	N
83GE148B	70	500	700	600	5	N	500	.050	50	N	20	3,000	4,800	10
83KN022	70	20	N	N	30	N	N	.700	200	N	30	N	55	150
83KN023	100	<10	N	N	50	N	200	.700	300	N	50	N	20	70
83KN025	10	<10	N	N	15	N	N	.300	150	N	10	N	35	100
83SK020A	70	20	N	N	20	N	N	.500	200	N	70	N	50	200
83SK021A	N	N	N	N	N	N	300	.015	<10	N	N	N	N	N
83SK029A	N	N	N	N	N	N	300	.015	<10	N	N	N	5	N
83SK030A	<5	N	N	N	N	N	300	.070	15	N	10	N	15	30
83SK032A	5	N	N	N	5	N	700	.070	50	N	10	N	10	20
83SK033A	150	20	N	12	50	N	N	.300	500	N	N	N	10	50
83SK035A	5	50	N	N	N	<10	500	.200	10	N	10	N	40	150
83SK035B	N	N	N	N	N	N	1,000	.030	15	N	N	N	5	10
83SK037A	15	70	N	N	10	<10	1,000	.300	30	N	20	N	25	150
83SK038	70	10	N	N	20	N	300	.300	150	N	20	N	30	100
83SK047A	50	N	N	20	15	N	N	.200	200	N	15	<200	150	100
83SK048A	50	N	N	N	50	N	200	.500	300	N	20	N	45	30
83SK051A	15	<10	N	N	50	N	200	.300	300	N	15	N	25	20
83SK054A	15	20	N	N	20	N	N	.300	200	N	15	<200	65	100
83SK062	<5	70	N	N	N	<10	300	.200	30	N	20	N	25	300
83SK063	70	20	N	N	20	N	200	.500	150	N	20	N	30	200
83SK066	70	20	N	N	20	N	150	.500	150	N	20	N	40	100
83SK069	70	15	N	N	20	N	1,000	.200	150	N	30	N	15	100
83TI050	100	20	N	N	50	N	300	.500	300	N	30	N	15	50
83TI059B	100	10	N	N	30	N	N	.500	150	N	20	N	45	150
83TI066	70	<10	N	N	30	N	200	1.000	200	N	50	N	70	200
83TI079B	15	20	N	N	15	N	N	.500	100	N	50	N	20	200
83TI080B	20	10	N	N	10	N	<100	.300	50	N	20	N	80	150
83TI082	5	20	N	N	15	N	100	.500	70	N	70	N	5	200
83TI083A	10	<10	N	N	20	N	N	.700	70	N	30	N	50	500
83TI097	50	<10	N	N	50	N	200	.700	500	N	50	N	60	100
83TI098	N	N	N	N	N	N	1,000	.010	<10	N	N	N	10	N
83TI099A	100	20	N	N	20	N	200	.500	150	N	50	<200	35	300
83TI100B	20	30	N	6	20	N	500	.500	200	N	30	N	20	100
83TI102D	50	15	N	N	10	N	<100	.200	300	N	20	200	85	100
83TI110A	70	30	N	N	20	N	100	.500	100	N	50	N	65	200

Sample	Latitude	Longitude	Quad.	gx code	S-A6	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
83TI1119	64 54 22	164 6 57	S D-5	16	N	N	N	--	N	2,000	2.0
83TI1127	65 8 18	164 7 48	B A-5	1	N	N	N	--	50	500	1.0
83TI1128B	65 8 11	164 8 7	B A-5	1	N	N	N	N	70	700	<1.0
83TI1129	65 8 4	164 8 21	B A-5	1	N	N	30	--	<10	500	1.0
83TI1133	65 7 2	164 8 51	B A-5	1	N	N	N	--	100	2,000	<1.0
83TI1136	65 5 52	164 8 38	B A-5	1	N	N	N	--	50	1,500	<1.0
83TI1139	65 5 4	164 9 26	B A-5	1	N	N	N	--	70	2,000	<1.0
83TI1139B	65 5 4	164 9 26	B A-5	1	N	N	N	N	20	700	N
83TI1142A	64 46 21	162 20 44	S D-1	10	<.5	N	<10	N	20	70	N
83TI1142B	64 46 21	162 20 44	S D-1	10	N	N	N	--	10	200	N
83TI1144B	64 49 35	163 2 17	S D-3	14	N	N	90	--	20	500	5.0
83TI1146	64 49 30	162 54 23	S D-2	14	N	N	30	--	100	300	20.0
83TI1151	64 55 10	164 23 36	S D-5	2	N	N	<10	--	100	300	1.0
83TI1154	64 53 51	164 16 34	S D-5	2	N	N	N	N	15	300	N
83TI1155B	64 53 45	164 26 40	S D-5	2	N	N	10	--	300	500	1.0
83TI1157	65 31 26	162 36 8	B C-2	14	N	N	30	--	<10	300	N
83TI1159A	65 33 42	162 32 0	B C-2	20	N	N	40	--	100	500	1.5
83TI1159B	65 33 42	162 32 0	B C-2	20	<.5	N	N	--	<10	50	N
83TI1160	65 8 51	162 37 15	B A-2	8	N	N	<10	--	30	300	3.0
83TI1161	65 8 50	162 38 3	B A-2	11	N	N	N	--	100	70	<1.0
83TI1164	65 9 4	162 40 27	B A-2	8	N	N	20	--	150	200	2.0
83TI1166	65 8 37	162 41 14	B A-2	8	N	N	N	--	70	500	2.0
83TI1168C	66 4 3	162 4 46	K A-1	8	N	N	N	--	<10	N	N
83TI1170G	66 4 0	162 4 4	K A-1	8	.5	N	N	--	<10	150	N
83TI1171A	66 3 38	162 11 18	K A-1	21	<.5	N	30	--	150	500	2.0
83TI1171B	66 3 38	162 11 18	K A-1	22	N	N	N	N	<10	<20	N
83TI1171C	66 3 38	162 11 18	K A-1	21	N	N	30	--	150	500	1.0
83TI1171E	66 3 38	162 11 18	K A-1	26	N	N	360	--	N	N	<1.0
83TI1172A	66 3 44	162 11 6	K A-1	11	<.5	N	50	N	100	2,000	1.5
83TI1172B	66 3 44	162 11 6	K A-1	27	N	N	N	--	N	<20	N
83TI1173C	65 57 50	162 15 45	B D-1	3	N	N	N	--	<10	N	N
83TI1174A	66 4 14	162 9 30	K A-1	28	2.0	>10,000	64,000	1.50	<10	N	N
83TI1174B	66 4 14	162 9 30	K A-1	26	N	N	<10	--	<10	N	1.0
83TI1175	66 4 19	162 9 17	K A-1	28	<.5	N	310	N	N	<20	1.0
83TI1175A	65 56 25	162 16 49	B D-1	3	<.5	N	N	--	15	1,000	N
83TI1175B	65 56 25	162 16 49	B D-1	3	N	N	50	--	20	700	N
83TI1176	66 4 22	162 9 4	K A-1	3	N	N	N	--	100	300	1.5
83TI1177	65 52 44	162 26 16	B D-1	10	N	N	N	--	N	<20	N
83TI1181A	65 32 59	162 46 25	B C-2	19	N	N	N	--	<10	50	N
83TI1182A	65 28 49	162 41 0	B B-2	20	N	N	N	--	20	300	N
83TI1184C	65 26 25	162 25 10	B B-1	10	N	N	N	--	N	500	N
83TI1189A	65 15 11	162 23 11	B B-1	1	N	N	N	--	<10	500	2.0
83TI1189C	65 15 11	162 23 11	B B-1	29	N	N	N	--	1,500	100	1.5
83TI1193	65 15 29	162 24 14	B B-1	1	N	N	N	--	10	1,000	1.0
83TI1195	65 15 57	162 25 4	B B-1	25	N	N	N	--	<10	30	N

Sample	S-BI	AA-Bi	S-CAZ	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
83TI1119	N	N	2.00	N	.20	30	150	10	7.00	--	100	1.00	1,000	N	20
83TI1127	N	N	<.05	N	N	50	70	7	7.00	--	N	2.00	500	N	<20
83TI1128B	N	N	.70	N	.10	30	20	50	5.00	--	70	2.00	200	N	N
83TI1129	N	N	.10	N	<.10	30	70	50	3.00	--	50	2.00	700	15	<20
83TI1133	N	N	.07	N	.10	20	50	30	5.00	--	50	2.00	700	N	<20
83TI1136	N	N	.10	N	<.10	30	50	100	10.00	--	100	2.00	1,000	N	N
83TI1139	N	N	.70	N	.20	50	50	10	7.00	--	70	3.00	700	N	N
83TI1139B	N	N	.70	N	<.10	70	150	150	10.00	--	20	5.00	1,000	N	50
83TI1142A	N	N	<.05	N	.30	N	10	50	1.00	--	N	.10	50	70	N
83TI1142B	N	N	2.00	N	.20	30	30	20	3.00	--	30	3.00	200	15	N
83TI1144B	N	N	.30	N	<.10	<5	<10	7	1.00	--	20	.30	150	N	N
83TI1146	<10	N	7.00	N	.10	10	50	5	5.00	--	100	2.00	1,500	N	<20
83TI1151	N	N	.30	N	.60	30	50	15	5.00	--	70	1.50	1,000	N	<20
83TI1154	N	N	5.00	N	.20	20	50	10	3.00	--	N	2.00	700	<5	N
83TI1155B	N	N	<.05	N	.10	20	50	20	2.00	--	30	1.50	150	N	<20
83TI1157	N	N	1.00	N	N	7	N	<5	2.00	--	N	.50	700	N	N
83TI1159A	N	N	.15	N	.50	10	50	20	3.00	--	N	.20	700	20	N
83TI1159B	N	N	.15	N	.30	7	15	<5	2.00	--	N	.50	700	N	N
83TI1160	N	N	.50	N	N	N	N	N	1.00	--	50	.20	200	N	20
83TI1161	N	N	3.00	N	N	70	150	50	10.00	--	N	2.00	1,000	N	20
83TI1164	N	N	.15	N	N	30	150	7	7.00	--	30	1.00	500	N	50
83TI1166	N	N	.10	N	.50	30	150	20	5.00	--	N	1.50	700	N	N
83TI1168C	N	N	5.00	N	<.10	50	200	100	7.00	--	N	2.00	700	N	N
83TI1170G	N	N	5.00	N	<.10	70	15	150	10.00	--	N	2.00	1,000	N	N
83TI1171A	N	N	.05	N	.10	N	200	70	7.00	--	50	2.00	200	N	50
83TI1171B	N	N	<.05	N	N	N	N	N	.10	--	N	.05	150	N	N
83TI1171C	N	N	5.00	N	.20	5	100	10	3.00	--	N	1.50	300	N	N
83TI1171E	N	N	3.00	N	8.80	N	N	15	.10	--	N	<.02	100	N	N
83TI1172A	N	N	<.05	N	N	N	30	5	1.00	--	N	.50	100	N	N
83TI1172B	N	N	<.05	N	N	N	N	N	.05	--	N	.02	50	N	N
83TI1173C	N	N	.07	N	N	N	N	<5	.15	--	N	.10	10	N	N
83TI1174A	10	12	.05	N	2.10	200	N	150	7.00	--	N	.10	200	N	N
83TI1174B	N	N	.20	N	.10	50	100	100	5.00	--	N	1.00	1,000	N	N
83TI1175	N	N	5.00	N	.40	7	70	20	7.00	--	N	3.00	5,000	N	N
83TI1175A	N	N	>20.00	N	1.20	20	50	<5	1.00	--	N	1.50	1,000	N	N
83TI1175B	N	N	.20	N	.10	N	15	15	1.50	--	N	.10	150	N	N
83TI1176	N	N	3.00	N	N	20	100	20	3.00	--	50	2.00	500	N	N
83TI1177	N	N	20.00	N	.20	N	N	N	.10	--	N	10.00	100	N	N
83TI1181A	N	N	3.00	N	N	70	300	70	10.00	--	N	5.00	1,000	N	N
83TI1182A	N	N	.70	N	N	20	70	10	3.00	--	N	1.00	700	N	N
83TI1184C	N	N	>20.00	N	N	N	<10	<5	.70	--	N	1.00	200	N	N
83TI1189A	N	N	.50	N	N	70	70	50	10.00	--	N	1.00	1,000	N	N
83TI1189C	N	N	.30	N	N	N	10	10	1.00	--	N	.20	150	N	N
83TI1193	N	N	.70	N	.10	30	200	7	7.00	--	50	2.00	1,000	N	N
83TI1195	N	N	10.00	N	.10	50	500	N	7.00	--	N	3.00	1,000	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
83TI119	20	20	N	2	20	N	700	.700	150	N	70	N	120	300
83TI127	70	20	N	N	20	N	N	.500	150	N	20	<200	10	150
83TI128B	50	30	N	N	10	N	<100	.700	100	N	30	N	95	100
83TI129	100	20	N	N	30	N	<100	.500	100	N	30	<200	10	200
83TI133	20	<10	N	N	20	N	<100	.300	70	N	50	<200	25	100
83TI136	10	50	N	N	15	N	150	1.000	70	N	20	N	80	100
83TI139	70	70	N	N	20	N	200	.300	100	N	30	<200	90	150
83TI139B	100	N	N	N	30	N	200	>1.000	200	N	50	200	55	200
83TI142A	30	30	N	6	<5	N	N	.100	1,000	N	10	<200	75	20
83TI142B	70	70	N	<2	10	N	300	.300	70	N	15	N	45	70
83TI144B	10	70	N	2	N	N	500	.200	10	N	10	N	20	100
83TI146	15	100	N	6	10	20	500	.200	50	100	30	<200	35	100
83TI151	50	30	N	N	15	N	N	.500	100	N	70	N	75	200
83TI154	20	50	N	<2	7	N	200	.300	50	N	15	N	30	70
83TI155B	30	50	N	N	15	N	N	.500	100	N	30	<200	55	200
83TI157	<5	N	N	N	7	N	200	.100	50	N	10	N	20	20
83TI159A	50	30	N	N	7	N	N	.200	150	N	20	N	80	150
83TI159B	20	50	N	N	5	N	N	.100	30	N	10	N	35	20
83TI160	<5	50	N	N	N	10	200	.150	10	N	15	N	20	150
83TI161	100	20	N	N	50	N	300	1.000	300	N	30	N	25	200
83TI164	70	30	100	220	30	N	<100	1.000	200	N	30	N	65	200
83TI166	70	10	N	4	20	N	N	.300	150	N	30	N	45	200
83TI168C	100	<10	N	N	50	N	200	.700	300	N	50	N	20	100
83TI170G	50	N	N	N	50	N	<100	.500	500	N	50	N	15	50
83TI171A	15	20	N	N	50	N	150	1.000	300	N	100	N	50	500
83TI171B	N	N	N	N	N	N	N	.015	<10	N	N	N	<5	N
83TI171C	20	15	N	N	20	N	200	.500	200	N	50	N	40	150
83TI171E	50	N	N	N	N	N	N	.002	10	N	N	N	190	N
83TI172A	5	N	N	2	10	N	<100	.200	150	N	<10	N	20	70
83TI172B	N	N	N	N	N	N	N	.002	<10	N	N	N	N	N
83TI173C	<5	N	N	N	N	N	N	.010	15	N	N	N	5	<10
83TI174A	100	50	100	74	N	N	N	.007	<10	N	10	N	170	N
83TI174B	100	20	N	N	15	N	200	.300	100	N	20	N	60	70
83TI175	50	10	N	2	30	N	300	.500	100	<50	50	N	55	30
83TI175A	15	10	N	N	10	N	700	.100	100	N	20	N	35	50
83TI175B	7	<10	N	N	<5	N	N	.100	300	N	N	N	25	50
83TI176	50	20	N	N	20	N	200	.500	100	N	50	N	20	200
83TI177	N	N	N	N	N	N	100	.020	20	N	N	N	20	<10
83TI181A	200	N	N	N	50	N	300	1.000	200	N	20	N	60	100
83TI182A	30	N	N	N	20	N	N	.300	100	N	15	N	60	50
83TI184C	N	N	N	N	N	N	500	.020	20	N	10	N	<5	N
83TI189A	100	20	N	2	30	N	N	1.000	200	N	50	200	95	200
83TI189C	7	<10	N	N	N	N	N	.100	50	N	N	N	10	50
83TI193	70	30	N	N	20	N	200	.500	200	N	50	N	45	200
83TI195	150	20	N	N	30	20	500	.500	200	N	30	N	20	70

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
83TI199A	65 4 18	162 40 28	B A-2	1	N	N	N	--	70	300	<1.0
83TI199B	65 4 18	162 40 28	B A-2	1	N	N	N	--	<10	500	N
83TI204	66 0 24	162 37 30	K A-2	10	N	N	N	--	N	N	N
83TI207A	65 49 27	163 14 11	B D-3	3	N	N	N	--	20	200	N
83TI207B	65 49 27	163 14 11	B D-3	3	N	N	N	--	2,000	<20	<1.0
83TI207C	65 49 27	163 14 11	B D-3	3	N	N	N	--	<10	30	N
83TI207D	65 49 27	163 14 11	B D-3	3	<.5	N	20	--	100	1,500	<1.0
83TI207E	65 49 27	163 14 11	B D-3	3	.5	N	30	--	150	1,000	2.0
83TI208B	65 52 41	163 9 58	B D-3	3	N	N	N	--	50	500	1.5
83TI209D	65 55 2	163 27 54	B D-3	3	N	N	N	N	70	500	<1.0
83TI209G	65 55 2	163 27 54	B D-3	3	N	N	N	--	N	<20	N
83TI211	65 45 53	162 27 9	B D-1	10	N	N	N	--	<10	20	N
83TI212A	65 44 29	162 27 15	B C-1	28	N	N	N	--	30	30	N
83TI214A	65 57 7	162 11 12	B D-1	8	N	N	N	--	150	1,000	1.5
83TI214C	65 57 7	162 11 12	B D-1	29	N	N	N	--	<10	N	N
83TI218	65 48 5	162 11 1	B D-1	3	.5	N	N	--	N	N	N
83TI219	65 46 51	162 16 6	B D-1	3	N	N	N	--	N	N	N
83TI232	65 32 41	162 2 21	B C-1	8	N	N	N	--	<10	700	1.5
83TI236B	65 27 9	162 18 3	B B-1	21	N	N	N	--	100	500	1.5
83TI242A	65 36 39	162 24 36	B C-1	27	N	N	N	--	N	N	N
83TI245A	64 39 2	164 13 55	S C-5	23	N	200	240	--	200	2,000	3.0
83TI245B	64 39 2	164 13 55	S C-5	23	N	500	550	--	70	2,000	3.0
83TI245C	64 39 2	164 13 55	S C-5	23	N	N	80	N	100	1,000	3.0
83TI252A	65 19 30	163 32 24	B B-4	21	<.5	N	N	--	50	700	2.0
83TI252B	65 19 30	163 32 24	B B-4	13	N	N	N	--	50	50	50.0
83TI252C	65 19 30	163 32 24	B B-4	18	N	N	N	--	1,000	20	10.0
83TI253A	65 20 4	163 31 42	B B-4	21	N	N	N	--	50	500	2.0
83TI254	65 20 21	163 31 40	B B-4	29	N	N	10	--	10	<20	2.0
83TI257	65 20 54	163 30 11	B B-4	1	N	N	N	--	30	50	2.0
83TI259	65 9 45	163 42 16	B A-4	13	N	N	N	--	10	2,000	2.0
83TI260A	65 40 25	162 27 55	B C-1	23	2.0	N	30	--	N	<20	<1.0
83TI260B	65 40 25	162 27 55	B C-1	21	1.0	N	20	--	50	700	2.0
83TI260C	65 40 25	162 27 55	B C-1	23	N	N	10	--	50	2,000	3.0
83TI261	65 40 40	162 27 30	B C-1	30	N	N	N	--	100	1,500	1.5
84DN001D	64 36 34	162 16 29	S C-1	10	N	N	N	--	<10	<20	N
84DN001G	64 36 34	162 16 29	S C-1	10	N	N	N	--	10	<20	N
84DN003F	64 38 58	162 12 54	S C-1	10	N	N	N	--	N	<20	N
84DN003G	64 38 58	162 12 54	S C-1	21	<.5	N	N	--	<10	<20	N
84DN005A	64 34 31	162 24 17	S C-1	10	N	N	N	--	50	20	N
84DN006A	64 34 46	162 23 23	S C-1	10	N	N	N	--	N	N	N
84DN007A	64 34 15	162 24 43	S C-1	10	N	N	N	--	N	N	N
84DN008A	64 38 31	162 19 22	S C-1	10	N	N	N	--	N	N	N
84DN010A	64 36 57	162 16 59	S C-1	10	N	N	N	--	20	N	N
84DN012A	64 36 11	162 25 14	S C-1	10	N	N	N	--	N	<20	N
84DN013D	64 36 29	162 17 3	S C-1	10	N	N	N	--	50	<20	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
83TI199A	N	N	.05	N	.20	30	50	15	5.00	--	N	2.00	100	N	N
83TI199B	N	N	1.00	N	.20	20	70	10	2.00	--	50	1.50	700	20	N
83TI204	N	N	>20.00	N	.30	N	N	<5	.20	--	N	1.00	200	N	N
83TI207A	N	N	.15	N	.20	30	50	<5	3.00	--	70	2.00	100	N	<20
83TI207B	N	N	.70	N	<.10	30	200	N	10.00	--	50	3.00	300	N	N
83TI207C	N	N	.50	N	.10	10	30	<5	1.50	--	150	1.50	100	N	N
83TI207D	N	N	.10	N	.40	7	20	5	1.00	--	N	.15	15	15	N
83TI207E	N	N	<.05	<20	3.20	30	15	100	5.00	--	N	.15	200	10	N
83TI208B	N	N	.10	N	N	20	70	<5	3.00	--	100	2.00	150	N	<20
83TI209D	N	N	<.05	N	.10	20	50	10	3.00	--	50	2.00	100	N	N
83TI209G	N	N	15.00	N	N	N	N	<5	.05	--	N	.30	15	20	N
83TI211	N	N	5.00	N	.10	50	200	10	10.00	--	N	3.00	1,500	N	N
83TI212A	N	N	10.00	N	.50	N	20	5	1.00	--	N	.70	300	N	N
83TI214A	N	N	.15	N	N	20	200	15	10.00	--	N	2.00	1,500	N	N
83TI214C	N	N	.05	N	N	N	N	N	.07	--	N	.05	70	N	N
83TI218	N	N	>20.00	N	<.10	N	N	<5	<.05	--	N	.70	<10	N	N
83TI219	N	N	>20.00	N	.10	N	N	<5	.07	--	N	.50	70	N	N
83TI232	N	N	2.00	N	.20	20	30	5	5.00	--	50	3.00	1,500	N	N
83TI236B	N	N	7.00	N	.30	30	100	20	5.00	--	50	1.50	1,000	N	N
83TI242A	N	N	.10	N	.10	N	N	N	N	--	N	<.02	50	N	N
83TI245A	N	N	.05	N	N	5	100	20	3.00	.02	N	1.00	500	5	N
83TI245B	N	N	.20	N	.10	10	70	15	1.50	.02	N	.50	500	<5	N
83TI245C	N	N	.10	N	.30	20	100	50	5.00	N	<20	1.50	700	10	<20
83TI252A	N	N	2.00	N	.20	10	100	50	5.00	.06	N	1.50	300	10	N
83TI252B	N	N	.30	N	.10	N	<10	<5	.30	N	N	.10	300	N	50
83TI252C	N	N	.30	N	N	N	<10	<5	.30	<.02	N	.10	200	N	N
83TI253A	N	N	3.00	N	.20	10	100	30	5.00	N	N	1.50	700	N	N
83TI254	N	N	.05	N	N	5	<10	20	.70	<.02	N	.02	20	N	N
83TI257	N	N	5.00	N	.10	20	20	N	3.00	--	30	5.00	300	N	<20
83TI259	N	N	1.00	N	N	<5	<10	<5	2.00	N	50	.70	700	N	<20
83TI260A	N	N	7.00	N	4.50	5	10	50	3.00	--	N	5.00	2,000	10	N
83TI260B	50	35	5.00	N	.30	50	50	30	10.00	--	<20	1.50	2,000	<5	N
83TI260C	N	1	1.00	N	.30	20	100	<5	5.00	--	50	2.00	500	10	N
83TI261	N	N	<.05	N	.30	N	N	N	.07	--	70	.20	50	N	<20
84DN001D	N	N	2.00	N	N	100	150	100	10.00	--	N	3.00	500	N	N
84DN001G	N	N	5.00	N	N	N	<10	<5	.50	--	N	5.00	70	N	N
84DN003F	N	N	10.00	N	.10	N	<10	5	.70	--	N	10.00	150	N	N
84DN003G	N	N	10.00	N	.40	N	10	20	3.00	--	N	2.00	100	N	N
84DN005A	N	N	10.00	N	N	N	20	7	1.00	--	N	1.00	300	N	N
84DN006A	N	N	20.00	N	N	N	N	N	.10	--	N	.20	100	N	N
84DN007A	N	N	>20.00	N	N	N	N	<5	<.05	--	N	1.00	100	N	N
84DN008A	N	N	>20.00	N	N	N	N	5	.07	--	N	.70	50	N	N
84DN010A	N	N	20.00	N	N	N	N	N	.10	--	N	10.00	70	N	N
84DN012A	N	N	>20.00	N	N	N	N	N	.05	--	N	.70	50	N	N
84DN013D	N	N	7.00	N	N	7	50	15	2.00	--	N	7.00	300	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
83TI199A	50	N	N	N	20	N	N	.300	150	N	20	<200	85	70
83TI199B	50	10	N	N	10	N	150	.300	70	N	30	N	15	70
83TI204	N	N	N	2	N	N	500	.020	10	N	N	N	20	20
83TI207A	150	<10	N	N	15	N	100	.300	150	N	30	N	15	100
83TI207B	150	10	N	N	50	N	200	.500	300	N	20	N	25	200
83TI207C	20	N	N	<2	15	N	150	.300	50	N	30	N	5	100
83TI207D	50	<10	N	<2	7	N	<100	.200	200	N	<10	N	85	100
83TI207E	150	10	N	10	7	N	N	.100	200	N	50	500	310	50
83TI208B	50	10	N	N	20	N	100	.500	200	N	50	N	30	300
83TI209D	30	<10	N	N	10	N	N	.300	70	N	30	N	45	150
83TI209G	<5	N	N	N	N	N	700	.007	10	N	<10	N	15	<10
83TI211	70	N	N	N	70	N	200	.700	500	N	70	N	15	100
83TI212A	15	<10	N	N	5	N	300	.100	50	N	30	N	20	50
83TI214A	50	20	N	N	50	N	<100	.500	300	N	70	N	80	200
83TI214C	5	N	N	N	N	N	N	.010	20	N	N	N	5	15
83TI218	N	N	N	N	N	N	200	.002	<10	N	N	N	5	<10
83TI219	N	N	N	N	N	N	500	.020	N	N	N	N	10	10
83TI232	10	30	N	N	20	N	200	.500	150	N	50	N	25	200
83TI236B	50	50	N	N	20	N	300	.300	150	N	50	N	70	150
83TI242A	<5	N	N	N	N	N	N	N	10	N	N	N	5	10
83TI245A	30	20	N	6	20	N	N	.500	100	N	30	<200	60	100
83TI245B	50	<10	N	10	20	N	200	.500	100	N	30	<200	35	100
83TI245C	50	30	N	2	20	N	<100	.500	100	N	50	<200	55	150
83TI252A	30	30	N	N	20	20	700	.500	200	N	50	<200	15	100
83TI252B	5	50	N	N	N	20	N	.030	<10	N	N	<200	30	N
83TI252C	<5	50	N	N	N	10	N	.020	<10	N	<10	<200	5	<10
83TI253A	20	20	N	N	20	15	500	.500	200	N	50	<200	20	100
83TI254	20	N	N	N	N	N	N	<.002	<10	N	N	<200	10	N
83TI257	30	20	N	N	15	30	200	.300	50	N	50	N	10	100
83TI259	<5	30	N	N	5	N	1,000	.500	50	N	20	<200	35	200
83TI260A	10	150	N	4	<5	N	300	.020	20	N	30	<200	350	<10
83TI260B	50	70	N	<2	10	N	300	.200	70	N	30	<200	50	100
83TI260C	70	10	N	<2	15	N	100	.500	150	N	30	N	15	300
83TI261	<5	15	N	<2	5	10	N	.100	<10	N	30	N	15	150
84DN001D	100	N	N	N	50	N	N	.700	300	N	30	N	55	70
84DN001G	N	N	N	N	N	N	N	.020	<10	N	N	N	5	10
84DN003F	15	<10	N	N	N	N	N	.010	N	N	N	N	25	<10
84DN003G	20	10	N	2	N	N	N	.070	10	N	<10	N	90	15
84DN005A	10	10	N	N	<5	N	500	.070	50	N	10	N	5	50
84DN006A	N	N	N	N	N	N	300	.005	N	N	N	N	N	N
84DN007A	N	N	N	N	N	N	300	.003	<10	N	N	N	<5	N
84DN008A	<5	N	N	N	N	N	500	.002	N	N	N	N	5	N
84DN010A	N	N	N	N	N	N	N	.002	N	N	N	N	10	N
84DN012A	5	N	N	N	N	N	1,000	.010	N	N	N	N	<5	<10
84DN013D	20	10	N	N	5	N	200	.100	50	N	10	N	10	30

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84DN013E	64 36 29	162 17 3	S C-1	10	N	N	N	--	<10	<20	N
84DN016	64 39 51	162 23 28	S C-1	30	N	N	10	--	<10	20	N
84DN017A	64 55 48	163 20 36	S D-3	9	N	N	N	--	30	70	N
84DN017F	64 55 36	163 21 8	S D-3	29	N	N	N	--	<10	<20	N
84DN018A	64 55 15	163 21 32	S D-3	9	N	N	N	--	30	50	N
84DN019A	64 50 30	163 13 24	S D-3	9	N	N	N	--	30	30	N
84DN019E	64 50 50	163 13 49	S D-3	9	N	N	N	--	50	200	N
84DN019G	64 51 13	163 14 2	S D-3	9	N	N	N	--	30	50	N
84DN020A	64 51 29	163 7 57	S D-3	9	N	N	N	--	10	30	N
84DN020B	64 51 29	163 7 57	S D-3	27	N	N	N	--	10	<20	N
84DN023A	64 58 59	163 15 37	S D-3	9	N	N	<10	--	<10	<20	<1.0
84DN023B	64 58 59	163 15 37	S D-3	9	N	N	N	--	15	20	N
84DN025A	64 34 9	163 53 2	S C-4	5	N	N	N	--	N	N	N
84DN025F	64 34 1	163 53 33	S C-4	21	N	N	10	--	N	<20	N
84DN026C	64 34 38	163 50 10	S C-4	6	.7	N	N	--	15	150	<1.0
84DN028A	64 40 45	162 18 32	S C-1	10	N	N	N	--	N	<20	N
84DN029A	64 40 47	162 20 10	S C-1	10	N	N	N	--	70	<20	N
84DN029B	64 40 47	162 20 10	S C-1	10	N	N	N	--	<10	N	N
84DN030C	64 40 23	162 20 28	S C-1	10	N	N	N	--	<10	<20	N
84DN031A	64 44 32	162 18 4	S C-1	10	N	N	N	--	10	<20	N
84DN032A	64 44 16	162 9 57	S C-1	10	N	N	N	--	<10	N	N
84DN033A	64 46 3	162 8 19	S D-1	10	N	N	N	--	N	N	N
84DN034A	64 46 59	162 13 39	S D-1	10	N	N	<10	--	30	30	N
84DN035A	64 46 11	162 15 23	S D-1	30	N	N	N	--	N	N	N
84DN037A	65 0 44	162 29 2	B A-1	3	N	N	N	--	N	N	N
84DN037B	65 0 44	162 29 2	B A-1	21	N	N	N	--	N	N	N
84DN039A	65 5 6	163 48 55	B A-4	8	N	N	N	--	50	70	1.0
84DN040A	65 5 39	163 48 31	B A-4	2	N	N	N	--	70	500	1.5
84DN041B	65 29 0	162 0 57	B B-1	10	N	N	N	--	N	N	N
84DN043A	65 7 33	162 10 6	B A-1	9	.5	N	30	--	50	70	N
84DN043B	65 7 33	162 10 6	B A-1	24	.7	3,000	5,800	--	>2,000	20	<1.0
84DN043C	65 7 33	162 10 6	B A-1	21	N	N	20	--	100	20	N
84DN044A	65 7 25	162 9 43	B A-1	9	N	N	N	--	<10	<20	N
84DN045B	65 7 29	162 9 5	B A-1	30	N	N	<10	--	10	<20	N
84DN045E	65 7 29	162 9 5	B A-1	30	N	N	30	--	150	100	<1.0
84DN047A	65 5 18	162 32 19	B A-2	3	<.5	N	N	--	30	1,000	1.0
84DN047B	65 5 18	162 32 19	B A-2	30	N	N	50	--	<10	5,000	<1.0
84DN049A	65 6 16	162 31 59	B A-2	3	.7	N	70	--	100	1,500	<1.0
84DN054C	65 3 5	162 10 23	B A-1	10	N	N	N	--	10	N	N
84DN055B	65 3 17	162 8 21	B A-1	24	.7	N	20	--	100	70	N
84DN056A	65 3 30	162 4 46	B A-1	10	N	N	N	--	N	N	N
84DN058A	65 10 28	162 11 34	B A-1	10	N	N	N	--	10	100	N
84DN059A	64 49 22	162 33 17	S D-2	13	N	N	N	--	10	70	1.0
84DN059C	64 49 22	162 33 17	S D-2	13	N	N	N	--	10	20	N
84DN071A	64 44 26	164 46 3	S C-6	9	N	N	N	--	20	50	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84DN013E	N	N	2.00	N	<.10	50	150	70	5.00	--	N	3.00	300	N	N
84DN016	N	N	.15	N	N	N	N	N	.05	--	N	.10	10	N	N
84DN017A	N	N	20.00	N	N	N	50	7	1.00	--	N	2.00	300	N	N
84DN017F	N	N	20.00	N	N	N	N	<5	.50	--	N	.70	200	N	N
84DN018A	N	N	10.00	N	N	10	70	7	2.00	--	N	2.00	100	N	N
84DN019A	N	N	20.00	N	N	<5	30	7	.70	--	N	1.50	300	N	N
84DN019E	N	N	3.00	N	N	15	150	30	3.00	--	N	2.00	200	N	N
84DN019G	N	N	20.00	N	<.10	<5	50	<5	.70	--	N	1.50	200	N	N
84DN020A	N	N	>20.00	N	<.10	N	50	5	.70	--	N	1.50	150	N	N
84DN020B	N	N	.30	N	N	N	N	N	<.05	--	N	.05	10	N	N
84DN023A	N	N	2.00	N	N	50	200	5	5.00	--	50	2.00	200	N	N
84DN023B	N	N	20.00	N	N	<5	50	5	.50	--	N	1.50	150	N	N
84DN025A	N	N	20.00	N	N	N	N	N	N	--	N	.20	15	N	N
84DN025F	N	N	>20.00	N	N	5	<10	<5	.70	--	N	2.00	500	N	N
84DN026C	N	N	3.00	N	.60	15	70	150	1.50	--	N	.20	300	N	N
84DN028A	N	N	15.00	N	N	N	N	<5	.10	--	N	.15	70	N	N
84DN029A	N	N	15.00	N	N	N	10	7	.20	--	N	1.00	70	N	N
84DN029B	N	N	1.00	N	<.10	20	100	100	2.00	--	N	2.00	500	N	N
84DN030C	N	N	2.00	N	N	100	200	150	5.00	--	N	2.00	300	N	N
84DN031A	N	N	15.00	N	N	N	<10	5	.15	--	N	1.00	30	N	N
84DN032A	N	N	20.00	N	N	N	<10	<5	.15	--	N	10.00	50	N	N
84DN033A	N	N	20.00	N	N	N	N	N	<.05	--	N	.15	30	N	N
84DN034A	N	N	20.00	N	N	N	20	<5	1.00	--	N	1.00	100	N	N
84DN035A	N	N	20.00	N	.20	N	<10	N	.10	--	N	.10	150	N	N
84DN037A	N	N	20.00	N	N	N	N	N	.05	--	N	.70	10	N	N
84DN037B	N	N	20.00	N	N	N	10	N	.50	--	N	10.00	50	N	N
84DN039A	N	N	.05	N	N	20	150	5	5.00	--	N	2.00	200	N	N
84DN040A	N	N	.20	N	N	20	150	70	5.00	--	50	1.50	700	N	N
84DN041B	N	N	10.00	N	N	N	N	N	<.05	--	N	10.00	100	N	N
84DN043A	N	N	10.00	N	<.10	10	30	20	1.00	--	N	1.50	200	N	N
84DN043B	N	N	1.00	N	.40	100	20	20	20.00	--	N	.70	200	N	N
84DN043C	N	N	5.00	N	N	N	20	7	.70	--	N	.30	100	N	N
84DN044A	N	N	5.00	N	N	30	150	50	3.00	--	N	2.00	500	N	N
84DN045B	N	N	.10	N	N	20	N	70	1.00	--	N	.05	10	N	N
84DN045E	N	N	<.05	N	.20	150	500	100	7.00	--	N	1.00	100	N	N
84DN047A	N	N	.50	<20	1.10	7	30	50	1.00	--	N	1.50	100	7	N
84DN047B	N	N	1.50	N	<.10	100	150	70	7.00	--	N	10.00	700	N	N
84DN049A	N	N	1.00	<20	1.50	50	150	200	3.00	--	N	3.00	100	15	N
84DN054C	N	N	15.00	N	N	N	20	5	.20	--	N	10.00	20	N	N
84DN055B	N	N	<.05	N	.20	100	500	100	3.00	--	N	1.00	<10	5	N
84DN056A	N	N	20.00	N	<.10	N	N	<5	<.05	--	N	.20	10	N	N
84DN058A	N	N	20.00	N	.10	N	15	<5	.20	--	N	.50	30	N	N
84DN059A	N	2	.20	N	N	7	20	20	2.00	--	N	.50	70	7	N
84DN059C	N	N	2.00	N	N	50	100	100	3.00	--	N	5.00	500	N	N
84DN071A	N	N	3.00	N	N	30	70	30	2.00	--	N	3.00	200	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84DN013E	70	N	N	N	20	N	<100	.300	150	N	15	N	65	30
84DN016	<5	N	N	10	N	N	N	.003	N	N	N	N	25	N
84DN017A	30	10	N	N	5	N	1,000	.100	20	N	15	N	15	30
84DN017F	5	10	N	N	<5	N	1,000	.003	N	N	15	N	10	<10
84DN018A	30	10	N	N	5	N	700	.070	70	N	10	N	15	30
84DN019A	10	<10	N	N	<5	N	1,000	.070	20	N	<10	N	15	30
84DN019E	70	10	N	N	15	N	100	.200	100	N	15	N	45	100
84DN019G	10	<10	N	N	5	N	700	.100	20	N	20	N	10	50
84DN020A	15	<10	N	N	<5	N	1,000	.050	15	N	<10	N	20	30
84DN020B	N	N	N	N	N	N	N	<.002	N	N	N	N	5	<10
84DN023A	100	<10	N	N	20	N	150	.700	100	N	30	N	35	70
84DN023B	10	<10	N	N	5	N	700	.100	20	N	15	N	5	50
84DN025A	N	N	N	N	N	N	100	.005	N	N	N	N	<5	N
84DN025F	7	<10	<100	50	N	N	100	.010	20	N	<10	N	15	<10
84DN026C	50	30	N	4	10	N	N	.200	100	N	20	N	55	300
84DN028A	N	<10	N	N	N	N	100	<.002	N	N	N	N	N	<10
84DN029A	N	<10	N	N	N	N	1,000	.020	N	N	N	N	<5	10
84DN029B	50	N	N	N	15	N	100	.200	150	N	<10	N	35	20
84DN030C	100	N	N	N	50	N	100	.500	200	N	20	N	35	50
84DN031A	N	<10	N	N	N	N	1,000	.010	N	N	N	N	15	10
84DN032A	N	N	N	N	N	N	N	.030	<10	N	N	N	5	10
84DN033A	N	N	N	N	N	N	300	.005	N	N	N	N	N	N
84DN034A	5	N	N	N	N	N	500	.050	10	N	<10	N	10	10
84DN035A	N	N	N	N	N	N	500	.002	N	N	N	N	10	<10
84DN037A	N	N	N	N	N	N	200	.005	N	N	N	N	<5	<10
84DN037B	N	N	N	N	N	N	N	.005	N	N	N	N	<5	<10
84DN039A	100	10	N	N	15	N	100	.500	150	N	15	N	30	300
84DN040A	70	10	N	N	20	N	N	.500	100	N	50	N	15	300
84DN041B	N	N	N	N	N	N	N	.002	N	N	N	N	N	N
84DN043A	30	100	N	20	<5	N	200	.070	30	N	<10	N	25	30
84DN043B	100	100	200	250	5	N	N	.070	50	N	<10	200	150	30
84DN043C	5	10	N	26	<5	N	100	.050	30	N	<10	N	15	20
84DN044A	100	N	N	N	15	N	200	.200	100	N	20	N	15	30
84DN045B	70	N	N	N	N	N	N	.010	N	N	N	N	<5	<10
84DN045E	500	50	N	6	50	N	N	.500	200	N	<10	<200	200	50
84DN047A	50	<10	N	2	5	N	N	.150	200	N	<10	<200	110	70
84DN047B	100	10	N	N	50	N	200	.500	150	N	20	<200	60	100
84DN049A	100	10	N	4	15	N	<100	.300	200	N	20	<200	130	100
84DN054C	N	<10	N	N	N	N	N	.020	N	N	<10	N	15	<10
84DN055B	500	70	N	4	30	N	N	.500	300	N	10	N	80	100
84DN056A	N	N	N	N	N	N	<100	<.002	N	N	N	N	N	N
84DN058A	N	N	N	N	N	N	150	.020	<10	N	<10	N	10	10
84DN059A	10	<10	N	N	<5	50	N	.100	10	N	10	N	65	300
84DN059C	70	N	N	N	20	N	100	.200	150	N	10	N	10	20
84DN071A	50	10	N	N	5	N	200	.150	50	N	10	N	25	50

Sample	Latitude	Longitude	Quad.	gx code	S-A6	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84DN072A	64 42 57	164 42 15	S C-6	29	N	N	N	--	<10	N	N
84DN072B	64 42 57	164 42 15	S C-6	9	N	N	10	--	50	200	<1.0
84DN073	64 45 20	164 50 37	S D-6	9	N	N	N	--	15	30	<1.0
84DN074A	64 47 46	164 12 47	S D-5	3	N	N	20	--	<10	100	<1.0
84DN074D	64 47 46	164 12 47	S D-5	30	N	N	N	--	10	100	<1.0
84DN075	64 47 58	164 12 48	S D-5	6	N	N	N	--	20	30	N
84DN077	64 48 36	164 12 50	S D-5	4	.5	N	20	--	150	1,500	<1.0
84DN080B	65 46 59	164 10 5	B D-5	24	N	N	<10	--	N	N	N
84DN081C	64 52 9	164 55 3	S D-6	8	N	N	<10	--	50	300	1.0
84DN084	64 52 48	164 55 42	S D-6	6	N	N	<10	--	10	<20	N
84DN086A	64 53 33	164 57 24	S D-6	7	N	N	<10	--	70	200	2.0
84DN090A	64 53 36	164 53 32	S D-6	29	<.5	N	10	--	50	150	1.5
84DN095A	65 12 5	164 8 1	B A-5	1	N	N	N	--	20	300	<1.0
84DN096A	65 10 27	164 5 18	B A-5	1	N	N	N	--	70	500	1.0
84DN096C	65 10 27	164 5 18	B A-5	30	N	N	N	--	<10	<20	N
84DN097A	65 9 54	164 5 7	B A-5	1	N	N	N	--	100	500	2.0
84DN097C	65 9 54	164 5 7	B A-5	1	N	N	N	--	200	500	2.0
84DN098	65 9 25	164 4 23	B A-5	1	N	N	N	--	50	700	1.0
84DN099A	65 8 55	164 3 41	B A-5	18	N	N	<10	--	1,500	100	30.0
84DN099B	65 8 55	164 3 41	B A-5	17	N	N	N	--	10	1,000	1.5
84DN099F	65 8 55	164 3 41	B A-5	17	N	N	N	--	<10	700	1.0
84DN100A	65 4 36	163 49 23	B A-4	8	N	N	<10	--	50	500	1.5
84DN101A	65 4 13	163 50 0	B A-4	8	N	N	10	--	70	300	1.5
84DN102	65 3 54	163 51 28	B A-4	8	N	N	10	--	50	500	1.5
84DN103D	65 8 13	163 53 28	B A-4	1	N	N	N	--	70	300	<1.0
84DN103E	65 8 13	163 53 28	B A-4	13	N	N	N	--	<10	1,500	<1.0
84DN104	65 8 5	163 53 20	B A-4	1	N	N	N	--	15	300	<1.0
84DN105	65 7 49	163 53 16	B A-4	1	N	N	N	--	10	300	<1.0
84DN106A	65 7 19	163 53 25	B A-4	13	N	N	N	--	70	700	1.5
84DN107	64 55 28	164 30 51	S D-6	10	N	N	N	--	N	N	N
84DN111C	64 58 30	164 17 51	S D-5	24	N	N	N	--	N	N	N
84DN122	64 58 1	164 12 5	S D-5	10	N	N	N	--	N	N	N
84DN124A	64 57 35	164 9 45	S D-5	10	N	N	N	--	N	N	N
84DN126A	64 55 21	164 4 3	S D-5	10	N	N	N	--	N	N	N
84DN127A	64 56 38	164 12 22	S D-5	10	N	N	N	--	N	N	N
84GE021A	64 41 41	164 15 15	S C-5	2	N	N	20	--	70	300	1.5
84GE021B	64 41 41	164 15 15	S C-5	29	<.5	N	N	--	20	50	<1.0
84GE022	64 42 24	164 14 34	S C-5	2	N	N	N	--	100	150	1.5
84GE023A	64 42 53	164 13 47	S C-5	2	N	N	N	--	10	50	<1.0
84GE023B	64 42 53	164 13 47	S C-5	29	N	N	N	--	<10	<20	N
84GE025A	64 42 47	164 14 43	S C-5	30	N	N	<10	--	15	20	<1.0
84GE025B	64 42 47	164 14 43	S C-5	6	N	N	20	--	100	300	1.5
84GE026	64 42 13	164 15 19	S C-5	5	N	N	N	--	N	N	N
84GE026B	64 42 13	164 15 19	S C-5	8	N	N	20	--	50	200	1.0
84GE027	64 39 14	164 25 50	S C-5	5	N	N	N	--	N	N	N

Sample	S-BI	AA-Bi	S-CAZ	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84DN072A	N	N	<.05	N	N	N	<10	<5	<.05	--	N	<.02	10	N	N
84DN072B	N	N	10.00	N	N	15	100	20	2.00	--	N	2.00	300	N	N
84DN073	N	N	7.00	N	N	30	150	20	3.00	--	N	3.00	200	N	N
84DN074A	N	N	2.00	N	N	50	70	100	7.00	--	N	3.00	700	N	N
84DN074D	N	N	20.00	N	N	50	100	15	3.00	--	N	5.00	500	N	N
84DN075	N	N	20.00	N	N	N	20	5	.70	--	N	1.50	150	N	N
84DN077	N	N	<.05	N	N	10	50	30	1.50	--	N	2.00	50	50	N
84DN080B	N	N	>20.00	N	N	N	10	5	.20	--	N	>10.00	100	N	N
84DN081C	N	N	1.00	N	N	20	150	30	5.00	--	N	3.00	500	N	N
84DN084	N	N	N	N	N	N	10	<5	.20	--	N	5.00	100	N	N
84DN086A	N	N	<.05	N	N	30	100	10	7.00	--	70	1.50	500	N	30
84DN090A	N	N	.10	N	N	7	100	20	3.00	--	N	1.50	200	N	N
84DN095A	N	N	2.00	N	2.00	15	150	20	3.00	--	50	2.00	150	N	N
84DN096A	N	4	2.00	N	N	20	150	30	5.00	--	50	1.50	1,000	N	<20
84DN096C	N	N	<.05	N	N	N	N	N	.05	--	N	.05	20	N	N
84DN097A	N	N	.15	N	N	20	100	20	3.00	--	70	1.00	300	N	<20
84DN097C	N	N	.50	N	N	30	200	20	7.00	--	100	1.50	700	N	<20
84DN098	N	N	5.00	N	N	15	150	15	5.00	--	50	1.50	300	N	<20
84DN099A	<10	N	.10	N	N	N	N	<5	1.00	--	N	.15	500	N	<20
84DN099B	N	N	.70	<20	2.80	20	50	10	5.00	--	150	1.00	500	<5	20
84DN099F	N	N	.30	N	N	5	15	5	2.00	--	70	.70	200	N	N
84DN100A	N	N	<.05	N	N	20	100	10	5.00	--	30	1.00	300	N	<20
84DN101A	N	N	<.05	N	N	20	100	20	3.00	--	50	1.50	300	N	N
84DN102	N	N	<.05	N	N	20	100	20	5.00	--	50	1.50	300	N	N
84DN103D	N	N	1.50	N	N	50	150	20	5.00	--	N	2.00	500	N	N
84DN103E	N	N	1.00	N	N	N	<10	20	1.50	--	100	.70	150	N	N
84DN104	N	N	10.00	N	N	20	70	20	5.00	--	N	2.00	500	N	N
84DN105	N	N	3.00	N	N	70	50	50	10.00	--	N	2.00	1,500	N	N
84DN106A	N	N	.50	N	N	N	N	N	.70	--	100	.20	150	N	N
84DN107	N	N	20.00	N	N	N	N	<5	.10	--	N	>10.00	100	N	N
84DN111C	N	N	20.00	N	N	N	N	N	.50	--	N	2.00	150	N	N
84DN122	N	N	20.00	N	N	N	N	<5	.07	--	N	.30	150	N	N
84DN124A	N	N	20.00	N	N	N	N	N	N	--	N	.70	100	N	N
84DN126A	N	N	20.00	N	N	N	N	<5	<.05	--	N	1.50	100	N	N
84DN127A	N	N	20.00	N	N	N	<10	<5	.07	--	N	.20	100	N	N
84GE021A	N	N	.30	N	N	20	150	30	5.00	--	20	1.00	200	N	N
84GE021B	N	N	.10	N	N	N	15	5	.70	--	N	.15	70	N	N
84GE022	N	N	.05	N	N	20	150	20	3.00	--	30	1.50	200	N	N
84GE023A	N	N	<.05	N	N	15	70	N	2.00	--	N	5.00	30	N	N
84GE023B	N	N	N	N	N	N	N	N	<.05	--	N	<.02	N	N	N
84GE025A	N	N	<.05	N	N	N	15	<5	.15	--	N	.10	20	N	N
84GE025B	N	N	2.00	N	N	20	150	30	5.00	--	100	2.00	500	N	N
84GE026	N	N	20.00	N	N	N	N	N	<.05	--	N	.20	10	N	N
84GE026B	N	N	1.50	N	N	30	100	20	5.00	--	20	2.00	500	N	N
84GE027	N	N	>20.00	N	N	N	N	N	N	--	N	.20	70	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84DN072A	N	N	N	N	N	N	N	<.002	N	N	N	N	N	N
84DN072B	70	<10	N	N	10	N	300	.100	100	N	10	N	15	30
84DN073	100	<10	N	N	10	N	200	.200	100	N	10	N	15	70
84DN074A	50	<10	N	<2	20	N	300	.700	100	N	20	<200	55	70
84DN074D	50	<10	N	N	15	N	200	.300	100	N	20	N	5	100
84DN075	10	<10	N	N	<5	N	700	.050	20	N	N	N	5	20
84DN077	70	10	N	6	10	N	N	.300	700	N	20	N	70	150
84DN080B	<5	<10	N	N	N	N	150	.020	N	N	N	N	5	<10
84DN081C	50	15	N	N	15	N	N	.200	100	N	30	N	60	150
84DN084	N	N	N	N	N	N	700	.020	N	N	<10	N	5	10
84DN086A	50	15	N	N	20	N	100	1.000	100	N	50	N	110	200
84DN090A	10	15	N	N	10	N	150	.500	70	N	10	N	25	100
84DN095A	50	30	N	N	10	N	200	.200	100	N	30	N	60	100
84DN096A	70	20	N	N	20	N	100	.500	100	N	70	N	100	150
84DN096C	N	N	N	N	N	N	N	.010	N	N	N	N	<5	<10
84DN097A	50	20	N	N	20	N	<100	.500	150	N	30	<200	15	150
84DN097C	70	20	N	N	30	N	200	.700	200	N	50	200	20	150
84DN098	50	15	N	N	20	N	300	.300	150	N	50	N	65	150
84DN099A	5	50	N	N	5	70	N	.050	N	N	30	N	10	70
84DN099B	20	30	N	N	15	N	300	.700	100	N	70	<200	140	200
84DN099F	50	50	N	N	7	N	500	.200	15	N	30	N	45	150
84DN100A	50	20	N	N	20	N	N	.500	100	N	30	N	40	150
84DN101A	50	20	N	N	20	N	N	.500	100	N	30	N	55	100
84DN102	50	10	N	N	20	N	N	.300	150	N	30	N	50	100
84DN103D	50	20	N	N	30	N	N	.500	150	N	50	N	75	100
84DN103E	<5	30	N	N	5	N	1,000	.200	30	N	20	N	55	150
84DN104	50	30	N	N	20	N	500	.200	100	N	30	N	30	50
84DN105	50	15	N	N	30	N	300	1.000	200	N	70	N	40	100
84DN106A	5	150	N	N	<5	15	200	.070	<10	N	15	N	10	30
84DN107	N	N	N	N	N	N	150	.007	10	N	N	N	5	N
84DN111C	N	N	N	N	N	N	200	<.002	N	N	N	N	N	N
84DN122	<5	N	N	N	N	N	300	.007	10	N	N	N	10	N
84DN124A	N	N	N	N	N	N	150	.003	<10	N	N	N	5	N
84DN126A	<5	N	N	4	N	N	200	.005	<10	N	N	N	5	N
84DN127A	5	<10	N	N	N	N	500	.020	<10	N	N	N	5	10
84GE021A	70	<10	N	N	15	N	N	.500	150	N	30	N	40	300
84GE021B	15	N	N	N	<5	N	N	.100	30	N	<10	N	10	50
84GE022	100	<10	N	N	20	N	N	.300	100	N	20	N	35	200
84GE023A	30	N	N	N	7	N	N	.200	50	N	10	N	10	200
84GE023B	N	N	N	N	N	N	N	N	N	N	N	N	<5	N
84GE025A	7	N	N	N	N	N	N	.050	20	N	N	N	N	30
84GE025B	70	10	N	N	20	N	200	.300	150	N	70	N	30	150
84GE026	N	N	N	N	N	N	<100	.002	<10	N	N	N	5	N
84GE026B	50	<10	N	2	15	N	<100	.500	100	N	20	N	30	200
84GE027	N	<10	N	N	N	N	300	.010	10	N	N	N	5	10

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84GE030	64 38 14	164 23 35	S C-5	6	N	N	<10	--	30	100	<1.0
84GE030B	64 38 14	164 23 35	S C-5	30	N	N	N	N	50	500	<1.0
84GE031	64 38 20	164 21 33	S C-5	5	N	N	N	--	N	N	N
84GE032	64 39 6	164 20 10	S C-5	7	N	N	10	--	70	300	1.5
84GE033A	64 39 58	164 18 2	S C-5	7	N	N	N	N	30	700	1.5
84GE033B	64 39 58	164 18 2	S C-5	27	N	N	N	N	<10	100	<1.0
84GE034	64 41 2	164 17 9	S C-5	4	1.0	N	10	--	70	5,000	<1.0
84GE035A	64 43 18	163 58 8	S C-4	30	N	N	N	--	<10	20	N
84GE035B	64 43 18	163 58 8	S C-4	4	<.5	N	20	--	30	500	<1.0
84GE036A	64 43 14	164 1 6	S C-5	11	<.5	N	N	--	<10	20	N
84GE036B	64 43 14	164 1 6	S C-5	8	N	N	N	--	30	70	1.0
84GE036C	64 43 14	164 1 6	S C-5	30	<.5	N	N	--	10	<20	N
84GE036D	64 43 14	164 1 6	S C-5	8	N	N	N	--	50	300	1.5
84GE037A	64 59 43	162 21 52	S D-1	13	20.0	N	N	--	<10	300	5.0
84GE038A	64 59 31	162 22 27	S D-1	25	N	N	N	--	10	300	1.0
84GE038B	64 59 31	162 22 27	S D-1	1	N	N	N	--	10	300	1.0
84GE038C	64 59 31	162 22 27	S D-1	25	N	N	N	--	10	N	<1.0
84GE039A	64 59 38	162 22 58	S D-1	1	N	N	N	--	50	300	1.5
84GE039B	64 59 38	162 22 58	S D-1	1	N	N	10	--	20	150	<1.0
84GE039C	64 59 38	162 22 58	S D-1	25	.5	N	30	--	20	200	1.0
84GE040C	64 59 32	162 23 40	S D-1	30	N	N	N	--	15	N	1.0
84GE041A	64 34 18	163 44 56	S C-4	27	N	N	80	--	<10	N	N
84GE041B	64 34 18	163 44 56	S C-4	23	2.0	<200	190	--	<10	N	N
84GE041C	64 34 18	163 44 56	S C-4	26	5.0	1,500	>2,000	.05	50	<20	<1.0
84GE041D	64 34 18	163 44 56	S C-4	23	.7	500	750	--	50	200	1.0
84GE041E	64 34 18	163 44 56	S C-4	26	2.0	10,000	>2,000	4.00	50	20	N
84GE041X	64 34 18	163 44 56	S C-4	7	N	700	580	--	100	500	1.5
84GE041Z	64 34 18	163 44 56	S C-4	5	N	N	110	--	30	<20	N
84GE042	64 39 51	162 22 33	S C-1	6	N	N	N	--	10	<20	N
84GE043C	64 39 50	162 23 2	S C-1	10	N	N	N	--	150	200	<1.0
84GE045A	64 44 31	162 22 27	S C-1	20	N	N	<10	--	100	300	1.5
84GE045B	64 44 31	162 22 27	S C-1	4	<.5	N	10	--	20	500	N
84GE045D	64 44 31	162 22 27	S C-1	24	N	N	N	--	20	150	N
84GE045E	64 44 31	162 22 27	S C-1	24	N	N	20	--	15	30	2.0
84GE046A	64 48 57	162 10 21	S D-1	10	N	N	N	--	30	<20	N
84GE046E	64 48 57	162 10 21	S D-1	30	N	N	N	--	15	20	N
84GE047D	65 9 56	162 37 54	B A-2	23	N	N	N	--	10	700	2.0
84GE047G	65 9 56	162 37 54	B A-2	25	N	N	N	--	10	700	2.0
84GE047H	65 9 56	162 37 54	B A-2	26	.5	N	N	--	10	500	7.0
84GE048A	65 10 13	162 37 9	B A-2	14	N	N	N	--	10	1,000	2.0
84GE048B	65 10 13	162 37 9	B A-2	27	N	N	N	--	<10	<20	N
84GE049	65 10 18	162 36 54	B A-2	22	<.5	N	N	--	<10	1,000	1.5
84GE050A	65 10 33	162 36 26	B A-2	14	N	N	N	--	15	1,000	3.0
84GE050B	65 10 33	162 36 26	B A-2	27	N	N	N	--	10	20	N
84GE051	65 10 44	162 35 58	B A-2	21	.5	N	10	--	15	1,000	2.0

Sample	S-BI	AA-Bi	S-CAZ	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84GE030	N	N	>20.00	N	N	7	70	5	2.00	--	N	1.00	300	N	N
84GE030B	N	N	20.00	N	.30	15	50	15	2.00	--	N	1.50	500	N	N
84GE031	N	N	>20.00	N	N	N	N	N	.50	--	N	5.00	150	N	N
84GE032	N	N	.05	N	N	20	100	10	3.00	--	N	1.50	200	N	N
84GE033A	N	N	.30	N	.40	20	100	50	3.00	--	20	1.50	300	N	N
84GE033B	N	N	3.00	N	.20	<5	20	<5	1.50	--	N	1.50	1,000	N	N
84GE034	N	N	<.05	N	N	N	30	5	.50	--	N	.20	20	20	N
84GE035A	N	N	<.05	N	N	N	N	N	.15	--	N	.30	10	N	N
84GE035B	N	N	<.05	N	N	N	20	5	.70	--	N	.70	20	10	N
84GE036A	N	N	2.00	N	N	70	100	70	10.00	--	N	2.00	1,500	N	N
84GE036B	N	N	3.00	N	<.10	15	150	100	5.00	--	70	1.50	700	N	N
84GE036C	N	N	1.50	N	.10	10	70	100	1.50	--	N	.70	500	N	N
84GE036D	N	N	1.00	N	N	20	150	20	5.00	--	50	2.00	700	N	N
84GE037A	N	N	.50	N	N	N	N	5	.70	--	<20	.20	100	N	<20
84GE038A	N	N	5.00	N	N	15	100	7	5.00	--	50	1.50	1,000	N	N
84GE038B	N	N	.70	N	N	15	100	20	5.00	--	30	1.50	300	N	N
84GE038C	N	N	10.00	N	N	15	100	<5	3.00	--	N	1.50	5,000	N	N
84GE039A	N	N	.70	N	N	15	70	7	3.00	--	50	1.50	700	N	N
84GE039B	N	N	15.00	N	N	7	70	7	2.00	--	N	1.00	500	N	N
84GE039C	N	N	10.00	N	N	15	100	10	2.00	--	N	1.50	1,000	N	N
84GE040C	N	N	7.00	N	<.10	N	70	5	2.00	--	N	2.00	1,000	N	N
84GE041A	N	N	20.00	N	.80	N	10	10	.50	.08	N	.20	200	N	N
84GE041B	N	N	15.00	N	.70	N	15	20	.70	.42	N	10.00	500	N	N
84GE041C	N	N	.50	N	5.60	7	50	20	1.00	.24	N	.05	70	N	N
84GE041D	N	N	.70	N	.30	20	100	20	1.50	--	N	.15	150	N	N
84GE041E	20	14	.05	N	1.70	N	20	7	1.50	.08	N	.05	N	N	N
84GE041X	N	N	.05	N	.40	10	150	20	2.00	.20	N	.30	70	N	<20
84GE041Z	N	N	10.00	N	1.80	N	30	20	.70	.14	N	.50	50	20	N
84GE042	N	N	>20.00	N	N	N	N	7	.10	--	N	3.00	100	N	N
84GE043C	N	N	5.00	N	N	15	70	20	3.00	--	N	5.00	500	N	N
84GE045A	N	N	.20	N	N	30	150	70	5.00	--	N	1.50	300	N	N
84GE045B	N	N	.30	N	.80	7	20	30	1.00	--	N	.20	100	70	N
84GE045C	N	N	20.00	N	<.10	7	50	10	1.50	--	N	3.00	200	N	N
84GE045E	N	N	2.00	N	.10	30	30	30	15.00	--	N	.20	100	N	N
84GE046A	N	N	15.00	N	N	N	50	7	1.00	--	N	1.50	200	N	N
84GE046E	N	N	1.00	N	N	100	150	100	7.00	--	N	2.00	200	N	N
84GE047D	N	N	.70	N	N	<5	N	<5	2.00	--	200	.20	500	N	N
84GE047G	N	N	2.00	N	<.10	30	150	20	5.00	--	30	3.00	700	N	N
84GE047H	N	N	1.00	N	.10	N	N	<5	.70	--	70	.05	150	200	N
84GE048A	N	N	.70	N	N	7	10	5	2.00	--	100	.50	300	N	20
84GE048B	N	N	<.05	N	N	N	N	N	<.05	--	N	<.02	10	15	N
84GE049	N	N	.50	N	N	10	10	100	2.00	--	100	.50	300	70	<20
84GE050A	N	N	.50	N	N	7	10	5	1.50	--	100	.30	200	<5	<20
84GE050B	N	N	N	N	N	N	<10	N	<.05	--	N	<.02	10	N	N
84GE051	N	N	.50	N	N	N	10	100	2.00	--	100	.50	300	500	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84GE030	20	10	N	N	7	N	1,000	.100	70	N	20	N	20	30
84GE030B	20	30	N	N	7	N	500	.150	100	N	20	N	45	70
84GE031	N	10	N	N	N	N	200	.007	<10	N	<10	N	<5	<10
84GE032	50	<10	N	N	10	N	N	.300	100	N	15	N	85	150
84GE033A	70	N	N	N	15	N	<100	.500	100	N	20	N	35	200
84GE033B	10	10	N	N	5	N	100	.100	30	N	15	N	20	30
84GE034	20	N	N	16	5	N	N	.150	700	N	15	N	50	70
84GE035A	5	N	N	N	N	N	N	.010	30	N	N	N	N	10
84GE035B	20	N	N	N	<5	N	N	.100	150	N	N	N	5	50
84GE036A	50	30	N	2	20	N	300	1.000	150	N	20	N	60	50
84GE036B	70	70	N	2	20	N	700	.500	100	N	50	N	30	150
84GE036C	20	N	N	4	7	N	200	.150	70	N	10	N	10	50
84GE036D	70	10	N	N	20	N	100	.300	100	N	30	N	65	150
84GE037A	7	20	N	N	<5	N	200	.100	20	N	<10	N	15	100
84GE038A	50	20	N	N	20	<10	700	.300	70	N	30	N	15	100
84GE038B	30	20	N	N	20	N	300	.300	100	N	20	N	110	100
84GE038C	50	15	N	N	20	50	300	.150	70	N	30	<200	20	70
84GE039A	50	15	N	N	20	N	100	.300	100	N	30	N	60	150
84GE039B	30	100	N	N	10	N	1,000	.150	70	N	20	N	15	50
84GE039C	50	150	N	N	15	N	1,000	.200	100	N	30	N	15	100
84GE040C	10	100	N	N	15	15	700	.150	100	N	20	N	20	20
84GE041A	15	15	N	20	N	N	500	.015	30	N	15	N	55	<10
84GE041B	7	200	700	470	<5	N	100	.030	15	N	10	N	230	20
84GE041C	20	300	700	>1,000	5	N	N	.200	70	N	10	300	330	150
84GE041D	50	50	<100	38	10	N	N	.200	100	N	20	N	110	150
84GE041E	N	500	300	540	<5	N	N	.100	30	N	N	N	65	70
84GE041X	50	10	N	18	15	N	N	.500	150	N	15	N	65	200
84GE041Z	30	10	N	8	N	N	1,000	.050	150	N	15	N	55	20
84GE042	N	N	N	N	N	N	700	.005	N	N	N	N	5	N
84GE043C	50	10	N	N	10	N	100	.150	100	N	10	N	15	100
84GE045A	100	<10	N	N	20	N	N	.300	100	N	15	N	75	300
84GE045B	100	N	N	2	5	N	N	.100	700	N	10	N	100	50
84GE045D	20	<10	N	N	<5	N	700	.100	30	N	<10	N	10	30
84GE045E	70	20	N	14	5	N	N	.070	50	N	<10	200	180	20
84GE046A	7	<10	N	N	<5	N	300	.070	15	N	10	N	15	70
84GE046E	100	N	N	N	20	N	N	.700	200	N	15	<200	55	70
84GE047D	N	20	N	N	<5	N	700	.150	20	N	15	N	25	500
84GE047G	70	10	N	N	20	N	500	.500	100	N	30	N	60	200
84GE047H	N	30	N	N	N	N	100	.050	N	70	<10	N	30	150
84GE048A	N	20	N	N	<5	N	1,000	.200	70	N	30	N	25	500
84GE048B	N	N	N	N	N	N	N	.002	N	70	N	N	N	N
84GE049	<5	70	N	N	<5	10	500	.200	50	500	15	N	25	500
84GE050A	N	20	N	N	<5	N	500	.200	50	<50	15	N	40	500
84GE050B	N	N	N	N	N	N	N	.002	N	N	N	N	N	N
84GE051	N	50	N	N	<5	<10	1,000	.150	20	50	10	N	25	100

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84GE052A	65 11 1	162 35 32	B A-2	21	<.5	N	N	--	10	3,000	3.0
84GE052B	65 11 1	162 35 32	B A-2	14	<.5	N	N	--	10	1,000	1.0
84GE053A	65 11 14	162 34 57	B A-2	14	N	N	N	--	10	1,000	1.0
84GE054	65 10 27	162 36 37	B A-2	14	N	N	N	--	15	700	5.0
84GE055	65 17 20	163 1 58	B B-3	13	N	N	N	--	<10	1,000	3.0
84GE056	65 17 5	163 3 20	B B-3	13	N	N	N	--	<10	1,500	2.0
84GE056B	65 17 5	163 3 20	B B-3	13	N	N	N	--	<10	150	7.0
84GE057	65 16 41	163 4 13	B B-3	14	1.0	N	N	--	<10	1,000	1.0
84GE057D	65 16 41	163 4 13	B B-3	13	N	N	N	--	10	1,000	2.0
84GE059	65 16 13	163 4 34	B B-3	13	<.5	N	N	--	<10	1,000	2.0
84GE060	65 15 51	163 4 53	B B-3	16	N	N	N	--	10	1,000	1.0
84GE061	65 15 44	163 4 59	B B-3	27	.5	5,000	5,400	--	10	100	1.0
84GE063A	65 15 13	163 5 29	B B-3	18	N	N	N	--	20	100	7.0
84GE064	65 15 1	163 5 39	B B-3	13	N	N	N	--	<10	1,000	1.0
84GE064A	65 3 26	163 41 45	B A-4	5	N	N	N	N	<10	20	N
84GE066B	65 3 26	163 41 45	B A-4	27	N	N	N	.25	70	300	<1.0
84GE067A	65 3 7	163 41 15	B A-4	29	N	N	N	N	<10	<20	N
84GE067B	65 3 7	163 41 15	B A-4	27	N	N	N	N	100	150	1.0
84GE067C	65 3 7	163 41 15	B A-4	29	N	N	N	.10	<10	30	N
84GE067D	65 3 7	163 41 15	B A-4	7	N	N	N	N	100	100	<1.0
84GE067E	65 3 7	163 41 15	B A-4	29	N	N	N	N	200	50	N
84GE068A	65 2 51	163 40 53	B A-4	7	N	N	<10	N	30	70	1.0
84GE069A	65 2 36	163 39 7	B A-4	27	N	N	90	N	<10	<20	N
84GE069B	65 2 36	163 39 7	B A-4	5	N	N	<10	N	10	70	N
84GE070	65 2 18	163 39 2	B A-4	4	.5	N	10	N	50	1,500	1.0
84GE071A	65 10 30	162 38 29	B A-2	23	N	N	N	--	10	500	5.0
84GE071C	65 10 30	162 38 29	B A-2	30	N	N	<10	--	10	1,000	<1.0
84GE071E	65 10 30	162 38 29	B A-2	25	N	N	N	--	15	300	1.0
84GE071F	65 10 30	162 38 29	B A-2	30	N	N	N	--	10	500	2.0
84GE071G	65 10 30	162 38 29	B A-2	30	<.5	N	N	--	15	200	2.0
84GE071H	65 10 30	162 38 29	B A-2	23	N	N	N	--	<10	100	10.0
84GE071I	65 10 30	162 38 29	B A-2	24	.5	N	20	--	10	1,000	2.0
84GE072	65 10 32	162 37 55	B A-2	14	N	N	N	--	10	1,500	3.0
84GE073B	65 11 22	162 34 41	B A-2	30	10.0	N	30	--	20	1,000	2.0
84GE074	65 9 11	162 26 54	B A-1	14	N	N	N	--	10	1,000	3.0
84GE075A	65 8 18	162 32 1	B A-2	14	N	N	N	--	10	700	2.0
84GE075B	65 8 18	162 32 1	B A-2	14	N	N	N	--	<10	300	1.0
84GE076	65 7 58	162 31 26	B A-2	30	2.0	N	170	--	10	300	<1.0
84GE077A	65 7 55	162 30 49	B A-2	1	N	N	N	--	30	300	<1.0
84GE077B	65 7 55	162 30 49	B A-2	25	N	N	N	--	20	1,500	N
84GE077C	65 7 55	162 30 49	B A-2	1	N	N	N	--	<10	<20	N
84GE079	65 8 43	162 34 31	B A-2	14	N	N	N	--	<10	1,000	1.0
84GE080	65 10 49	162 32 14	B A-2	14	N	N	N	--	10	1,500	1.5
84GE081	65 7 45	162 33 37	B A-2	25	N	N	10	--	70	500	1.0
84GE082	65 9 59	162 27 35	B A-1	14	N	N	N	--	10	1,000	1.0

Sample	S-BI	AA-Bi	S-CAY	S-CD	AA-Cd	S-CD	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84GE052A	N	N	1.00	N	.10	5	10	70	2.00	--	300	.50	300	N	N
84GE052B	N	N	.70	N	.50	N	<10	<5	2.00	--	70	.30	700	N	N
84GE053A	N	N	.30	N	N	N	N	N	1.00	--	50	.20	150	N	N
84GE054	N	N	.70	N	N	5	<10	N	1.00	--	70	.30	300	N	N
84GE055	N	N	1.00	N	N	N	<10	10	1.00	--	50	.30	200	N	N
84GE056	N	N	1.00	N	.20	7	10	<5	2.00	--	70	1.00	500	N	N
84GE056B	N	N	.20	N	N	N	N	<5	.30	--	N	.03	100	N	N
84GE057	N	N	1.50	N	<.10	20	200	7	2.00	--	70	2.00	500	<5	N
84GE057D	N	N	<.05	N	.20	N	<10	7	1.50	--	50	.15	200	N	N
84GE059	N	8	.70	N	.10	5	<10	10	1.50	--	70	.70	150	N	N
84GE060	N	N	1.50	N	N	30	150	10	3.00	--	70	2.00	500	N	N
84GE061	<10	4	N	N	N	N	N	5	.50	--	N	.10	20	N	N
84GE063A	N	N	.15	N	.20	N	N	N	.70	--	N	.15	150	N	N
84GE064	N	N	.50	N	<.10	<5	N	N	1.50	--	50	.30	200	N	N
84GE066A	N	N	20.00	N	N	N	N	<5	.10	--	N	.30	100	N	N
84GE066B	N	N	15.00	N	N	7	30	15	.70	--	N	1.50	200	N	N
84GE067A	N	N	20.00	N	.10	N	N	N	.20	--	N	.30	300	N	N
84GE067B	N	N	1.00	N	N	15	30	<5	3.00	--	N	1.50	500	N	N
84GE067C	N	N	5.00	N	N	N	N	5	.20	--	N	.10	70	7	N
84GE067D	N	N	.05	N	N	15	100	7	3.00	--	30	5.00	70	N	N
84GE067E	N	N	.05	N	N	15	20	<5	2.00	--	150	1.00	70	N	N
84GE068A	N	N	5.00	N	<.10	10	30	<5	2.00	--	50	1.50	500	N	N
84GE069A	N	N	15.00	N	.20	N	N	N	.10	--	N	.20	200	N	N
84GE069B	N	N	20.00	N	<.10	N	<10	<5	.20	--	N	2.00	200	N	N
84GE070	N	N	1.00	N	.50	10	20	50	2.00	--	N	1.00	100	10	N
84GE071A	N	N	.50	N	N	N	N	<5	1.50	--	100	1.50	200	N	<20
84GE071C	N	N	1.00	N	.20	5	N	10	3.00	--	300	.30	700	5	<20
84GE071E	N	N	1.50	N	N	30	150	<5	3.00	--	N	3.00	500	10	N
84GE071F	N	N	7.00	N	N	30	150	5	5.00	--	70	5.00	1,500	N	N
84GE071G	N	N	3.00	N	N	N	N	7	.50	--	N	.03	50	N	N
84GE071H	N	N	.05	N	N	N	<10	<5	1.00	--	N	.20	100	N	<20
84GE071I	N	N	.10	N	N	70	N	150	3.00	--	N	.10	100	<5	20
84GE072	N	N	.50	N	N	5	<10	<5	2.00	--	200	.70	300	N	20
84GE073B	15	18	<.05	N	<.10	<5	N	10	1.50	--	100	.30	100	20	N
84GE074	N	N	.70	N	N	5	<10	<5	2.00	--	150	.30	300	N	N
84GE075A	N	N	.50	N	.10	7	N	N	1.50	--	20	.50	500	N	<20
84GE075B	N	N	.50	N	N	N	N	<5	1.50	--	N	.10	200	N	N
84GE076	N	N	.05	N	.20	5	<10	50	3.00	--	150	.10	150	10	<20
84GE077A	N	N	1.50	N	N	15	150	50	3.00	--	50	2.00	200	N	N
84GE077B	N	N	10.00	N	N	50	200	50	5.00	--	50	3.00	200	N	N
84GE077C	N	N	20.00	N	N	N	N	N	.15	--	N	10.00	200	N	N
84GE079	N	N	.50	N	N	<5	N	N	1.50	--	20	.20	150	N	N
84GE080	N	N	.70	N	N	10	15	N	2.00	--	150	.70	300	N	N
84GE081	N	N	2.00	N	.20	20	150	5	5.00	--	50	2.00	300	N	N
84GE082	N	N	1.00	N	N	10	N	5	3.00	--	100	1.00	500	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TIX	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84GE052A	N	30	N	N	N	N	1,000	.150	10	<50	10	N	35	150
84GE052B	N	150	N	N	<5	N	1,000	.200	10	N	15	<200	180	300
84GE053A	N	10	N	N	<5	N	700	.150	10	N	10	N	25	200
84GE054	N	10	N	N	N	N	700	.150	30	N	15	N	20	200
84GE055	N	20	N	N	<5	N	1,000	.200	10	N	10	N	50	200
84GE056	5	15	N	N	5	N	1,000	.300	50	N	15	N	55	300
84GE056B	N	20	N	N	N	N	100	.050	N	N	<10	N	10	30
84GE057	50	10	N	N	15	N	700	.500	100	N	20	N	65	200
84GE057D	N	20	N	N	5	<10	300	.150	10	N	15	N	80	500
84GE059	N	20	N	N	5	10	500	.200	20	N	15	N	50	300
84GE060	50	10	N	N	15	N	700	.500	100	N	20	N	65	200
84GE061	N	<10	N	20	N	10	N	.100	<10	N	N	N	10	100
84GE063A	N	50	N	N	5	15	N	.100	N	N	15	N	25	15
84GE064	N	10	N	N	<5	N	700	.200	15	N	10	N	40	300
84GE066A	N	<10	N	N	N	N	1,000	.002	<10	N	N	N	<5	N
84GE066B	15	15	N	N	<5	N	500	.070	20	N	15	N	40	30
84GE067A	N	<10	N	N	N	N	500	.005	N	N	10	N	<5	N
84GE067B	20	N	N	N	10	N	100	.150	100	N	15	N	30	200
84GE067C	N	N	N	N	N	N	1,000	.020	10	N	<10	N	5	10
84GE067D	70	N	N	N	10	N	N	.300	150	N	10	N	15	70
84GE067E	70	N	N	N	<5	N	N	.070	50	N	15	N	5	30
84GE068A	70	10	N	2	5	N	700	.070	<10	N	20	N	15	70
84GE069A	N	N	N	N	N	N	700	.002	N	N	<10	N	<5	<10
84GE069B	N	<10	N	N	N	N	1,000	.030	10	N	N	N	15	10
84GE070	100	N	N	N	5	N	<100	.100	150	N	<10	N	70	70
84GE071A	N	15	N	N	N	N	300	.150	10	N	15	N	20	700
84GE071C	N	100	N	N	N	10	1,000	.150	70	N	50	N	120	500
84GE071E	70	N	N	N	15	N	200	.300	100	N	15	N	35	200
84GE071F	70	N	N	N	20	N	500	.700	100	N	50	N	5	300
84GE071G	<5	<10	N	N	N	N	N	.002	N	N	N	N	<5	10
84GE071H	N	10	N	N	N	N	N	.070	<10	N	N	N	10	1,000
84GE071I	N	30	N	N	<5	<10	700	.150	30	<50	10	N	20	1,000
84GE072	N	15	N	N	<5	N	1,000	.300	50	N	30	N	20	1,000
84GE073B	N	150	N	N	<5	30	100	.200	20	<50	<10	N	25	300
84GE074	N	50	N	N	<5	<10	1,000	.150	70	N	15	N	10	500
84GE075A	N	100	N	N	<5	<10	500	.150	30	N	15	N	75	500
84GE075B	N	150	N	N	N	N	200	.070	N	N	<10	N	25	1,000
84GE076	N	150	N	10	5	<10	100	.200	20	N	20	N	35	1,000
84GE077A	50	<10	N	N	15	N	200	.500	200	N	30	N	60	500
84GE077B	100	<10	N	N	20	N	1,000	.500	100	N	30	N	<5	300
84GE077C	N	10	N	N	N	N	100	<.002	N	N	N	N	10	N
84GE079	N	50	N	N	<5	N	1,000	.200	20	N	N	N	35	150
84GE080	5	50	N	N	<5	<10	1,500	.200	30	N	15	N	15	200
84GE081	100	30	N	N	15	N	100	.500	100	N	30	N	70	300
84GE082	N	50	N	N	<5	N	1,500	.200	100	N	15	N	20	70

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84GE083	64 59 19	162 8 18	S D-1	10	N	N	N	--	N	N	N
84GE084	64 58 54	162 8 29	S D-1	10	N	N	N	--	N	N	N
84GE085	65 4 35	162 11 24	B A-1	13	N	N	N	--	<10	1,000	<1.0
84GE086A	65 4 48	162 11 12	B A-1	23	N	N	150	--	100	500	N
84GE086B	65 4 48	162 11 12	B A-1	23	.5	700	980	--	1,000	300	N
84GE086C	65 4 48	162 11 12	B A-1	23	N	200	160	--	100	70	N
84GE086D	65 4 48	162 11 12	B A-1	24	.5	2,000	3,000	--	500	70	N
84GE086E	65 4 48	162 11 12	B A-1	29	N	N	20	--	<10	<20	N
84GE087C	65 5 17	162 10 33	B A-1	9	N	N	10	--	10	30	N
84GE088	65 6 37	162 12 49	B A-1	7	N	N	20	--	150	200	<1.0
84GE089C	65 11 14	162 40 38	B A-2	13	N	N	N	--	<10	1,500	N
84GE089D	65 11 14	162 40 38	B A-2	1	N	N	20	--	100	200	<1.0
84GE090A	65 7 29	162 13 24	B A-1	4	<.5	N	N	--	150	1,000	<1.0
84GE090B	65 7 29	162 13 24	B A-1	11	N	N	40	--	<10	50	N
84GE093	64 48 44	162 35 36	S D-2	14	N	N	<10	--	15	700	N
84GE095A	64 30 25	162 34 19	S C-2	21	.5	N	N	--	50	700	1.0
84GE095D	64 30 25	162 34 19	S C-2	25	N	N	N	--	20	100	<1.0
84GE095E	64 30 25	162 34 19	S C-2	21	N	N	N	--	70	700	<1.0
84GE095H	64 30 25	162 34 19	S C-2	25	N	N	N	--	10	700	2.0
84GE095J	64 30 25	162 34 19	S C-2	25	N	N	10	--	<10	300	N
84GE097A	64 21 27	162 44 21	S B-2	14	N	N	N	--	10	700	1.5
84GE097B	64 21 27	162 44 21	S B-2	13	N	N	N	--	<10	300	5.0
84GE098A	65 11 23	163 50 53	B A-4	25	N	N	N	--	10	1,000	1.0
84GE098B	65 11 23	163 50 53	B A-4	18	.5	N	N	--	300	50	5.0
84GE099A	65 11 10	163 51 39	B A-4	1	N	N	N	--	15	1,500	3.0
84GE099B	65 11 10	163 51 39	B A-4	30	.7	N	N	--	15	2,000	<1.0
84GE101A	65 18 19	164 44 3	B B-6	7	.5	N	10	--	70	300	1.0
84GE101B	65 18 19	164 44 3	B B-6	30	N	N	30	--	50	700	1.0
84GE101C	65 18 19	164 44 3	B B-6	30	N	N	10	--	50	500	1.0
84GE101D	65 18 19	164 44 3	B B-6	30	N	N	N	--	<10	<20	N
84GE101E	65 18 19	164 44 3	B B-6	7	N	N	10	--	30	500	1.0
84GE101F	65 18 19	164 44 3	B B-6	4	.7	N	10	--	15	2,000	<1.0
84GE102A	65 18 47	164 44 36	B B-6	7	<.5	N	30	--	50	500	1.5
84GE102B	65 18 47	164 44 36	B B-6	20	N	N	N	--	<10	20	N
84GE102C	65 18 47	164 44 36	B B-6	30	N	N	150	--	50	300	1.0
84GE103A	65 2 4	164 54 25	B A-6	1	<.5	N	N	--	<10	300	2.0
84GE103B	65 2 4	164 54 25	B A-6	18	N	N	N	--	150	700	3.0
84GE103C	65 2 4	164 54 25	B A-6	13	N	N	N	--	<10	70	5.0
84GE104	65 1 53	164 54 32	B A-6	13	<.5	N	N	--	<10	700	1.0
84GE104B	65 1 53	164 54 32	B A-6	1	N	N	N	--	15	100	1.0
84GE105	65 1 44	164 54 45	B A-6	21	<.5	N	N	--	10	300	2.0
84GE105B	65 1 44	164 54 45	B A-6	1	N	N	N	--	10	200	2.0
84GE106A	65 2 17	164 55 13	B A-6	13	N	N	N	--	10	300	3.0
84GE107A	65 2 28	164 55 9	B A-6	1	N	N	N	--	20	300	2.0
84GE107B	65 2 28	164 55 9	B A-6	30	.5	N	N	--	10	20	5.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-Hg	S-LA	S-MG%	S-MN	S-MO	S-NB
84GE083	N	N	>20.00	N	N	N	N	<5	.10	--	N	1.00	70	N	N
84GE084	N	N	20.00	N	N	N	N	N	N	--	N	.03	20	N	N
84GE085	N	2	.70	N	N	5	50	7	2.00	--	50	1.50	150	N	N
84GE086A	N	N	N	N	N	N	30	20	1.50	--	N	.10	10	15	N
84GE086B	15	24	.05	N	.10	N	50	30	1.00	--	N	.20	10	5	N
84GE086C	<10	5	<.05	N	N	5	30	10	1.50	--	N	.07	70	N	N
84GE086D	70	75	<.05	N	4.20	30	200	100	5.00	--	50	.07	150	10	N
84GE086E	N	N	N	N	N	N	<10	<5	.50	--	N	.02	<10	N	N
84GE087C	N	N	10.00	N	N	15	100	7	2.00	--	N	3.00	200	N	N
84GE088	N	<1	.30	N	N	20	150	30	5.00	--	50	2.00	500	N	N
84GE089C	N	N	.30	N	N	10	50	5	2.00	--	N	1.00	200	N	N
84GE089D	N	N	.30	N	N	10	100	20	3.00	--	30	1.50	200	N	N
84GE090A	N	N	1.00	N	.10	5	70	50	1.50	--	100	1.50	100	50	N
84GE090B	N	N	.70	N	<.10	30	200	30	3.00	--	N	2.00	200	N	N
84GE093	N	N	2.00	N	N	70	200	70	5.00	--	30	5.00	1,000	N	N
84GE095A	N	N	1.00	N	.30	50	200	150	5.00	--	100	3.00	200	5	<20
84GE095D	N	N	15.00	N	N	7	50	10	1.50	--	N	3.00	200	N	N
84GE095E	N	N	.10	N	N	10	70	50	2.00	--	N	1.00	150	N	N
84GE095H	N	N	2.00	N	.10	20	100	70	3.00	--	70	1.00	300	5	30
84GE095J	N	N	3.00	N	N	70	100	150	7.00	--	N	3.00	300	N	<20
84GE097A	N	N	2.00	N	.10	30	150	50	5.00	--	100	3.00	700	N	N
84GE097B	N	N	.15	N	N	N	<10	N	1.00	--	N	.15	100	N	N
84GE098A	N	N	3.00	N	.20	20	100	100	5.00	--	20	2.00	500	5	20
84GE098B	<10	5	.10	N	N	N	N	7	.10	--	N	.10	100	N	N
84GE099A	N	N	2.00	N	.30	20	100	50	5.00	--	50	2.00	500	N	<20
84GE099B	N	N	.07	N	1.20	5	30	70	1.00	--	N	1.50	100	30	N
84GE101A	N	N	1.00	N	<.10	20	50	20	2.00	--	30	1.50	500	N	N
84GE101B	N	N	.05	N	.10	20	70	50	3.00	--	30	1.00	300	10	N
84GE101C	N	N	.20	N	<.10	15	50	30	2.00	--	<20	1.00	200	N	N
84GE101D	N	N	N	N	N	N	N	N	.05	--	N	<.02	<10	N	N
84GE101E	N	N	.70	N	.10	20	100	30	3.00	--	20	1.50	700	N	N
84GE101F	N	N	<.05	N	N	N	15	10	.50	--	N	.07	50	10	N
84GE102A	N	N	.05	N	N	20	70	30	3.00	--	<20	1.50	200	N	N
84GE102B	N	N	<.05	N	N	N	N	N	.10	--	N	.02	10	N	N
84GE102C	N	N	.05	N	N	15	70	30	2.00	--	<20	1.50	200	N	N
84GE103A	N	N	.70	N	N	15	70	30	3.00	--	50	1.50	500	N	N
84GE103B	N	2	.50	N	N	N	N	10	1.00	--	50	.70	500	N	N
84GE103C	N	N	.30	N	N	N	N	N	1.00	--	100	.10	100	N	30
84GE104	N	N	.30	N	N	N	N	5	.50	--	30	.10	100	N	N
84GE104B	N	<2	5.00	N	N	20	70	<5	5.00	--	50	3.00	1,500	N	N
84GE105	N	<2	3.00	N	.50	20	150	70	3.00	--	N	3.00	1,500	N	N
84GE105B	N	N	2.00	N	N	15	50	<5	2.00	--	20	1.00	700	N	N
84GE106A	N	N	.10	N	N	N	N	10	1.00	--	20	.15	200	N	N
84GE107A	N	N	2.00	N	N	15	70	20	3.00	--	N	2.00	300	N	N
84GE107B	N	4	7.00	N	.20	10	50	70	5.00	--	70	3.00	2,000	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84GE083	N	N	N	N	N	N	1,000	.030	10	N	N	N	5	10
84GE084	N	N	N	N	N	N	100	.005	N	N	N	N	130	10
84GE085	<5	10	N	N	7	N	1,000	.300	100	N	10	N	20	300
84GE086A	N	N	N	6	<5	N	N	.150	300	N	<10	N	20	100
84GE086B	N	N	N	22	5	N	N	.200	200	N	N	N	20	100
84GE086C	30	10	N	4	<5	N	N	.100	100	N	10	<200	150	30
84GE086D	150	50	N	58	15	N	N	.300	500	N	50	700	880	70
84GE086E	N	N	N	N	N	N	N	.020	15	N	N	N	40	N
84GE087C	70	<10	N	N	5	N	500	.100	15	N	<10	N	10	30
84GE088	50	15	N	N	20	N	<100	.500	150	N	20	<200	65	300
84GE089C	20	<10	N	N	5	N	200	.200	15	N	10	N	55	300
84GE089D	50	<10	N	N	10	N	100	.500	200	N	15	N	75	500
84GE090A	20	50	N	2	10	N	100	.300	500	N	15	N	30	300
84GE090B	100	<10	N	<2	10	N	100	.200	100	N	10	N	20	70
84GE093	150	10	N	N	15	N	700	.300	200	N	10	N	75	100
84GE095A	100	10	N	N	20	N	300	.700	200	N	30	<200	35	200
84GE095D	50	10	N	N	5	N	1,000	.100	30	N	10	N	5	20
84GE095E	70	10	N	N	10	N	100	.300	100	N	15	N	15	200
84GE095H	70	<10	N	N	10	N	200	.700	70	N	30	N	25	300
84GE095J	100	N	N	N	30	N	500	1.000	200	N	20	N	20	100
84GE097A	50	10	N	N	15	N	700	.500	150	N	20	N	30	300
84GE097B	N	50	N	N	<5	N	<100	.100	10	N	<10	N	10	150
84GE098A	70	<10	N	N	15	N	150	.500	200	N	30	N	25	300
84GE098B	N	70	N	N	N	N	N	.010	N	N	N	N	N	15
84GE099A	70	10	N	N	15	N	100	.700	100	N	30	N	70	300
84GE099B	50	10	N	N	7	N	<100	.200	200	N	15	N	95	100
84GE101A	50	100	N	N	10	N	100	.300	100	N	20	N	45	200
84GE101B	50	10	N	N	10	N	N	.300	150	N	20	N	70	200
84GE101C	50	10	N	N	10	N	<100	.500	150	N	20	N	55	300
84GE101D	N	N	N	N	N	N	N	N	N	N	N	N	N	N
84GE101E	50	10	N	N	10	N	<100	.300	100	N	15	N	35	500
84GE101F	N	N	N	N	<5	N	N	.070	300	N	<10	N	10	50
84GE102A	50	<10	N	N	10	N	N	.500	100	N	20	N	60	200
84GE102B	N	N	N	N	N	N	N	.005	N	N	N	N	N	N
84GE102C	50	<10	N	2	10	N	N	.500	100	N	10	N	75	200
84GE103A	50	20	N	N	15	10	150	.300	100	N	20	N	30	100
84GE103B	5	100	N	N	7	15	100	.100	30	N	150	N	20	<10
84GE103C	N	70	N	N	N	10	N	.070	N	N	20	N	5	100
84GE104	5	100	N	N	N	10	N	.050	10	N	10	N	5	100
84GE104B	50	10	N	N	15	20	500	.200	100	N	30	N	20	100
84GE105	70	10	N	N	15	N	150	.500	150	N	50	N	45	100
84GE105B	20	<10	N	N	10	N	200	.300	100	N	20	N	45	100
84GE106A	N	100	N	N	<10	<10	N	.100	10	N	10	N	15	100
84GE107A	50	20	N	N	15	N	100	.500	100	N	50	N	55	150
84GE107B	10	10	N	N	10	20	100	.200	70	N	50	N	10	100

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84GE108A	64 40 52	164 29 47	S C-5	7	<.5	N	100	.10	100	200	1.0
84GE108C	64 40 52	164 29 47	S C-5	7	N	1,000	1,100	N	100	500	<1.0
84GE108D	64 40 52	164 29 47	S C-5	27	N	N	140	N	10	20	<1.0
84GE109A	64 40 50	164 29 26	S C-5	7	N	N	20	N	150	700	1.0
84GE109B	64 40 50	164 29 26	S C-5	27	<.5	N	140	N	10	<20	N
84GE109C	64 40 50	164 29 26	S C-5	27	N	5,000	5,100	.15	20	100	1.0
84GE109D	64 40 50	164 29 26	S C-5	27	N	N	100	N	10	20	N
84GE109F	64 40 50	164 29 26	S C-5	7	.5	N	20	N	100	300	1.5
84GE110	64 41 1	164 29 26	S C-5	7	N	N	10	N	100	200	1.5
84GE110D	64 41 1	164 29 26	S C-5	26	<.5	N	10	N	70	2,000	<1.0
84GE111A	64 44 56	164 21 47	S C-5	8	N	N	N	--	150	500	1.0
84GE111B	64 44 56	164 21 47	S C-5	5	N	N	N	--	N	N	N
84GE112	64 46 42	164 16 33	S D-5	7	N	N	10	--	100	500	1.0
84GE113	64 44 9	164 25 33	S C-5	5	N	N	N	N	N	N	N
84GE113D	64 44 9	164 25 33	S C-5	30	<.5	N	N	N	10	20	<1.0
84GE113E	64 44 9	164 25 33	S C-5	30	N	N	60	N	15	30	<1.0
84GE113F	64 44 9	164 25 33	S C-5	7	N	N	10	N	50	300	1.0
84GE114	64 44 1	164 25 22	S C-5	24	N	N	130	N	N	150	N
84GE115A	64 43 52	164 25 8	S C-5	4	1.0	N	30	N	30	70	1.0
84GE117A	64 43 25	164 23 32	S C-5	8	N	N	N	N	30	200	1.5
84GE117B	64 43 25	164 23 32	S C-5	29	N	N	N	N	<10	N	1.0
84GE118A	64 42 48	164 22 58	S C-5	29	N	N	N	N	15	<20	<1.0
84GE118B	64 42 48	164 22 58	S C-5	7	N	N	N	N	70	500	1.5
84GE119A	64 42 11	164 24 3	S C-5	30	N	N	N	N	<10	<20	N
84GE119B	64 42 11	164 24 3	S C-5	5	N	N	N	N	N	<20	N
84GE119C	64 42 11	164 24 3	S C-5	30	15.0	N	N	N	<10	<20	N
84GE120	64 41 41	164 23 30	S C-5	5	N	N	N	N	N	N	N
84GE121C	64 52 47	164 50 1	S D-6	8	N	N	N	N	30	300	<1.0
84GE121D	64 52 47	164 50 1	S D-6	29	N	N	N	N	<10	50	<1.0
84GE122A	64 52 57	164 49 56	S D-6	10	N	N	N	N	10	<20	N
84GE123A	64 53 6	164 49 57	S D-6	11	N	N	N	--	<10	500	<1.0
84GE123B	64 53 6	164 49 57	S D-6	30	<.5	N	<10	--	30	500	<1.0
84GE124A	64 53 15	164 50 0	S D-6	7	N	N	N	N	100	300	1.5
84GE124B	64 53 15	164 50 0	S D-6	29	N	N	N	N	10	70	<1.0
84GE126A	64 53 41	164 50 22	S D-6	8	N	N	N	N	100	500	1.5
84GE126B	64 53 41	164 50 22	S D-6	8	N	N	N	N	30	200	1.0
84GE126C	64 53 41	164 50 22	S D-6	11	N	N	N	N	<10	300	N
84GE128	64 53 56	164 50 34	S D-6	30	N	N	N	N	<10	<20	N
84GE129	64 44 57	164 44 39	S C-6	9	N	N	N	N	70	150	<1.0
84GE130	64 44 53	164 49 0	S C-6	9	N	N	N	--	50	20	<1.0
84GE131A	64 44 40	164 26 24	S C-5	30	N	N	N	N	10	<20	N
84GE131B	64 44 40	164 26 24	S C-5	30	N	N	N	N	<10	N	N
84GE132	64 44 36	164 26 7	S C-5	30	N	N	N	N	<10	<20	N
84GE133	64 44 44	164 25 45	S C-5	30	N	N	N	N	10	20	N
84GE134A	64 45 3	164 24 57	S D-5	2	N	N	<10	N	50	200	1.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84GE108A	N	N	.10	N	N	20	150	50	3.00	--	N	1.50	150	N	N
84GE108C	N	N	.05	N	N	70	100	70	5.00	--	N	2.00	200	N	<20
84GE108D	N	N	.05	N	N	N	<10	<5	.50	--	N	.15	30	N	N
84GE109A	N	N	.07	N	N	15	150	50	3.00	--	<20	1.50	500	N	N
84GE109B	N	N	N	N	N	N	10	5	1.00	--	N	.03	20	N	N
84GE109C	N	N	.05	N	N	20	15	10	1.00	--	20	.15	100	N	N
84GE109D	N	N	.05	N	N	7	N	7	.50	--	N	.03	15	N	N
84GE109F	N	N	.07	N	N	20	150	70	3.00	--	20	1.50	500	N	20
84GE110	N	N	.07	N	N	20	150	50	5.00	--	N	1.50	700	N	<20
84GE110D	N	N	.05	N	.30	15	50	30	1.00	--	N	.50	20	5	N
84GE111A	N	N	1.00	N	N	30	150	30	3.00	--	<20	3.00	500	N	N
84GE111B	N	N	20.00	N	N	N	N	N	.10	--	N	.50	70	N	N
84GE112	N	N	.05	N	N	20	150	30	3.00	--	50	1.50	150	N	20
84GE113	N	N	>20.00	N	N	N	<10	N	.05	--	N	1.00	30	N	N
84GE113D	N	N	2.00	<20	2.70	N	<10	15	.20	--	N	.05	100	N	N
84GE113E	N	N	3.00	N	N	5	<10	5	.50	--	N	1.50	150	N	N
84GE113F	N	N	1.00	N	N	15	30	30	2.00	--	N	.30	1,000	N	N
84GE114	N	1	20.00	N	N	50	<10	10	7.00	--	N	.50	2,000	N	N
84GE115A	N	N	1.50	<20	3.30	<5	50	30	.70	--	N	.30	100	20	N
84GE117A	N	N	1.00	N	N	15	100	15	3.00	--	50	1.50	700	N	N
84GE117B	N	N	<.05	N	N	N	20	<5	.70	--	N	.20	100	N	N
84GE118A	N	N	N	N	N	N	N	N	.20	--	N	.03	10	N	N
84GE118B	N	N	.05	N	N	15	100	<5	3.00	--	50	1.50	200	N	N
84GE119A	N	N	<.05	N	N	N	N	N	.50	--	N	.02	10	N	N
84GE119B	N	N	>20.00	N	N	N	<10	<5	.05	--	N	.20	70	N	N
84GE119C	N	N	N	N	N	N	N	N	.50	--	N	.02	<10	N	N
84GE120	N	N	>20.00	N	N	N	N	N	.05	--	N	.30	150	N	N
84GE121C	N	N	5.00	N	.20	30	200	50	5.00	--	<20	2.00	1,000	N	N
84GE121D	N	N	1.00	N	N	5	20	5	.70	--	N	.70	500	N	N
84GE122A	N	N	>20.00	N	N	N	30	5	.50	--	N	1.00	200	N	N
84GE123A	N	N	2.00	N	N	70	150	70	7.00	--	N	3.00	700	N	N
84GE123B	N	N	<.05	N	N	15	20	7	.70	--	N	.15	50	N	N
84GE124A	N	N	.70	N	N	20	100	30	5.00	--	50	1.50	300	N	20
84GE124B	N	N	.15	N	N	N	15	<5	1.00	--	N	.15	100	N	N
84GE126A	N	N	.70	N	N	30	150	15	5.00	--	50	2.00	700	N	N
84GE126B	N	N	2.00	N	N	10	150	10	2.00	--	20	1.00	1,000	N	N
84GE126C	N	N	2.00	N	N	100	150	150	7.00	--	30	5.00	1,000	N	N
84GE128	N	N	20.00	N	N	N	N	<5	.10	--	N	>10.00	150	N	N
84GE129	N	N	10.00	N	N	15	70	15	2.00	--	N	3.00	300	N	N
84GE130	N	N	20.00	N	N	70	70	15	1.00	--	N	2.00	200	N	N
84GE131A	N	N	.20	N	N	N	N	<5	.10	--	N	.02	50	N	N
84GE131B	N	N	20.00	N	N	10	N	5	.70	--	N	.10	200	N	N
84GE132	N	N	1.00	N	N	N	<10	2,000	.50	--	N	.02	50	N	N
84GE133	N	N	10.00	N	N	<5	10	5	1.00	--	N	10.00	500	N	N
84GE134A	N	N	.20	N	.20	20	100	30	3.00	--	30	1.50	200	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84GE108A	50	10	N	20	20	N	N	.500	100	N	30	N	20	500
84GE108C	70	10	N	14	20	N	<100	.700	100	N	20	<200	25	200
84GE108D	5	N	N	2	N	N	N	.020	10	N	N	N	<5	15
84GE109A	30	15	N	N	15	N	N	.500	100	N	20	<200	35	300
84GE109B	10	N	N	6	N	N	N	.100	<10	N	N	N	5	20
84GE109C	50	N	N	26	7	N	N	.070	20	N	10	N	10	50
84GE109D	10	<10	N	2	<5	N	N	.020	N	N	N	N	5	10
84GE109F	70	15	N	N	30	N	100	.700	100	N	50	N	45	300
84GE110	70	10	N	N	20	N	<100	.700	100	N	30	<200	40	200
84GE110D	70	N	N	2	7	N	N	.200	150	N	10	N	50	100
84GE111A	70	<10	N	N	20	N	<100	.300	100	N	15	N	25	200
84GE111B	N	N	N	N	N	N	700	.003	N	N	N	N	N	<10
84GE112	100	N	N	N	20	N	<100	.700	100	N	30	N	30	300
84GE113	N	N	N	N	N	N	100	.010	10	N	N	N	5	N
84GE113D	<5	20	N	N	N	N	N	.030	10	N	N	1,000	1,100	10
84GE113E	15	10	N	2	N	N	N	.050	15	N	N	N	5	10
84GE113F	30	<10	N	N	10	N	N	.200	50	N	15	N	40	70
84GE114	70	15	100	46	N	N	150	.015	10	N	N	N	<5	N
84GE115A	30	<10	N	6	5	N	100	.150	500	N	10	<200	150	50
84GE117A	50	15	N	N	15	N	100	.300	100	N	30	N	20	100
84GE117B	10	N	N	N	N	N	N	.100	20	N	<10	N	N	50
84GE118A	<5	N	N	N	N	N	N	.010	10	N	N	N	<5	10
84GE118B	50	10	N	N	10	N	N	.300	100	N	30	N	35	150
84GE119A	5	N	N	N	N	N	N	<.002	N	N	N	N	N	N
84GE119B	N	N	N	N	N	N	200	.015	10	N	N	N	5	10
84GE119C	N	N	N	N	N	N	N	<.002	N	N	N	N	N	N
84GE120	N	N	N	N	N	N	300	.010	N	N	N	N	N	N
84GE121C	70	20	N	N	20	N	200	.500	150	N	30	N	30	100
84GE121D	10	N	N	N	<5	N	N	.070	30	N	<10	N	10	30
84GE122A	N	10	N	N	<5	N	1,500	.050	20	N	10	N	5	50
84GE123A	100	<10	N	N	20	N	200	1.000	150	N	20	<200	70	70
84GE123B	N	N	N	N	7	N	N	.100	70	N	10	N	5	30
84GE124A	50	15	N	N	20	N	200	.700	150	N	50	<200	40	150
84GE124B	5	N	N	N	<5	N	N	.100	50	N	10	N	5	50
84GE126A	70	10	N	N	20	N	100	.300	150	N	50	<200	25	100
84GE126B	50	30	N	N	15	N	200	.200	100	N	30	N	20	150
84GE126C	100	<10	N	N	30	N	100	.700	150	N	30	<200	60	100
84GE128	N	<10	N	N	N	N	150	.010	N	N	<10	N	10	20
84GE129	50	15	N	N	10	N	500	.100	100	N	10	N	15	50
84GE130	30	10	N	N	5	N	300	.100	20	N	15	N	10	30
84GE131A	N	<10	N	N	N	N	N	.002	N	N	N	N	<5	<10
84GE131B	15	N	N	N	N	N	100	.003	N	N	15	N	N	<10
84GE132	N	N	N	2	N	N	N	.003	N	N	N	N	<5	N
84GE133	10	10	N	N	N	N	100	.015	10	N	<10	N	25	10
84GE134A	70	<10	N	N	15	N	N	.500	150	N	20	N	45	300

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84GE134B	64 45 3	164 24 57	S D-5	29	<.5	N	N	N	30	150	<1.0
84GE135	64 45 50	164 23 55	S D-5	8	N	N	N	N	70	200	1.0
84GE136	64 46 10	164 23 12	S D-5	8	N	N	N	N	50	100	<1.0
84GE137	64 46 29	164 23 1	S D-5	8	N	N	<10	--	100	300	1.0
84GE138A	64 47 56	164 27 0	S D-5	5	N	N	N	--	<10	<20	N
84GE138B	64 47 56	164 27 0	S D-5	30	N	N	<10	--	20	150	N
84GE138C	64 47 56	164 27 0	S D-5	21	<.5	200	400	--	20	70	N
84GE138D	64 47 56	164 27 0	S D-5	29	N	N	N	--	<10	20	N
84GE139	64 46 44	164 26 49	S D-5	7	N	N	<10	--	70	500	1.0
84GE140A	65 37 22	164 33 5	B C-6	10	N	N	<10	--	N	N	N
84GE140B	65 37 22	164 33 5	B C-6	30	N	N	<10	--	50	200	N
84GE141	65 37 30	164 35 16	B C-6	21	N	N	40	--	N	N	N
84GE142	65 36 20	164 34 43	B C-6	21	N	N	20	--	<10	20	N
84GE143A	65 47 51	163 17 48	B D-3	25	N	N	N	--	150	N	15.0
84GE143B	65 47 51	163 17 48	B D-3	25	N	N	N	--	<10	N	N
84GE144	65 47 54	163 17 29	B D-3	27	N	N	<10	--	10	100	N
84GE145A	65 47 48	163 17 24	B D-3	13	N	N	<10	--	15	500	10.0
84GE145B	65 47 48	163 17 24	B D-3	23	N	N	10	--	10	300	10.0
84GE146A	65 47 44	163 17 40	B D-3	25	N	N	N	--	<10	N	20.0
84GE147	65 45 5	163 11 28	B D-3	13	N	N	N	--	15	700	5.0
84GE148	65 45 18	163 10 18	B D-3	13	N	N	N	--	30	700	5.0
84GE149	65 43 11	163 7 33	B C-3	13	N	N	N	--	20	500	2.0
84GE150	65 39 32	163 6 22	B C-3	15	N	N	N	--	10	1,000	1.5
84GE151B	65 36 54	163 4 55	B C-3	30	N	N	N	--	10	2,000	1.0
84GE152	65 37 2	163 3 12	B C-3	15	N	N	N	--	20	1,500	3.0
84GE153	65 27 21	163 13 41	B B-3	13	N	N	N	--	<10	1,000	2.0
84GE154	65 30 42	163 9 33	B C-3	13	N	N	N	--	10	1,500	2.0
84GE155	65 23 26	162 57 32	B B-2	13	N	N	N	--	<10	1,500	3.0
84GE162	65 24 19	163 21 59	B B-3	13	N	N	N	--	10	2,000	2.0
84GE163	65 10 42	163 44 28	B A-4	13	N	N	N	--	<10	1,000	1.5
84GE164	65 31 28	162 35 53	B C-2	14	N	N	N	--	<10	500	N
84GE165	65 33 21	162 34 14	B C-2	14	<.5	N	N	--	10	1,500	<1.0
84GE166A	65 30 37	162 10 12	B C-1	12	N	N	N	--	<10	20	3.0
84GE167	65 29 32	162 20 41	B B-1	7	N	N	20	--	30	1,000	2.0
84GE170C	65 7 58	164 3 22	B A-5	1	N	N	N	--	15	500	1.5
84GE170D	65 7 58	164 3 22	B A-5	29	N	N	N	--	<10	<20	N
84GE171	65 8 13	164 3 18	B A-5	1	<.5	N	N	--	200	1,000	1.0
84GE172	65 8 24	164 3 23	B A-5	18	<.5	N	N	--	20	100	15.0
84GE173	65 8 19	164 5 25	B A-5	18	<.5	N	N	--	15	200	10.0
84GE174	65 6 39	164 4 50	B A-5	1	.5	N	N	--	30	1,000	<1.0
84GE175A	65 6 47	164 4 16	B A-5	1	.7	N	N	--	30	1,500	<1.0
84GE175B	65 6 47	164 4 16	B A-5	1	<.5	N	N	--	<10	700	N
84GE177	65 10 38	163 53 42	B A-4	17	<.5	N	N	--	<10	1,000	1.0
84GE178A	65 11 2	163 55 10	B A-4	17	N	N	N	--	15	500	2.0
84GE179	65 14 32	163 51 54	B A-4	18	<.5	N	N	--	200	1,000	3.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84GE134B	N	N	.15	N	N	5	30	7	1.50	--	N	.30	100	N	N
84GE135	N	N	.50	N	N	20	70	100	3.00	--	30	2.00	300	N	N
84GE136	N	N	10.00	N	N	15	100	30	2.00	--	N	1.50	500	N	N
84GE137	N	N	.50	N	N	30	100	<5	3.00	--	70	2.00	300	N	N
84GE138A	N	N	>20.00	N	N	N	N	<5	.07	--	N	1.00	50	N	N
84GE138B	N	N	.50	N	N	<5	10	<5	.50	--	N	.10	70	N	N
84GE138C	N	3	<.05	N	N	100	10	30	7.00	--	N	.10	150	5	N
84GE138D	N	N	<.05	N	N	N	N	N	.05	--	N	.10	10	N	N
84GE139	N	N	.20	N	N	30	150	50	5.00	--	N	2.00	500	N	N
84GE140A	N	N	>20.00	N	N	N	N	<5	.07	--	N	.30	20	N	N
84GE140B	N	N	20.00	N	N	N	100	10	.10	--	N	.70	20	N	N
84GE141	N	N	>20.00	N	<.10	N	N	<5	.50	--	N	.50	200	N	N
84GE142	N	N	>20.00	N	.10	N	10	5	.50	--	N	.30	100	N	N
84GE143A	N	N	20.00	N	N	10	N	<5	2.00	--	N	>10.00	1,500	<5	N
84GE143B	N	N	2.00	N	N	N	N	N	<.05	--	N	2.00	50	N	N
84GE144	N	N	<.05	N	N	N	N	N	.10	--	N	.02	70	N	N
84GE145A	N	N	.30	N	N	N	N	7	1.00	--	50	.20	200	N	<20
84GE145B	15	8	.50	N	N	N	N	7	.70	--	N	.20	70	50	50
84GE146A	N	N	10.00	N	N	N	N	N	.10	--	N	7.00	150	N	N
84GE147	N	N	1.00	N	N	10	10	N	3.00	--	200	.70	700	N	50
84GE148	N	N	.70	N	N	10	<10	N	2.00	--	150	.50	500	<5	20
84GE149	N	N	.70	N	N	5	N	N	2.00	--	200	.50	500	N	<20
84GE150	N	N	1.00	N	N	10	20	5	3.00	--	150	.70	500	N	<20
84GE151B	N	N	3.00	N	N	50	150	30	5.00	--	200	5.00	700	N	<20
84GE152	N	N	2.00	N	N	20	15	<5	5.00	--	300	1.50	1,000	N	50
84GE153	N	N	.70	N	N	N	N	N	1.50	--	70	.20	200	N	N
84GE154	N	N	1.00	N	N	N	<10	N	1.50	--	100	.30	200	N	N
84GE155	N	N	1.00	N	N	<5	N	<5	1.50	--	150	.50	200	N	<20
84GE162	N	N	1.00	N	N	5	N	5	2.00	--	100	.50	200	N	<20
84GE163	N	N	1.00	N	N	7	10	N	2.00	--	150	1.00	300	10	<20
84GE164	N	N	2.00	N	N	10	N	<5	3.00	--	N	1.00	700	N	N
84GE165	N	N	2.00	N	N	20	30	30	5.00	--	150	2.00	700	<5	<20
84GE166A	N	N	<.05	N	N	N	N	<5	.70	--	20	.02	70	N	30
84GE167	N	N	<.05	N	.55	N	N	<5	.50	--	50	.30	100	N	<20
84GE170C	N	N	.70	N	N	10	50	7	3.00	--	50	1.00	300	N	N
84GE170D	N	N	<.05	N	N	N	N	<5	.10	--	N	.03	30	N	N
84GE171	N	N	<.05	N	.50	<5	20	15	.70	--	N	.50	50	15	N
84GE172	N	N	.10	N	N	N	N	<5	.50	--	N	.02	200	N	N
84GE173	<10	2	.07	N	N	N	N	<5	.30	--	N	.07	150	N	N
84GE174	N	N	.05	N	N	N	20	10	.70	--	N	.50	70	15	N
84GE175A	N	N	3.00	N	2.40	30	150	70	5.00	--	N	2.00	1,000	<5	N
84GE175B	N	N	5.00	N	N	7	50	15	1.50	--	N	1.50	1,000	N	N
84GE177	N	N	.50	N	N	<5	20	<5	2.00	--	100	.70	300	N	N
84GE178A	N	N	<.05	N	N	N	N	5	.70	--	N	.10	100	N	N
84GE179	N	N	.20	N	N	N	N	5	.50	--	N	.10	50	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84GE134B	20	N	N	N	5	N	N	.200	70	N	10	N	10	150
84GE135	70	10	N	N	20	N	N	.500	150	N	30	N	30	300
84GE136	70	20	N	N	7	N	500	.200	100	N	20	N	15	100
84GE137	50	10	N	N	20	N	<100	.500	100	N	50	N	50	150
84GE138A	N	N	N	N	N	N	1,000	.002	N	N	N	N	10	N
84GE138B	10	N	N	N	N	N	N	.100	15	N	N	N	N	500
84GE138C	150	<10	N	N	<5	N	N	.100	30	N	10	N	N	50
84GE138D	N	N	N	N	N	N	N	.002	N	N	N	N	N	N
84GE139	70	10	N	N	20	N	<100	.500	150	N	30	N	75	150
84GE140A	N	<10	N	N	N	N	200	.007	10	N	N	N	5	<10
84GE140B	5	N	N	N	10	N	N	.300	100	N	10	N	5	150
84GE141	N	<10	N	8	N	N	N	.003	10	N	<10	N	5	<10
84GE142	7	<10	N	<2	N	N	<100	.020	10	N	10	N	5	20
84GE143A	N	<10	N	N	N	N	N	.005	10	50	<10	N	25	N
84GE143B	N	<10	N	N	N	N	N	<.002	10	N	N	N	10	N
84GE144	N	N	N	N	N	N	N	.010	N	N	N	N	45	N
84GE145A	<5	100	N	N	N	<10	300	.100	10	N	10	N	25	150
84GE145B	<5	100	N	N	N	N	200	.100	10	200	15	N	15	200
84GE146A	N	N	N	N	N	N	N	<.002	N	N	N	N	15	N
84GE147	N	70	N	N	7	10	500	.200	50	N	50	N	40	200
84GE148	<5	100	N	N	7	10	500	.150	50	<50	30	N	50	100
84GE149	<5	70	N	N	<5	N	500	.100	50	N	30	N	20	100
84GE150	5	70	N	N	7	<10	700	.200	70	N	30	N	20	150
84GE151B	70	10	N	N	20	N	1,500	.500	100	N	30	N	70	50
84GE152	N	100	N	N	10	N	1,500	.500	100	N	70	N	5	300
84GE153	N	50	N	N	<5	N	700	.150	20	N	10	N	35	100
84GE154	<5	30	N	N	5	N	1,000	.200	20	N	30	N	50	150
84GE155	N	50	N	N	<5	<10	1,000	.200	30	N	30	N	55	200
84GE162	N	20	N	N	5	<10	1,000	.200	30	N	20	N	50	150
84GE163	N	50	N	N	10	N	700	.300	30	N	50	N	60	150
84GE164	5	N	N	N	10	N	300	.150	50	N	15	N	25	50
84GE165	10	70	N	N	15	N	1,000	.500	100	N	30	N	60	150
84GE166A	<5	70	N	N	<5	10	N	.070	N	N	20	N	20	200
84GE167	5	70	N	N	N	<10	N	.070	N	N	20	N	45	200
84GE170C	20	N	N	N	10	N	N	.300	70	N	20	N	50	150
84GE170D	5	N	N	N	N	N	N	.015	10	N	N	N	N	<10
84GE171	30	N	N	N	5	N	N	.150	300	N	10	N	70	70
84GE172	<5	200	N	N	N	20	N	<.002	N	N	N	N	<5	N
84GE173	5	150	N	N	N	20	N	.002	<10	N	10	N	15	20
84GE174	10	N	N	N	7	N	N	.150	200	N	10	N	15	70
84GE175A	50	50	N	N	10	N	200	.300	150	N	30	N	130	100
84GE175B	20	30	N	N	5	N	500	.050	70	N	15	N	50	20
84GE177	5	30	N	N	7	N	500	.300	50	N	20	N	50	150
84GE178A	5	50	N	N	<5	<10	N	.070	10	N	20	N	20	70
84GE179	5	150	N	N	<5	10	<100	.020	20	N	20	N	5	50

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84GE179B	65° 14 32	163 51 54	B A-4	1	N	N	N	--	10	2,000	<1.0
84GE180C	65 14 33	163 52 10	B A-4	13	N	N	N	--	10	300	3.0
84GE181A	64 45 32	163 59 59	S D-4	4	1.0	N	10	--	50	1,000	<1.0
84GE181B	64 45 32	163 59 59	S D-4	5	N	N	N	--	10	150	N
84GE182A	64 45 48	163 58 13	S D-4	7	N	N	N	--	15	70	<1.0
84GE182B	64 45 48	163 58 13	S D-4	29	N	N	N	--	20	30	<1.0
84GE183	64 46 9	163 57 3	S D-4	8	N	N	N	--	50	50	<1.0
84GE184	64 46 10	163 56 15	S D-4	6	N	N	N	--	<10	30	N
84GE185	65 47 35	164 17 28	B D-5	5	N	N	<10	--	10	150	N
84GE186	65 46 35	164 15 54	B D-5	6	N	N	N	--	10	<20	N
84GE187	65 46 5	164 18 37	B D-5	5	N	N	10	--	30	200	N
84GE188	65 46 13	164 21 35	B D-5	6	<.5	N	20	--	50	1,500	1.0
84GE189	65 45 13	164 22 5	B D-5	6	N	N	10	--	10	<20	N
84GE190	65 44 46	164 27 9	B C-5	7	N	N	20	N	30	700	1.0
84GE191	65 45 4	164 31 56	B D-6	4	.5	N	20	N	70	3,000	<1.0
84GE192	65 43 40	164 33 15	B C-6	7	N	N	20	N	50	500	2.0
84GE193A	65 42 5	164 34 13	B C-6	4	.7	N	100	N	50	1,500	<1.0
84GE193B	65 42 5	164 34 13	B C-6	4	<.5	N	30	N	20	1,000	<1.0
84GE193C	65 42 5	164 34 13	B C-6	5	N	N	10	N	N	200	N
84GE193D	65 42 5	164 34 13	B C-6	27	.7	N	60	N	50	300	N
84GE194A	65 41 54	164 35 51	B C-6	7	N	N	10	N	10	20	<1.0
84GE194B	65 41 54	164 35 51	B C-6	29	N	N	N	N	15	50	<1.0
84GE195	65 41 22	164 43 49	B C-6	6	N	N	20	--	50	500	2.0
84GE196A	66 3 56	163 13 27	K A-3	10	N	N	10	N	50	300	1.5
84GE196B	66 3 56	163 13 27	K A-3	26	1.5	N	110	N	<10	20	1.0
84GE196C	66 3 56	163 13 27	K A-3	29	<.5	N	<10	N	<10	<20	N
84GE197	66 3 54	163 13 6	K A-3	24	<.5	N	30	N	10	1,500	2.0
84GE198A	66 3 54	163 12 47	K A-3	26	.7	N	30	.05	15	100	N
84GE198B	66 3 54	163 12 47	K A-3	10	N	N	10	N	70	500	1.0
84GE199A	66 3 55	163 12 27	K A-3	30	N	N	20	N	50	300	2.0
84GE199B	66 3 55	163 12 27	K A-3	30	N	N	N	N	<10	150	N
84GE199D	66 3 55	163 12 27	K A-3	24	N	<200	210	N	10	300	1.5
84GE199E	66 3 55	163 12 27	K A-3	27	N	N	N	.10	<10	500	N
84GE200A	66 4 0	163 15 45	K A-3	26	.7	N	10	N	10	20	1.5
84GE200B	66 4 0	163 15 45	K A-3	10	N	N	10	N	70	500	1.0
84GE200C	66 4 0	163 15 45	K A-3	29	N	N	N	N	10	20	<1.0
84GE201	65 35 14	164 21 1	B C-5	5	N	N	N	--	N	30	N
84GE204	65 33 58	164 24 59	B C-5	10	N	N	N	--	N	200	N
84GE205	65 38 21	164 25 13	B C-5	6	N	N	N	--	N	20	N
84GE206	65 39 29	164 27 35	B C-5	9	N	N	N	--	30	30	<1.0
84GE207A	65 31 16	164 11 10	B C-5	10	N	N	<10	N	50	70	<1.0
84GE207B	65 31 16	164 11 10	B C-5	29	N	N	<10	N	10	<20	N
84KN015	64 42 48	164 13 13	S C-5	6	<.5	N	N	--	50	300	N
84KN016	64 42 20	164 17 32	S C-5	8	N	N	N	--	50	300	1.5
84KN017A	64 42 49	164 18 19	S C-5	5	N	N	N	--	N	<20	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84GE179B	N	N	N	N	N	N	20	10	.50	--	N	.20	50	20	N
84GE180C	N	N	.20	N	N	N	N	7	.70	--	100	.20	150	N	N
84GE181A	N	N	.05	N	N	N	20	5	.30	--	N	.20	15	30	N
84GE181B	N	N	20.00	N	N	N	15	10	.50	--	N	1.50	100	N	N
84GE182A	N	N	<.05	N	N	15	70	5	2.00	--	70	1.50	100	N	<20
84GE182B	N	N	1.00	N	N	N	20	5	.70	--	N	.70	100	N	N
84GE183	N	N	.50	N	.10	15	150	<5	3.00	--	50	3.00	100	N	<20
84GE184	N	N	>20.00	N	N	N	N	<5	.07	--	N	1.00	20	N	N
84GE185	N	N	>20.00	N	.10	N	<10	7	.10	--	N	.50	50	N	N
84GE186	N	N	20.00	N	N	N	15	5	.50	--	N	2.00	70	N	N
84GE187	N	N	>20.00	N	.10	N	15	15	.30	--	N	1.00	70	N	N
84GE188	N	N	10.00	N	1.20	10	100	15	1.50	--	50	.50	500	N	N
84GE189	N	N	20.00	N	N	N	30	7	.30	--	N	2.00	100	N	N
84GE190	N	N	.70	N	N	20	150	15	5.00	--	50	1.50	700	N	N
84GE191	N	N	N	N	.20	<5	70	30	2.00	--	N	.50	30	10	N
84GE192	N	N	<.05	N	.10	15	150	10	5.00	--	70	2.00	150	N	N
84GE193A	N	N	<.05	N	.40	N	50	15	.70	--	N	.20	20	20	N
84GE193B	N	N	<.05	N	.10	N	20	10	.50	--	N	.10	10	20	N
84GE193C	N	N	20.00	N	.50	N	15	<5	.70	--	N	2.00	150	N	N
84GE193D	N	N	5.00	<20	8.00	10	50	50	3.00	--	N	3.00	700	N	N
84GE194A	N	N	3.00	N	N	10	70	N	1.50	--	30	1.50	300	N	N
84GE194B	N	N	5.00	N	N	N	20	N	.70	--	N	.70	150	N	N
84GE195	N	N	2.00	N	.20	20	100	30	3.00	--	100	2.00	300	N	N
84GE196A	N	N	1.00	N	.30	15	50	10	1.50	--	30	1.00	200	N	N
84GE196B	N	N	5.00	N	.30	70	15	150	7.00	--	50	.70	300	N	N
84GE196C	N	N	5.00	N	.90	5	N	20	3.00	--	N	1.50	500	N	N
84GE197	N	N	<.05	<20	2.30	70	20	15	15.00	--	30	.10	500	<5	N
84GE198A	N	N	15.00	N	.20	15	50	20	5.00	--	N	5.00	1,000	N	N
84GE198B	N	N	5.00	N	.60	10	70	30	3.00	--	N	2.00	500	N	N
84GE199A	N	N	.07	N	N	15	70	20	5.00	--	30	.30	70	N	<20
84GE199B	N	N	>20.00	N	N	N	<10	7	.30	--	N	1.50	70	N	N
84GE199D	10	N	<.05	N	1.00	100	70	200	20.00	--	50	.30	300	10	N
84GE199E	N	N	>20.00	N	N	N	N	7	.30	--	N	2.00	100	N	N
84GE200A	N	N	10.00	N	.70	150	N	500	10.00	--	N	.20	700	N	N
84GE200B	N	N	2.00	N	.30	10	100	20	3.00	--	50	1.50	300	N	N
84GE200C	N	N	10.00	N	.10	N	10	5	.70	--	N	.20	200	N	N
84GE201	N	N	>20.00	N	N	N	N	5	.10	--	N	.50	70	N	N
84GE204	N	N	>20.00	N	N	N	N	<5	.10	--	N	.50	20	N	N
84GE205	N	N	>20.00	N	N	N	N	<5	.10	--	N	.70	50	N	N
84GE206	N	N	>20.00	N	N	<5	20	5	.70	--	N	1.50	100	N	N
84GE207A	N	N	20.00	N	N	10	30	7	1.00	--	N	1.50	150	N	N
84GE207B	N	N	>20.00	N	N	N	<10	N	.50	--	N	1.00	150	N	N
84KN015	N	N	20.00	N	.70	10	30	30	1.00	--	N	.70	200	N	N
84KN016	N	N	.05	N	N	20	200	10	5.00	--	20	5.00	200	N	N
84KN017A	N	N	20.00	N	N	N	20	N	1.00	--	N	10.00	1,000	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84GE179B	7	<10	N	N	5	N	N	.100	200	N	10	N	10	50
84GE180C	<5	70	N	N	5	10	N	.100	10	N	15	N	20	100
84GE181A	10	10	N	N	5	N	N	.150	200	N	20	N	10	70
84GE181B	5	15	N	N	N	N	500	.050	15	N	10	N	5	10
84GE182A	50	N	N	N	10	N	N	.200	100	N	30	N	15	200
84GE182B	15	N	N	N	5	N	N	.100	50	N	15	N	5	100
84GE183	70	<10	N	N	15	<10	200	.500	100	N	50	N	35	150
84GE184	N	N	N	N	N	N	300	.010	10	N	N	N	5	<10
84GE185	N	<10	N	N	N	N	500	.020	15	N	<10	N	5	10
84GE186	N	<10	N	N	<5	N	700	.020	10	N	N	N	5	10
84GE187	5	<10	N	N	N	N	500	.050	30	N	10	N	10	20
84GE188	20	30	N	N	10	N	500	.300	150	N	30	N	85	70
84GE189	5	<10	N	N	<5	N	700	.050	15	N	<10	N	10	15
84GE190	70	20	N	N	20	N	<100	.300	100	N	50	<200	85	150
84GE191	50	<10	N	N	10	N	100	.200	200	N	10	<200	90	100
84GE192	70	15	N	2	20	N	<100	.500	150	N	30	N	70	150
84GE193A	20	N	<100	36	7	N	N	.150	500	N	20	N	60	70
84GE193B	20	10	N	6	5	N	N	.100	300	N	10	N	35	50
84GE193C	N	50	N	N	<5	N	700	.020	20	N	<10	N	35	10
84GE193D	70	50	<100	36	5	N	500	.100	70	N	30	200	260	50
84GE194A	20	N	N	N	10	N	300	.300	100	N	20	N	10	100
84GE194B	10	N	N	N	<5	N	500	.050	50	N	15	N	5	70
84GE195	70	20	N	N	20	N	200	.500	100	N	50	N	50	150
84GE196A	30	<10	N	N	10	N	100	.200	70	N	30	N	40	150
84GE196B	200	50	N	6	<5	N	300	.030	10	N	30	N	60	10
84GE196C	50	70	N	N	<5	N	500	.015	<10	N	20	N	95	N
84GE197	150	30	N	4	7	N	N	.100	100	N	30	300	210	50
84GE198A	70	100	N	4	10	N	700	.030	20	N	50	N	15	15
84GE198B	50	50	N	N	15	N	150	.200	100	N	20	N	55	100
84GE199A	70	15	N	<2	15	N	N	.300	100	N	30	N	20	150
84GE199B	20	10	N	N	N	N	500	.020	15	N	<10	N	<5	10
84GE199D	200	200	N	20	10	N	N	.100	70	N	50	200	210	50
84GE199E	5	15	N	4	N	N	1,000	.007	10	N	10	N	<5	<10
84GE200A	200	50	N	N	7	N	500	.050	10	N	20	N	35	10
84GE200B	30	10	N	N	20	N	150	.300	200	N	30	N	45	100
84GE200C	10	<10	N	N	<5	N	500	.050	20	N	10	N	5	10
84GE201	N	N	N	N	N	N	500	.020	10	N	N	N	5	<10
84GE204	<5	N	N	N	N	N	500	.015	10	N	<10	N	<5	<10
84GE205	N	N	N	N	N	N	500	.015	10	N	N	N	5	<10
84GE206	15	<10	N	N	5	N	1,000	.050	30	N	10	N	5	20
84GE207A	30	15	N	N	5	N	700	.100	50	N	10	N	10	30
84GE207B	10	10	N	N	<5	N	1,000	.015	10	N	10	N	5	<10
84KN015	20	30	N	N	<5	N	500	.100	70	N	20	N	20	50
84KN016	70	10	N	N	20	N	<100	.500	150	N	20	N	10	150
84KN017A	5	10	N	2	5	N	200	.050	20	N	15	N	5	30

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84KN017B	64 42 49	164 18 19	S C-5	8	N	N	N	--	100	500	1.0
84KN019C	64 43 15	164 18 9	S C-5	7	N	N	N	--	30	500	1.0
84KN022A	64 43 18	164 15 16	S C-5	7	N	<200	50	--	50	30	N
84KN022b	64 43 2	164 15 15	S C-5	7	N	N	<10	--	<10	20	N
84KN026A	64 38 53	164 26 34	S C-5	30	N	N	80	--	N	N	N
84KN026D	64 38 53	164 26 34	S C-5	30	N	N	N	--	N	N	N
84KN028A	64 45 2	163 50 49	S D-4	2	N	N	N	--	70	500	1.5
84KN028B	64 45 2	163 50 49	S D-4	29	N	N	N	--	20	70	<1.0
84KN029	64 44 31	163 53 17	S C-4	2	N	N	N	--	100	500	2.0
84KN030	64 44 26	163 55 35	S C-4	7	N	N	N	--	70	500	1.0
84KN032	64 43 38	163 57 48	S C-4	4	.7	N	30	--	150	1,500	1.0
84KN033	64 43 30	163 58 1	S C-4	5	N	N	N	--	<10	20	N
84KN034	64 42 59	163 58 49	S C-4	7	N	N	N	--	50	300	1.5
84KN035C	64 42 41	163 59 51	S C-4	8	N	N	N	--	50	500	1.0
84KN038	64 33 46	163 56 47	S C-4	2	N	N	10	--	70	200	1.0
84KN039B	64 39 54	162 24 6	S C-1	6	N	N	N	--	<10	N	N
84KN039D	64 39 54	162 24 6	S C-1	4	.7	N	20	--	30	300	1.0
84KN051A	65 12 36	162 49 21	B A-2	13	.7	N	N	--	<10	2,000	<1.0
84KN052B	65 12 26	162 49 12	B A-2	1	.5	N	N	--	<10	700	<1.0
84KN052C	65 12 26	162 49 12	B A-2	13	N	N	N	--	<10	1,000	2.0
84KN052D	65 12 26	162 49 12	B A-2	18	<.5	N	N	--	10	300	2.0
84KN054B	65 11 52	162 49 5	B A-2	29	.7	N	N	--	30	20	N
84KN055	65 11 33	162 49 21	B A-2	13	N	N	N	--	<10	1,000	1.0
84KN063	65 21 54	164 42 41	B B-6	30	N	N	<10	--	15	200	<1.0
84KN064A	65 1 37	164 49 30	B A-6	29	N	N	N	--	10	700	<1.0
84KN064B	65 1 37	164 49 30	B A-6	29	N	N	N	--	<10	50	1.0
84KN065	65 1 28	164 49 40	B A-6	30	N	N	N	--	10	500	1.0
84KN066A	65 1 21	164 49 57	B A-6	1	<.5	N	N	--	10	100	5.0
84KN066B	65 1 21	164 49 57	B A-6	16	N	N	N	--	<10	1,000	1.0
84KN066C	65 1 21	164 49 57	B A-6	18	<.5	N	N	--	30	700	7.0
84KN067A	65 1 18	164 50 16	B A-6	13	N	N	N	--	10	<20	5.0
84KN068A	65 1 54	164 49 34	B A-6	1	N	N	N	--	10	300	N
84KN068B	65 1 54	164 49 34	B A-6	30	N	N	N	--	N	150	<1.0
84KN069	65 2 14	164 49 37	B A-6	1	N	N	N	--	<10	100	1.5
84KN070	64 43 58	164 22 7	S C-5	8	N	N	N	--	30	300	1.5
84KN072	64 44 16	164 19 48	S C-5	6	N	N	N	--	70	200	<1.0
84KN072C	64 44 16	164 19 48	S C-5	29	N	N	N	--	10	<20	<1.0
84KN073	64 45 9	164 23 41	S D-5	8	N	N	N	--	50	500	1.0
84KN074	64 45 17	164 22 1	S D-5	7	N	N	<10	--	100	300	2.0
84KN075	64 46 28	164 17 7	S D-5	5	N	N	N	--	N	<20	N
84KN076	64 46 49	164 9 2	S D-5	8	.5	N	N	--	70	150	1.5
84KN077	64 46 50	164 9 53	S D-5	29	N	N	N	--	<10	<20	N
84KN078	64 45 50	164 11 3	S D-5	8	N	N	N	--	20	100	1.0
84KN080	64 45 1	164 11 44	S D-5	8	N	N	N	--	30	100	1.0
84KN081	64 44 45	164 11 40	S C-5	14	<.5	N	N	--	N	200	1.0

Sample	S-BI	AA-Bi	S-CAZ	S-CD	AA-Cd	S-CD	S-CR	S-CU	S-FE%	I-Hg	S-LA	S-MG%	S-MN	S-MO	S-NB
84KN017B	N	N	1.00	N	N	20	200	15	5.00	--	100	2.00	500	N	N
84KN019C	N	N	1.00	N	.20	15	50	10	2.00	--	20	.30	200	<5	N
84KN022A	N	N	20.00	N	N	<5	50	15	1.00	--	N	1.50	200	N	N
84KN022b	N	N	.20	N	N	N	<10	N	.05	--	N	.05	20	N	N
84KN026A	N	N	>20.00	N	<.10	5	N	7	.70	--	N	.15	500	N	N
84KN026D	N	N	>20.00	N	N	N	N	<5	.20	--	N	.20	300	N	N
84KN028A	N	N	.05	N	N	20	100	20	3.00	--	50	1.00	500	N	N
84KN028B	N	N	.20	N	N	10	50	7	1.00	--	N	.20	200	N	N
84KN029	N	N	<.05	N	N	20	150	20	5.00	--	100	1.00	300	N	<20
84KN030	N	N	1.00	N	N	20	200	70	5.00	--	100	1.50	300	5	<20
84KN032	N	N	<.05	N	.10	N	50	10	.70	--	N	.30	50	50	N
84KN033	N	N	>20.00	N	N	N	<10	15	.10	--	N	1.00	50	N	N
84KN034	N	N	1.00	N	N	20	200	30	3.00	--	50	2.00	700	N	N
84KN035C	N	N	3.00	N	N	20	200	20	3.00	--	70	2.00	1,000	N	N
84KN038	N	N	1.00	N	N	20	150	30	5.00	--	50	1.50	500	N	N
84KN039B	N	N	20.00	N	N	N	N	<5	.10	--	N	2.00	20	N	N
84KN039D	N	N	.50	N	1.30	10	50	100	1.50	--	N	.50	50	7	N
84KN051A	N	N	1.00	N	N	20	15	N	5.00	--	150	1.50	200	N	<20
84KN052B	N	N	.30	N	N	20	100	50	5.00	--	70	1.00	300	N	N
84KN052C	N	N	.50	N	N	7	N	5	1.50	--	150	.15	150	N	N
84KN052D	N	N	.30	N	N	N	N	5	.50	--	N	.15	150	N	N
84KN054B	N	N	<.05	N	N	N	<10	<5	.10	--	N	.07	20	N	N
84KN055	N	N	.70	N	N	10	10	5	2.00	--	50	1.00	200	7	N
84KN063	N	N	.70	N	N	<5	10	<5	7.00	--	N	.20	100	N	N
84KN064A	N	N	<.05	N	N	N	15	N	<.05	--	N	.03	10	10	N
84KN064B	N	N	N	N	N	N	<10	<5	.15	--	N	.02	<10	N	N
84KN065	N	N	<.05	N	N	N	10	7	.70	--	N	.02	70	30	N
84KN066A	N	N	.20	N	N	N	<10	<5	.70	--	100	.05	150	N	<20
84KN066B	N	N	2.00	N	.10	30	150	10	3.00	--	150	2.00	500	N	<20
84KN066C	N	N	.07	N	N	N	10	N	.50	--	N	.10	150	10	30
84KN067A	N	N	.10	N	N	N	N	<5	1.00	--	30	.03	150	N	30
84KN068A	N	N	<.05	N	N	N	10	<5	.20	--	N	.02	10	20	N
84KN068B	N	N	N	N	.10	N	15	70	15.00	--	N	.02	20	5	N
84KN069	N	N	N	N	N	N	N	<5	.20	--	30	.02	30	N	20
84KN070	N	N	.70	N	N	20	100	70	2.00	--	50	1.50	500	N	N
84KN072	N	N	2.00	N	N	30	200	50	3.00	--	30	5.00	200	N	N
84KN072C	N	N	2.00	N	N	10	30	<5	2.00	--	N	1.50	200	N	N
84KN073	N	N	.70	N	N	30	100	5	3.00	--	50	2.00	200	N	N
84KN074	N	N	.15	N	N	20	70	100	2.00	--	50	1.50	200	N	N
84KN075	N	N	20.00	N	N	N	N	N	.05	--	N	.50	15	N	N
84KN076	N	N	.50	N	N	20	70	300	3.00	--	N	2.00	500	N	N
84KN077	N	N	<.05	N	N	N	N	N	<.05	--	N	<.02	<10	N	N
84KN078	N	N	5.00	N	.10	20	100	20	3.00	--	<20	1.50	700	N	N
84KN080	N	N	1.50	N	N	15	100	20	3.00	--	N	1.50	500	N	N
84KN081	N	N	2.00	N	N	30	100	50	5.00	--	N	3.00	700	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84KN017B	100	10	N	N	20	N	<100	.500	100	N	50	N	20	200
84KN019C	50	<10	N	N	10	N	<100	.200	100	N	20	N	40	100
84KN022A	20	15	N	N	5	N	1,000	.070	70	N	10	N	15	30
84KN022b	N	N	N	N	N	N	N	.005	N	N	N	N	N	10
84KN026A	10	<10	150	58	N	N	<100	.007	N	N	10	N	20	<10
84KN026D	N	N	N	20	N	N	200	<.002	<10	N	N	N	5	N
84KN028A	50	20	N	N	15	N	100	.300	100	N	50	N	55	200
84KN028B	20	<10	N	N	5	N	100	.100	70	N	30	N	15	70
84KN029	70	30	N	N	20	N	N	.500	150	N	50	N	35	150
84KN030	100	20	N	N	20	N	150	.500	150	N	50	N	25	200
84KN032	20	<10	N	<2	10	N	<100	.200	500	N	30	N	15	100
84KN033	N	<10	N	N	N	N	500	.010	<10	N	<10	N	N	<10
84KN034	70	20	N	N	20	N	200	.300	150	N	50	N	35	150
84KN035C	70	50	N	N	20	N	500	.500	100	N	50	N	45	150
84KN038	70	20	N	N	20	N	100	.300	100	N	50	N	80	150
84KN039B	N	N	N	N	N	N	500	.005	N	N	N	N	N	N
84KN039D	70	N	N	N	7	N	N	.200	500	N	15	N	100	100
84KN051A	N	15	N	N	10	N	700	.500	50	N	30	N	95	300
84KN052B	20	20	N	N	15	N	100	.500	70	N	30	N	55	200
84KN052C	15	100	N	N	<5	<10	300	.200	15	N	10	N	30	200
84KN052D	5	100	N	N	N	N	100	.010	<10	N	N	N	<5	100
84KN054B	N	N	N	N	N	N	N	.020	10	N	N	N	<5	<10
84KN055	N	70	N	2	<5	<10	500	.300	20	N	10	N	75	500
84KN063	15	N	N	N	<5	N	N	.100	50	N	<10	N	15	20
84KN064A	N	N	N	N	5	N	<100	.150	300	N	15	N	N	70
84KN064B	<5	<10	N	N	N	N	N	.020	50	N	N	N	10	10
84KN065	N	N	N	3	N	N	N	.070	200	N	<10	N	5	50
84KN066A	N	100	N	N	5	10	N	.070	N	N	70	N	20	100
84KN066B	50	30	N	N	20	N	500	.700	100	N	50	N	75	150
84KN066C	N	70	N	N	5	10	N	.070	70	N	30	N	5	30
84KN067A	5	70	N	N	<5	15	N	.050	<10	N	10	N	25	10
84KN068A	N	<10	N	N	<5	N	N	.150	200	N	70	N	<5	30
84KN068B	5	10	N	3	5	N	N	.050	200	N	20	200	75	30
84KN069	<5	10	N	<1	<5	10	N	.050	<10	N	20	N	<5	70
84KN070	70	<10	N	N	20	N	<100	1.000	100	N	20	N	20	200
84KN072	100	<10	N	N	20	N	200	.500	150	N	20	N	10	200
84KN072C	50	<10	N	N	5	N	150	.150	70	N	10	N	5	20
84KN073	70	30	N	2	20	N	<100	.500	100	N	30	N	15	200
84KN074	70	<10	N	N	15	N	N	.300	100	N	20	N	25	200
84KN075	N	N	N	N	N	N	500	.010	20	N	N	N	20	<10
84KN076	50	10	N	N	20	N	100	.200	100	N	30	N	30	100
84KN077	N	N	N	N	N	N	N	<.002	<10	N	N	N	N	N
84KN078	50	30	N	N	15	N	300	.300	100	N	30	N	30	100
84KN080	50	20	N	N	15	N	200	.200	100	N	30	N	40	100
84KN081	70	20	N	N	30	N	500	.700	200	N	30	<200	40	70

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84KN082	64 45 5	164 8 30	S D-5	28	<.5	N	N	--	30	200	1.5
84KN083	64 45 0	164 9 5	S C-5	8	N	N	N	--	50	300	1.0
84KN085	64 44 43	164 8 7	S C-5	6	N	N	N	--	70	300	2.0
84KN090	65 31 28	164 9 15	B C-5	10	N	N	<10	N	20	<20	N
84KN090C	65 31 28	164 9 15	B C-5	30	N	N	<10	--	20	300	<1.0
84KN093	65 31 35	164 11 19	B C-5	30	N	N	<10	N	<10	<20	N
84KN099	64 52 25	164 57 45	S D-6	7	N	N	<10	--	20	200	1.5
84KN108	65 13 11	164 0 29	B A-5	1	N	N	N	--	150	500	1.0
84KN108B	65 13 11	164 0 29	B A-5	29	N	N	N	--	<10	N	N
84KN110B	65 13 29	164 1 43	B A-5	18	N	N	N	--	20	N	100.0
84KN111	65 14 16	164 2 30	B A-5	1	N	N	N	--	50	300	1.0
84KN113	65 14 57	164 3 12	B A-5	1	N	N	N	--	70	500	1.0
84KN114	65 4 13	164 1 42	B A-5	7	.5	N	10	--	30	1,500	<1.0
84KN115A	65 4 21	164 1 38	B A-5	7	N	N	N	--	30	300	1.5
84KN115B	65 4 21	164 1 38	B A-5	30	N	N	N	--	N	N	N
84KN116B	65 4 13	164 2 12	B A-5	30	<.5	N	10	--	<10	700	1.0
84KN119B	65 3 59	164 3 28	B A-5	7	1.0	N	10	--	50	1,000	<1.0
84KN120	65 3 44	164 4 10	B A-5	4	<.5	N	N	--	150	500	1.5
84KN121A	65 13 43	163 50 5	B A-4	13	N	N	N	--	<10	1,500	1.0
84KN122A	65 13 44	163 49 40	B A-4	1	N	N	N	--	10	700	1.5
84KN123B	65 13 44	163 49 6	B A-4	27	N	N	N	--	<10	N	N
84KN124B	65 13 38	163 48 18	B A-4	1	N	N	N	--	10	500	1.5
84KN125B	65 13 50	163 47 19	B A-4	1	N	N	N	--	10	150	<1.0
84KN125C	65 13 50	163 47 19	B A-4	13	N	N	N	--	<10	1,000	3.0
84KN126A	64 53 24	164 6 29	S D-5	5	N	N	N	--	N	N	N
84KN127A	64 53 6	164 6 51	S D-5	7	N	N	10	--	100	300	1.0
84KN128A	64 52 56	164 7 20	S D-5	6	N	N	<10	--	<10	<20	N
84KN128B	64 52 56	164 7 20	S D-5	27	N	N	10	N	30	100	1.0
84KN130A	64 52 42	164 6 7	S D-5	30	N	N	20	N	<10	<20	N
84KN130B	64 52 42	164 6 7	S D-5	24	<.5	500	600	--	20	200	1.0
84KN132	64 52 5	164 6 43	S D-5	7	N	N	N	--	50	200	1.0
84KN135A	64 51 11	164 52 23	S D-6	11	N	N	10	--	<10	<20	<1.0
84KN137	64 52 8	164 49 14	S D-6	9	N	N	<10	--	20	<20	N
84KN138	65 30 21	164 16 42	B C-5	30	N	N	10	N	20	300	<1.0
84KN140	65 29 19	164 16 11	B B-5	30	N	N	N	N	50	700	<1.0
84KN144A	65 41 19	164 18 23	B C-5	6	N	N	N	--	10	70	N
84KN144B	65 41 19	164 18 23	B C-5	29	N	N	N	--	<10	100	N
84KN148B	65 41 24	164 19 59	B C-5	24	N	N	10	--	20	2,000	2.0
84KN152	65 36 56	164 16 13	B C-5	6	N	N	N	--	<10	<20	N
84KN153	65 39 11	164 38 34	B C-6	10	N	N	N	--	N	N	N
84KN154	65 33 43	164 40 12	B C-6	7	N	N	10	--	50	100	<1.0
84KN154B	65 33 43	164 40 12	B C-6	29	N	N	30	--	<10	N	N
84KN155	65 37 20	164 58 10	B C-6	8	N	N	N	--	20	200	1.0
84KN156	65 34 57	164 59 26	B C-6	5	N	N	N	--	N	N	N
84KN157	65 31 46	164 53 38	B C-6	10	N	N	N	--	20	50	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84KN082	N	N	.30	N	N	20	100	20	3.00	--	<20	2.00	500	N	N
84KN083	N	N	.07	N	N	20	150	10	5.00	--	50	2.00	500	N	N
84KN085	N	N	3.00	N	N	15	50	10	1.50	--	<20	.70	100	N	N
84KN090	N	N	>20.00	N	N	N	30	7	.50	--	N	2.00	200	N	N
84KN090C	N	N	20.00	N	.10	20	70	10	3.00	--	N	1.00	700	N	N
84KN093	N	N	5.00	N	N	N	N	N	.50	--	N	.30	100	N	N
84KN099	N	N	3.00	N	N	15	100	15	2.00	--	50	3.00	300	N	N
84KN108	N	N	<.05	N	N	20	100	15	5.00	--	70	1.00	200	<5	<20
84KN108B	N	N	N	N	N	N	N	<5	<.05	--	N	<.02	<10	N	N
84KN110B	N	N	<.05	N	N	N	N	N	.20	--	N	.07	200	N	50
84KN111	N	N	<.05	N	N	30	150	30	5.00	--	50	1.50	150	N	N
84KN113	N	N	.05	N	N	20	150	20	5.00	--	50	1.50	200	N	<20
84KN114	N	N	N	N	N	N	20	5	.50	--	N	.15	10	10	N
84KN115A	N	N	.20	N	N	20	70	<5	2.00	--	70	1.00	500	N	N
84KN115B	N	N	N	N	N	100	30	N	7.00	--	N	5.00	700	N	N
84KN116B	N	N	<.05	N	N	20	150	30	3.00	--	70	.20	50	N	N
84KN119B	N	N	N	N	N	N	50	50	1.50	--	N	.50	10	30	N
84KN120	N	N	<.05	N	N	15	100	30	2.00	--	N	1.00	150	10	<20
84KN121A	N	N	.70	N	.30	N	N	5	1.00	--	70	.20	150	N	N
84KN122A	N	N	1.00	N	N	15	50	10	1.50	--	50	1.50	200	N	N
84KN123B	N	N	20.00	N	N	N	50	<5	.70	--	N	2.00	200	N	N
84KN124B	N	N	2.00	N	N	15	70	<5	2.00	--	50	1.50	700	N	N
84KN125B	N	N	2.00	N	N	10	100	10	3.00	--	30	2.00	500	N	N
84KN125C	N	N	.70	N	N	N	N	5	.70	--	100	.30	200	N	N
84KN126A	N	N	>20.00	N	N	N	N	N	N	--	N	.50	150	N	N
84KN127A	N	N	<.05	N	N	20	100	20	3.00	--	50	1.50	300	N	<20
84KN128A	N	N	20.00	N	N	N	20	<5	.50	--	N	1.00	70	N	N
84KN128B	N	N	2.00	N	N	20	100	30	2.00	--	30	.70	200	N	<20
84KN130A	N	N	2.00	N	N	<5	<10	N	.50	--	N	.03	50	N	N
84KN130B	N	N	.10	<20	8.00	70	50	150	10.00	--	N	.20	300	100	N
84KN132	N	N	.20	N	N	15	100	20	5.00	--	N	1.50	150	N	N
84KN135A	N	N	2.00	N	N	50	70	50	7.00	--	N	2.00	1,000	N	N
84KN137	N	N	10.00	N	N	10	30	7	1.50	--	N	1.50	300	N	N
84KN138	N	N	10.00	N	.20	10	30	10	1.50	--	N	.50	150	N	N
84KN140	N	N	1.00	N	N	<5	20	<5	.70	--	N	.30	100	N	N
84KN144A	N	N	20.00	N	N	<5	<10	<5	.30	--	N	1.00	100	N	N
84KN144B	N	N	.20	N	N	N	<10	N	.05	--	N	.05	20	N	N
84KN148B	N	N	.20	N	.30	7	20	20	20.00	--	N	.20	50	20	N
84KN152	N	N	20.00	N	N	N	15	<5	.30	--	N	1.50	100	N	N
84KN153	N	N	>20.00	N	N	N	N	<5	.20	--	N	7.00	200	N	N
84KN154	N	N	.05	N	N	15	100	10	5.00	--	50	2.00	200	N	N
84KN154B	N	N	<.05	N	N	N	N	5	.20	--	N	.02	10	N	N
84KN155	N	N	.70	N	<.10	15	150	<5	2.00	--	30	1.50	500	N	N
84KN156	N	N	20.00	N	N	N	10	<5	.20	--	N	.70	50	N	N
84KN157	N	N	20.00	N	<.10	7	50	15	1.00	--	N	2.00	100	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84KN082	70	20	N	N	20	N	100	.300	150	N	30	N	30	100
84KN083	50	10	N	N	15	N	<100	.300	100	N	30	N	20	100
84KN085	20	20	N	N	10	N	200	.200	70	N	20	N	25	150
84KN090	10	<10	N	N	5	N	500	.070	10	N	10	N	20	30
84KN090C	50	10	N	N	7	N	300	.150	100	N	15	N	35	50
84KN093	N	N	N	N	N	N	150	<.002	N	N	N	N	N	N
84KN099	50	20	N	N	10	N	500	.200	100	N	30	N	65	100
84KN108	30	<10	N	N	20	N	N	.500	150	N	50	N	40	100
84KN108B	N	N	N	N	N	N	N	<.002	N	N	N	N	<5	N
84KN110B	5	50	N	N	N	70	N	.007	N	N	N	N	N	<10
84KN111	100	N	N	N	20	N	N	.500	100	N	50	<200	N	150
84KN113	50	N	N	N	20	N	N	.700	150	N	50	N	5	200
84KN114	15	10	N	4	7	N	N	.200	300	N	20	N	85	70
84KN115A	50	<10	N	N	15	N	N	.300	100	N	20	N	50	100
84KN115B	200	N	N	N	5	N	N	.005	20	N	N	300	180	N
84KN116B	50	30	N	N	20	N	100	.500	100	N	50	N	120	150
84KN119B	50	10	N	6	10	N	N	.150	300	N	10	200	240	70
84KN120	50	<10	N	N	10	N	N	.500	100	N	30	N	40	150
84KN121A	5	50	N	N	<5	N	1,000	.150	20	N	20	N	35	100
84KN122A	20	<10	N	N	15	N	150	.300	100	N	30	N	65	100
84KN123B	20	<10	N	N	5	N	300	.070	20	N	10	N	5	20
84KN124B	30	10	N	N	15	10	100	.300	100	N	30	N	40	150
84KN125B	30	30	N	N	10	N	300	.200	70	N	20	N	40	70
84KN125C	20	50	N	N	5	N	1,000	.150	15	N	20	N	25	100
84KN126A	N	N	N	N	N	N	300	.005	N	N	<10	N	5	N
84KN127A	50	30	N	N	15	N	N	.300	100	N	50	N	80	100
84KN128A	20	<10	N	N	N	N	500	.050	10	N	<10	N	10	10
84KN128B	50	20	N	N	10	N	200	.300	100	N	30	N	25	150
84KN130A	7	N	N	6	N	N	N	.010	10	N	N	N	10	<10
84KN130B	30	100	200	130	5	N	500	.100	100	N	<10	700	720	50
84KN132	50	20	N	N	10	N	N	.300	100	N	20	N	60	70
84KN135A	50	10	N	N	20	N	500	1.000	200	N	30	N	55	100
84KN137	20	50	N	N	5	N	700	.100	50	N	15	N	10	30
84KN138	20	N	N	N	7	N	150	.100	100	N	15	N	20	50
84KN140	10	N	N	N	5	N	100	.150	50	N	10	N	10	100
84KN144A	10	<10	N	N	N	N	500	.050	20	N	N	N	5	10
84KN144B	N	N	N	N	N	N	N	.007	10	N	N	N	<5	<10
84KN148B	50	10	N	6	10	N	N	.100	200	N	30	300	260	100
84KN152	5	<10	N	N	N	N	500	.030	20	N	N	N	5	10
84KN153	N	N	N	N	N	N	200	.020	<10	N	N	N	<5	N
84KN154	50	N	N	N	10	N	N	.300	100	N	20	N	25	100
84KN154B	<5	N	N	N	N	N	N	.020	20	N	N	N	<5	10
84KN155	50	10	N	N	15	N	150	.200	100	N	20	N	25	70
84KN156	N	<10	N	N	N	N	1,500	.010	10	N	N	N	5	<10
84KN157	20	<10	N	N	<5	N	1,000	.050	50	N	N	N	10	15

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84KN158A	64 51 10	164 47 14	S D-6	11	N	N	N	--	20	20	N
84KN159	64 54 15	164 52 36	S D-6	6	N	N	N	--	10	700	N
84KN161	64 48 8	164 56 19	S D-6	9	N	N	N	--	70	150	N
84KN162	64 47 52	164 51 4	S D-6	9	N	N	N	--	50	200	N
84KN162B	64 47 52	164 51 4	S D-6	29	N	N	N	--	<10	<20	N
84KN163A	64 44 38	164 35 51	S C-6	11	.7	N	10	--	10	200	<1.0
84KN164	64 54 53	164 47 10	S D-6	4	<.5	N	10	--	50	700	N
84KN164B	64 54 53	164 47 10	S D-6	4	.7	N	20	--	70	1,000	<1.0
84KN165	64 56 26	164 42 59	S D-6	4	<.5	N	20	--	50	1,000	N
84KN166	64 47 53	164 25 7	S D-5	2	N	N	N	--	20	100	<1.0
84KN167A	64 55 30	164 41 30	S D-6	6	N	N	30	--	30	500	N
84KN169	64 56 22	164 41 5	S D-6	5	N	N	10	--	N	<20	N
84KN170	64 56 37	164 40 52	S D-6	6	N	N	N	--	N	<20	N
84KN173	64 57 14	164 39 46	S D-6	7	N	N	20	--	20	300	1.0
84KN176	64 57 37	164 39 6	S D-6	6	N	N	N	--	N	N	N
84PK002	64 41 14	164 16 9	S C-5	2	N	N	10	--	30	200	1.0
84PK004	64 40 46	164 15 14	S C-5	2	N	N	30	--	50	150	1.0
84PK007	64 40 36	164 12 8	S C-5	4	N	N	N	--	20	50	1.0
84PK010	64 41 0	164 12 7	S C-5	2	<.5	N	N	--	50	70	<1.0
84PK012	64 41 52	164 13 17	S C-5	29	N	N	N	--	<10	<20	N
84PK014	64 42 10	164 12 41	S C-5	2	N	N	N	--	10	N	1.0
84PK017	64 42 40	164 12 27	S C-5	4	N	N	N	--	50	5,000	<1.0
84PK018	64 42 50	164 12 7	S C-5	6	<.5	N	N	--	20	100	N
84PK019	64 43 1	164 11 36	S C-5	7	N	N	N	--	20	300	1.0
84PK020	64 42 21	164 10 17	S C-5	6	N	N	20	--	50	700	1.0
84PK025	64 40 15	164 19 50	S C-5	30	N	N	<10	--	<10	<20	<1.0
84PK027	64 40 43	164 19 48	S C-5	7	N	N	10	--	50	300	1.0
84PK030	64 41 25	164 19 21	S C-5	7	N	N	<10	--	50	200	1.0
84PK035	64 41 38	164 17 37	S C-5	7	N	N	N	--	<10	20	N
84PK037	64 45 16	163 51 0	S D-4	2	N	N	30	--	150	300	1.0
84PK038	64 45 29	163 52 47	S D-4	2	N	N	<10	--	70	200	1.5
84PK044	64 46 40	163 53 29	S D-4	2	N	N	10	--	50	300	1.0
84PK047	64 47 1	163 51 8	S D-4	2	N	N	<10	--	100	500	1.5
84PK048	64 46 28	163 49 58	S D-4	2	N	N	N	--	30	70	<1.0
84PK049	64 47 17	163 46 59	S D-4	4	<.5	N	20	--	100	2,000	1.0
84PK050A	64 47 38	163 46 23	S D-4	7	N	N	N	--	50	100	1.0
84PK052	64 47 6	163 47 11	S D-4	7	N	N	<10	--	10	150	N
84PK053	64 46 54	163 47 35	S D-4	7	N	N	N	--	150	100	1.0
84PK076	64 38 39	164 13 45	S C-5	4	N	N	10	--	50	300	1.5
84PK079	64 36 55	164 11 40	S C-5	23	N	N	10	--	70	500	1.5
84PK082	64 36 56	164 8 39	S C-5	23	N	N	20	--	20	300	1.0
84PK084	64 37 47	164 9 53	S C-5	23	N	N	10	--	100	500	1.5
84PK089	64 46 24	164 1 41	S D-5	11	N	N	<10	--	<10	50	N
84PK090	64 46 13	164 1 36	S D-5	30	N	N	N	--	50	300	1.0
84PK092	64 45 48	164 1 23	S D-5	8	N	N	N	--	30	200	1.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84KN158A	N	N	1.50	N	N	50	70	50	5.00	--	N	2.00	700	N	N
84KN159	N	N	15.00	N	.10	N	10	5	.30	--	N	1.50	100	N	N
84KN161	N	N	10.00	N	N	10	70	20	2.00	--	N	2.00	300	N	N
84KN162	N	N	10.00	N	N	15	150	20	2.00	--	N	2.00	300	N	N
84KN162B	N	N	1.00	N	N	7	N	7	.50	--	N	.20	50	N	N
84KN163A	N	N	1.00	N	N	50	100	20	5.00	--	N	2.00	500	N	N
84KN164	N	N	5.00	N	.80	N	30	10	.70	--	N	1.00	70	30	N
84KN164B	N	N	N	N	.20	10	100	100	3.00	--	N	1.00	50	30	N
84KN165	N	N	10.00	N	.20	7	50	15	.70	--	N	1.50	70	5	N
84KN166	N	N	2.00	N	N	10	100	10	1.50	--	N	1.00	1,000	N	N
84KN167A	N	N	20.00	N	N	5	50	10	.70	--	N	2.00	150	N	N
84KN169	N	N	>20.00	N	N	N	<10	<5	.07	.06	N	.20	100	N	N
84KN170	N	N	>20.00	N	N	N	10	<5	.05	.04	N	.15	30	N	N
84KN173	N	N	1.50	N	N	10	100	5	3.00	<.02	50	1.50	150	N	N
84KN176	N	N	>20.00	N	N	N	N	N	.05	<.02	N	.50	100	N	N
84PK002	N	N	.30	N	.10	20	70	30	3.00	--	50	1.50	150	N	N
84PK004	N	N	.10	N	N	20	50	5	1.50	--	N	1.00	150	N	N
84PK007	N	N	1.50	N	N	<5	50	<5	2.00	--	N	2.00	150	N	N
84PK010	N	N	<.05	N	N	7	50	5	1.00	--	N	1.00	20	<5	N
84PK012	N	N	<.05	N	N	N	N	N	.07	--	N	.07	10	N	N
84PK014	N	N	.05	N	N	10	70	N	2.00	--	50	3.00	70	N	N
84PK017	N	N	N	N	N	N	10	<5	.05	--	50	.15	15	10	N
84PK018	N	N	20.00	N	N	N	10	7	.20	--	N	.50	100	N	N
84PK019	N	N	.15	N	N	15	100	N	3.00	--	100	5.00	70	N	<20
84PK020	N	N	2.00	N	<.10	20	100	10	3.00	--	50	.70	150	N	N
84PK025	N	N	.50	N	N	N	N	10	<.05	--	N	.02	10	N	N
84PK027	N	N	.15	N	.30	20	70	50	3.00	--	50	1.00	200	<5	N
84PK030	N	N	<.05	N	<.10	20	50	20	2.00	--	N	1.50	200	N	N
84PK035	N	N	.05	N	N	N	<10	<5	.50	--	N	1.50	50	N	N
84PK037	N	N	.15	N	N	20	70	7	3.00	--	50	1.00	200	N	<20
84PK038	N	N	.07	N	N	15	50	30	2.00	--	N	.50	200	N	N
84PK044	N	N	<.05	N	N	15	30	10	2.00	--	N	.50	200	N	N
84PK047	N	N	.07	N	N	30	70	30	5.00	--	70	1.50	300	N	N
84PK048	N	N	<.05	N	N	N	20	N	.50	--	N	.30	20	N	N
84PK049	N	N	N	N	N	N	50	30	1.00	--	N	.30	10	20	N
84PK050A	N	N	.70	N	N	20	70	10	2.00	--	N	1.50	500	N	N
84PK052	N	N	>20.00	N	N	N	<10	5	.15	--	N	2.00	50	N	N
84PK053	N	N	.07	N	N	20	70	<5	5.00	--	N	3.00	70	N	N
84PK076	N	N	.10	N	.10	15	50	15	2.00	--	50	1.50	200	N	<20
84PK079	N	N	.20	N	.10	20	50	20	3.00	--	50	1.00	200	N	<20
84PK082	N	N	1.00	N	.20	15	100	30	3.00	--	50	1.00	500	N	N
84PK084	N	N	.50	N	N	30	150	30	5.00	--	50	1.50	700	N	N
84PK089	N	N	3.00	N	.20	50	150	150	5.00	--	N	3.00	1,000	N	N
84PK090	N	N	.50	N	N	N	10	N	.70	--	N	.20	50	N	N
84PK092	N	N	1.00	N	N	20	70	70	2.00	--	<20	1.50	700	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84KN158A	30	<10	N	N	20	N	<100	1.000	150	N	30	N	60	100
84KN159	N	15	N	N	N	N	700	.030	10	N	<10	N	10	15
84KN161	30	15	N	N	5	N	300	.150	50	N	10	N	10	50
84KN162	50	20	N	N	7	N	500	.150	70	N	10	N	10	70
84KN162B	30	N	N	N	N	N	<100	.100	N	N	N	N	5	N
84KN163A	70	10	N	N	20	N	<100	.700	100	N	30	N	75	100
84KN164	20	<10	N	2	5	N	200	.100	100	N	15	N	35	50
84KN164B	70	15	N	2	10	N	100	.200	100	N	20	<200	95	70
84KN165	20	10	N	N	5	N	300	.100	100	N	10	N	20	50
84KN166	20	<10	N	N	7	N	N	.150	50	N	20	N	15	100
84KN167A	20	10	N	N	<5	N	500	.050	20	N	10	N	15	20
84KN169	N	N	N	N	N	N	1,000	.010	N	N	N	N	N	20
84KN170	N	N	N	N	N	N	1,000	.010	N	N	<10	N	N	10
84KN173	50	10	N	18	10	N	N	.300	100	N	30	N	70	100
84KN176	N	N	N	2	N	N	200	.005	<10	N	N	N	N	10
84PK002	50	N	N	N	10	N	N	.300	100	N	50	N	50	300
84PK004	50	N	N	N	7	N	N	.300	100	N	15	N	35	200
84PK007	30	N	N	N	7	N	100	.200	100	N	15	N	5	200
84PK010	15	N	N	N	5	N	N	.200	100	N	N	N	<5	150
84PK012	N	N	N	N	N	N	N	.003	<10	N	N	N	N	N
84PK014	50	N	N	N	10	N	N	.300	100	N	15	N	10	500
84PK017	N	<10	N	2	<5	N	N	.100	150	N	<10	N	N	70
84PK018	N	<10	N	N	N	N	300	.010	10	N	<10	N	5	10
84PK019	70	N	N	N	15	N	N	.500	100	N	50	N	20	500
84PK020	70	<10	N	N	10	N	200	.300	100	N	50	N	25	500
84PK025	N	N	N	N	N	N	N	.010	<10	N	N	N	N	<10
84PK027	70	<10	N	N	10	N	N	.300	150	N	20	N	45	200
84PK030	50	<10	N	N	10	N	N	.200	100	N	15	N	50	200
84PK035	10	N	N	N	N	N	N	.050	10	N	N	N	10	30
84PK037	50	<10	N	N	15	N	N	.500	150	N	15	N	40	200
84PK038	50	<10	N	N	10	N	N	.300	150	N	15	N	35	200
84PK044	30	<10	N	10	10	N	N	.200	100	N	10	N	30	200
84PK047	70	10	N	N	15	N	N	.500	150	N	30	N	55	300
84PK048	N	N	N	N	<5	N	N	.100	30	N	10	N	<5	70
84PK049	20	N	N	4	10	N	N	.200	200	N	10	N	15	150
84PK050A	70	<10	N	N	15	N	100	.300	100	N	15	N	45	100
84PK052	N	<10	N	N	N	N	1,000	.020	N	N	N	N	5	15
84PK053	70	<10	N	N	10	N	N	.500	100	N	10	N	15	200
84PK076	50	20	N	N	15	N	N	.300	100	N	30	N	35	200
84PK079	50	<10	N	N	15	N	N	.300	100	N	50	N	30	150
84PK082	50	15	N	N	15	N	N	.200	150	N	50	N	25	100
84PK084	70	15	N	N	20	N	100	.500	100	N	50	N	40	150
84PK089	70	<10	N	N	30	N	150	.500	300	N	20	N	30	50
84PK090	5	N	N	N	<5	N	N	.150	15	N	<10	N	5	100
84PK092	30	10	N	N	15	N	150	.300	100	N	20	N	45	100

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84PK096	64 45 10	164 1 42	S D-5	8	N	N	N	N	70	300	1.5
84PK098	64 44 53	164 1 47	S C-5	29	N	N	N	--	<10	50	1.0
84PK103	64 44 42	164 2 3	S C-5	30	N	N	N	--	10	500	<1.0
84PK105	64 44 32	164 0 46	S C-5	11	N	N	N	--	<10	70	<1.0
84PK106	64 44 35	164 1 0	S C-5	8	N	N	N	--	30	300	1.0
84PK108	64 52 51	164 51 41	S D-6	8	N	N	N	--	<10	N	<1.0
84PK111	64 53 27	164 51 18	S D-6	10	N	N	10	--	10	50	<1.0
84PK113	64 53 39	164 51 19	S D-6	11	N	N	N	--	20	100	<1.0
84PK115	64 53 45	164 51 20	S D-6	7	N	N	N	--	50	200	1.0
84PK116	64 42 58	164 48 20	S C-6	8	N	N	N	--	<10	<20	N
84PK122	64 42 9	164 48 50	S C-6	8	<1.5	N	N	--	70	500	1.0
84PK125	64 41 44	164 49 34	S C-6	28	N	N	N	--	10	20	N
84PK127	64 41 53	164 50 2	S C-6	30	N	N	N	--	10	20	N
84PK129	64 41 37	164 50 14	S C-6	8	N	N	N	--	70	500	1.0
84PK131	64 41 22	164 51 53	S C-6	21	N	N	N	--	10	70	N
84PK136	64 44 33	164 2 32	S C-5	8	N	N	N	--	20	200	<1.0
84PK139	64 44 24	164 2 33	S C-5	8	N	N	N	--	50	500	1.5
84PK141	64 44 16	164 2 21	S C-5	22	1.5	N	N	--	100	300	1.0
84PK144	64 43 57	164 2 27	S C-5	30	N	N	N	--	10	<20	N
84PK145	64 43 41	164 2 27	S C-5	8	.5	N	N	--	30	300	1.0
84PK146	64 51 6	164 36 50	S D-6	11	N	N	N	--	<10	N	N
84PK148	64 51 2	164 35 59	S D-6	8	N	N	N	N	20	200	<1.0
84PK149	64 50 53	164 35 31	S D-6	21	N	N	10	--	N	30	<1.0
84PK150	64 50 45	164 35 25	S D-6	11	N	N	10	--	<10	N	<1.0
84PK153	65 46 54	164 34 23	B D-6	4	N	N	30	--	50	50	1.0
84PK154	65 47 3	164 34 9	B D-6	4	N	N	10	--	50	100	<1.0
84PK155	65 46 54	164 35 26	B D-6	21	2.0	N	10	--	30	1,000	1.0
84PK156	65 46 39	164 35 23	B D-6	29	1.0	N	20	--	20	1,000	1.0
84PK157	65 46 14	164 35 43	B D-6	7	N	N	<10	--	50	500	1.5
84PK160	65 45 52	164 35 32	B D-6	7	N	N	<10	--	15	150	<1.0
84PK185	65 30 6	162 9 5	B C-1	12	N	N	N	--	<10	500	1.0
84PK186	65 29 57	162 9 2	B B-1	12	N	N	N	--	<10	500	1.0
84PK187	65 29 41	162 9 4	B B-1	12	N	N	N	--	<10	500	1.0
84PK188	65 28 36	162 21 2	B B-1	8	N	N	N	--	15	500	1.0
84PK189B	65 9 57	163 48 16	B A-4	16	N	N	N	--	<10	1,000	<1.0
84PK189C	65 9 57	163 48 16	B A-4	13	N	N	N	--	<10	500	2.0
84PK190B	65 10 3	163 47 29	B A-4	13	<1.5	N	N	--	<10	200	2.0
84PK191B	65 10 13	163 47 22	B A-4	1	N	N	<10	--	30	500	1.5
84PK193	65 10 24	163 47 24	B A-4	16	N	N	N	--	<10	500	1.0
84PK194B	65 10 30	163 47 26	B A-4	14	N	N	N	--	<10	1,500	<1.0
84PK194E	65 10 30	163 47 26	B A-4	30	N	N	N	--	10	50	3.0
84PK197A	65 10 33	163 47 30	B A-4	14	N	N	N	--	<10	1,500	1.0
84PK198	64 54 38	164 2 37	S D-5	2	N	N	30	--	100	300	1.0
84PK200	64 54 19	164 4 28	S D-5	30	N	N	10	--	70	300	1.0
84PK201A	64 54 16	164 5 8	S D-5	30	N	N	N	--	<10	N	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CD	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84PK096	N	N	.50	N	N	30	150	20	3.00	--	70	3.00	700	N	N
84PK098	N	N	5.00	N	N	15	100	<5	.50	--	50	2.00	1,000	N	N
84PK103	N	N	5.00	N	N	20	150	100	5.00	--	30	2.00	700	N	N
84PK105	N	N	2.00	N	.20	30	N	10	5.00	--	<20	1.50	500	N	N
84PK106	N	N	5.00	N	N	20	150	<5	5.00	--	70	1.50	1,500	N	N
84PK108	N	N	1.50	N	N	50	200	150	7.00	--	N	2.00	1,000	N	N
84PK111	N	N	5.00	N	N	70	100	100	5.00	--	N	3.00	700	N	N
84PK113	N	N	.70	N	N	30	150	30	5.00	--	N	2.00	500	N	N
84PK115	N	N	.05	N	N	15	50	5	3.00	--	30	1.00	100	N	N
84PK116	N	N	1.50	N	N	70	100	50	7.00	--	N	2.00	1,000	N	<20
84PK122	N	N	1.00	N	N	50	200	200	5.00	--	50	2.00	500	N	<20
84PK125	N	N	<.05	N	N	N	N	N	.10	--	N	.02	<10	N	N
84PK127	N	N	<.05	N	N	N	N	N	<.05	--	N	.02	10	N	N
84PK129	N	N	2.00	N	N	20	200	50	3.00	--	50	1.00	1,000	N	<20
84PK131	N	N	5.00	N	N	70	150	150	7.00	--	N	3.00	1,000	N	N
84PK136	N	N	.50	N	N	30	200	30	3.00	--	N	2.00	200	N	N
84PK139	N	N	.20	N	N	30	30	20	2.00	--	30	1.00	700	N	N
84PK141	N	N	.50	N	N	50	150	700	5.00	--	50	3.00	700	N	N
84PK144	<10	N	1.00	N	N	10	150	30	1.00	--	N	1.00	500	N	N
84PK145	N	N	.20	N	N	30	100	100	3.00	--	50	2.00	1,000	N	N
84PK146	N	N	10.00	N	N	50	300	70	5.00	--	N	5.00	500	N	N
84PK148	N	N	3.00	N	N	50	200	50	5.00	--	30	2.00	700	N	N
84PK149	N	N	1.00	N	N	70	<10	150	15.00	--	70	1.00	2,000	N	N
84PK150	N	N	2.00	N	N	50	30	30	10.00	--	N	2.00	1,000	N	N
84PK153	N	N	.70	N	N	50	100	20	5.00	--	50	2.00	150	N	<20
84PK154	N	N	.05	N	N	15	100	10	5.00	--	50	2.00	200	N	N
84PK155	N	N	N	N	N	N	70	30	2.00	--	N	.50	50	50	N
84PK156	N	N	N	N	.10	N	15	20	1.50	--	N	.15	100	20	N
84PK157	N	N	<.05	N	N	20	100	7	3.00	--	N	1.00	200	N	<20
84PK160	N	N	<.05	N	N	30	70	<5	7.00	--	150	2.00	100	N	<20
84PK185	N	N	.05	N	N	N	N	N	1.50	--	70	.20	100	N	N
84PK186	N	N	.07	N	N	N	N	N	1.00	--	70	.30	100	N	N
84PK187	N	N	.20	N	N	N	N	N	1.00	--	100	.10	100	N	<20
84PK188	N	N	1.50	N	N	7	20	10	2.00	--	100	.70	300	N	N
84PK189B	N	N	1.50	N	N	30	150	10	5.00	--	100	2.00	300	N	<20
84PK189C	N	N	.50	N	N	N	N	N	.10	--	N	.10	70	N	N
84PK190B	N	N	.05	N	N	N	<10	<5	.70	--	100	.10	100	N	<20
84PK191B	N	N	.15	N	N	20	50	10	3.00	--	70	1.00	300	N	N
84PK193	N	N	1.00	N	N	15	30	N	5.00	--	150	1.50	200	N	20
84PK194B	N	N	1.00	N	N	7	10	N	2.00	--	100	1.00	200	N	N
84PK194E	N	N	.20	N	N	N	N	N	.10	--	N	.10	100	N	N
84PK197A	N	N	1.00	N	N	<5	10	7	1.50	--	100	.50	200	N	N
84PK198	N	N	<.05	N	N	20	100	30	5.00	--	70	1.50	200	N	<20
84PK200	N	N	.10	N	N	20	100	20	3.00	--	70	1.50	300	N	<20
84PK201A	N	N	2.00	N	N	N	N	N	.07	--	N	.05	70	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84PK096	70	20	N	N	15	N	<100	.300	70	N	30	<200	40	70
84PK098	50	50	N	N	20	N	700	.300	70	N	50	N	15	100
84PK103	70	50	N	N	15	N	500	.300	100	N	30	N	5	100
84PK105	N	15	N	N	20	N	100	.700	200	N	50	N	70	150
84PK106	70	30	N	N	20	N	300	.500	100	N	70	N	30	150
84PK108	70	50	N	N	20	N	700	.700	100	N	30	<200	60	70
84PK111	70	N	N	N	30	N	500	.700	150	N	20	N	20	100
84PK113	50	<10	N	N	15	N	<100	.500	150	N	15	N	65	100
84PK115	10	<10	N	N	10	N	N	.500	70	N	20	N	45	300
84PK116	50	15	N	N	20	N	1,000	>1.000	200	N	50	<200	50	100
84PK122	100	20	N	N	20	N	100	.500	150	N	70	N	25	200
84PK125	N	N	N	N	N	N	N	.005	N	N	N	N	N	<10
84PK127	N	N	N	N	N	N	N	.005	N	N	N	N	N	<10
84PK129	70	15	N	N	15	N	500	.500	150	N	50	N	45	150
84PK131	70	<10	N	N	20	N	700	>1.000	200	N	30	<200	30	70
84PK136	70	30	N	N	15	N	N	.200	50	N	20	N	25	150
84PK139	50	10	N	4	15	N	100	.200	70	N	20	N	65	100
84PK141	100	<10	N	N	20	N	N	.500	150	N	30	N	45	200
84PK144	30	20	N	<2	5	N	100	.100	30	N	<10	N	20	30
84PK145	50	10	N	2	20	N	N	.500	100	N	30	N	55	200
84PK146	100	N	N	N	20	N	150	.300	100	N	15	N	10	20
84PK148	100	50	N	<2	20	N	300	.700	150	N	30	N	35	200
84PK149	N	N	N	<2	20	N	<100	.500	30	N	100	<200	80	100
84PK150	50	<10	N	N	20	N	<100	>1.000	200	N	50	N	110	100
84PK153	70	15	N	<2	20	N	100	.500	100	N	50	N	25	150
84PK154	50	N	N	N	10	N	N	.300	100	N	20	N	25	100
84PK155	30	20	N	2	10	N	N	.300	300	N	50	<200	110	100
84PK156	20	15	N	12	5	N	N	.100	200	N	10	200	210	50
84PK157	50	<10	N	N	15	N	N	.500	100	N	30	N	110	150
84PK160	50	<10	N	N	15	N	N	.500	100	N	50	N	40	100
84PK185	5	15	N	N	5	10	N	.100	<10	N	50	N	25	500
84PK186	7	20	N	N	<5	10	N	.100	10	N	20	N	15	100
84PK187	<5	20	N	N	5	10	<100	.100	10	N	50	N	30	150
84PK188	7	30	N	N	10	<10	150	.300	50	N	50	N	30	200
84PK189B	50	30	N	N	20	N	500	.700	150	N	50	N	70	150
84PK189C	N	50	N	N	N	N	500	.070	<10	N	10	N	5	70
84PK190B	<5	30	N	N	N	15	N	.070	N	N	100	N	90	200
84PK191B	30	20	N	N	15	N	<100	.300	70	N	30	N	75	100
84PK193	10	20	N	N	20	N	300	1.000	100	N	70	N	110	200
84PK194B	N	50	N	N	10	N	1,500	.300	50	N	20	N	80	150
84PK194E	5	70	N	N	N	N	N	.020	N	N	20	N	5	100
84PK197A	<5	20	N	N	5	N	1,000	.300	50	N	15	N	65	200
84PK198	50	30	N	12	20	N	N	.700	100	N	20	N	110	150
84PK200	50	10	N	N	15	N	N	.700	100	N	50	N	40	150
84PK201A	<5	N	N	N	N	N	N	.005	<10	N	N	N	N	N

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84PK201B	64 54 16	164 5 8	S D-5	5	N	N	N	--	N	N	N
84PK203	64 49 40	164 30 53	S D-6	7	N	N	N	--	30	700	1.5
84PK205	64 50 0	164 30 55	S D-6	30	N	N	10	--	20	50	<1.0
84PK207A	64 51 44	164 51 5	S D-6	9	N	N	N	--	30	300	N
84PK207B	64 51 44	164 51 5	S D-6	8	N	N	N	--	100	300	1.0
84PK208	64 51 53	164 51 7	S D-6	11	N	N	N	--	<10	20	N
84PK209	64 51 59	164 51 5	S D-6	11	N	N	N	--	20	300	1.5
84PK210	65 47 20	164 14 5	B D-5	30	<.5	N	N	--	15	20	N
84PK211	65 47 18	164 14 43	B D-5	10	N	N	N	--	N	<20	N
84PK212	65 45 21	164 17 55	B D-5	6	N	N	N	--	<10	100	N
84PK213	65 46 2	164 22 36	B D-5	5	N	N	N	--	N	150	N
84PK214	65 45 41	164 25 9	B D-5	4	N	N	20	--	100	500	2.0
84PK215	65 43 50	164 30 12	B C-6	5	N	N	N	--	N	N	N
84PK216	65 43 40	164 31 53	B C-6	4	<.5	N	30	--	70	700	<1.0
84PK217	65 42 30	164 33 30	B C-6	5	N	N	10	--	N	20	N
84PK218	65 42 34	164 34 34	B C-6	4	N	N	N	--	150	1,000	1.0
84PK219A	65 41 40	164 38 22	B C-6	4	N	N	N	--	50	1,500	1.5
84PK219B	65 41 40	164 38 22	B C-6	29	N	N	N	--	10	50	N
84PK220	65 40 57	164 45 26	B C-6	6	N	N	10	--	70	100	1.0
84PK222	65 38 29	164 21 52	B C-5	6	N	N	N	--	N	<20	N
84PK224	65 38 5	164 21 40	B C-5	30	N	N	N	--	<10	20	N
84PK226	65 37 43	164 21 11	B C-5	4	N	N	N	--	<10	20	N
84PK229	65 41 58	164 13 13	B C-5	30	N	N	10	--	30	50	<1.0
84PK230	65 43 22	164 17 9	B C-5	9	N	N	N	--	10	50	N
84PK231	65 43 13	164 17 6	B C-5	4	N	N	40	--	30	1,500	<1.0
84PK233	65 43 0	164 16 55	B C-5	5	N	N	<10	--	15	50	N
84PK234	65 36 12	164 37 49	B C-6	10	N	N	N	--	N	50	N
84PK235	65 36 17	164 38 14	B C-6	30	N	N	<10	--	100	150	1.5
84PK236	65 36 15	164 38 39	B C-6	6	N	N	<10	--	10	<20	<1.0
84PK238	65 38 34	164 12 24	B C-5	10	N	N	N	--	N	N	N
84PK239A	65 37 15	164 18 10	B C-5	4	<.5	N	20	--	20	1,500	1.0
84PK239B	65 37 15	164 18 10	B C-5	4	<.5	N	N	--	50	1,500	N
84PK240	65 41 26	164 34 52	B C-6	10	N	N	N	--	N	N	N
84PK241	65 41 31	164 35 15	B C-6	21	N	N	20	--	N	500	N
84PK242	65 41 3	164 33 47	B C-6	10	N	N	N	--	N	<20	N
84PK243	65 38 47	164 40 10	B C-6	22	7.0	N	N	--	N	N	N
84PK244	65 35 36	164 43 36	B C-6	7	N	N	N	--	70	300	1.5
84PK245	65 38 22	164 55 43	B C-6	7	N	N	20	--	70	300	1.0
84PK246	65 32 58	164 59 13	B C-6	11	N	N	N	--	<10	500	<1.0
84PK247	65 31 45	164 55 58	B C-6	4	N	N	N	--	50	300	<1.0
84PK248	64 54 2	164 50 45	S D-6	22	N	N	N	--	N	<20	N
84PK249A	64 54 7	164 50 48	S D-6	18	N	N	N	--	100	300	1.0
84PK249B	64 54 7	164 50 48	S D-6	7	N	N	N	--	20	100	N
84PK250	64 54 7	164 50 48	S D-6	11	N	N	N	--	N	100	N
84PK251	64 54 12	164 51 1	S D-6	6	N	N	N	--	<10	<20	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84PK201B	N	N	>20.00	N	N	N	N	N	.05	--	N	.20	150	N	N
84PK203	N	N	.20	N	N	15	70	10	3.00	--	70	1.50	200	N	N
84PK205	N	N	.10	N	N	5	10	<5	.50	--	N	.30	100	N	N
84PK207A	N	N	20.00	N	N	10	70	7	.70	--	N	2.00	300	N	N
84PK207B	N	N	.07	N	N	30	150	15	7.00	--	N	2.00	200	N	20
84PK208	N	N	2.00	N	N	50	100	30	5.00	--	N	2.00	200	N	<20
84PK209	N	N	.20	N	N	15	100	20	5.00	--	N	2.00	700	N	<20
84PK210	N	N	>20.00	N	N	N	20	5	.70	--	N	2.00	100	N	N
84PK211	N	N	20.00	N	N	N	10	5	.30	--	N	1.50	50	N	N
84PK212	N	N	>20.00	N	N	N	N	7	.20	--	N	1.50	50	N	N
84PK213	N	N	3.00	N	.40	N	N	N	.05	--	N	.50	10	N	N
84PK214	N	N	N	N	.10	5	100	30	3.00	--	50	1.00	200	N	N
84PK215	N	N	>20.00	N	N	N	N	<5	<.05	--	N	1.50	200	N	N
84PK216	N	N	1.50	N	.30	20	150	50	3.00	--	30	1.50	300	N	N
84PK217	N	N	>20.00	N	N	N	N	<5	.05	--	N	1.50	70	N	N
84PK218	N	N	1.00	N	.90	30	100	50	5.00	--	70	1.50	1,500	5	N
84PK219A	N	N	N	N	N	N	15	N	.10	--	N	.10	10	N	N
84PK219B	N	N	.05	N	N	N	10	<5	.50	--	N	.10	50	N	N
84PK220	N	N	3.00	N	N	10	50	10	2.00	--	50	1.50	500	N	N
84PK222	N	N	>20.00	N	N	N	N	5	.20	--	N	2.00	70	N	N
84PK224	N	N	>20.00	N	N	N	<10	5	.10	--	N	1.00	20	N	N
84PK226	N	N	>20.00	N	N	N	<10	5	.15	--	N	.50	20	N	N
84PK229	N	N	20.00	N	N	5	30	5	1.50	--	N	1.00	500	N	N
84PK230	N	N	>20.00	N	N	N	15	5	.50	--	N	1.50	70	N	N
84PK231	N	N	.50	N	.30	N	10	7	.50	--	N	1.00	10	30	N
84PK233	N	N	>20.00	N	.10	N	<10	<5	.20	--	N	1.00	50	N	N
84PK234	N	N	>20.00	N	.30	N	<10	<5	.05	--	N	.50	100	N	N
84PK235	N	N	1.50	N	N	10	50	10	3.00	--	20	1.00	700	N	N
84PK236	N	N	>20.00	N	N	<5	20	<5	1.00	--	N	.50	500	N	N
84PK238	N	N	>20.00	N	N	N	20	<5	.50	--	N	2.00	100	N	N
84PK239A	N	N	<.05	N	.40	<5	15	20	1.00	--	N	.20	20	20	N
84PK239B	N	<1	2.00	N	.90	N	20	10	.70	--	N	.20	100	20	N
84PK240	N	N	>20.00	N	<.10	N	N	5	.10	--	N	.30	150	N	N
84PK241	N	<1	>20.00	N	1.80	<5	<10	5	1.50	--	N	1.00	>5,000	N	N
84PK242	N	N	>20.00	N	.50	N	N	<5	.05	--	N	.30	100	N	N
84PK243	N	N	>20.00	N	<.10	N	N	N	<.05	--	N	.30	50	N	N
84PK244	N	N	.05	N	<.10	10	100	5	2.00	--	N	1.00	150	10	N
84PK245	N	N	.05	N	<.10	20	150	10	5.00	--	50	1.50	300	N	N
84PK246	N	N	3.00	N	N	50	200	30	7.00	--	N	3.00	700	N	N
84PK247	N	N	.70	N	N	30	150	15	5.00	--	50	2.00	700	N	N
84PK248	N	N	>20.00	N	<.10	N	<10	N	.10	--	N	7.00	30	N	N
84PK249A	N	<1	<.05	N	N	20	100	5	5.00	--	100	2.00	200	N	<20
84PK249B	N	N	10.00	N	.20	10	70	7	1.50	--	N	2.00	500	N	N
84PK250	N	N	2.00	N	<.10	70	<10	200	7.00	--	N	2.00	1,000	N	N
84PK251	N	N	>20.00	N	N	N	10	<5	.20	--	N	1.50	30	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84PK201B	N	N	N	N	N	N	500	.010	N	N	10	N	N	N
84PK203	20	<10	N	N	10	N	<100	.300	70	N	30	N	50	100
84PK205	7	N	N	N	<5	N	N	.100	20	N	10	N	10	100
84PK207A	30	15	N	N	7	N	700	.100	70	N	20	N	10	50
84PK207B	70	<10	N	N	20	N	N	1.000	100	N	20	N	75	100
84PK208	50	<10	N	N	20	N	200	.700	100	N	30	N	55	70
84PK209	70	10	N	N	20	N	100	.500	100	N	20	N	100	100
84PK210	10	<10	N	N	<5	N	1,000	.050	50	N	<10	N	5	20
84PK211	N	N	N	N	N	N	1,000	.020	<10	N	<10	N	5	10
84PK212	5	<10	N	N	N	N	500	.010	N	N	N	N	10	<10
84PK213	N	N	N	N	N	N	150	.002	<10	N	N	N	40	<10
84PK214	30	20	N	N	20	N	<100	.200	150	N	30	<200	55	150
84PK215	N	N	N	N	N	N	200	.005	N	N	<10	N	N	N
84PK216	70	15	N	N	15	N	<100	.200	100	N	20	N	40	100
84PK217	N	N	N	N	N	N	300	.010	10	N	<10	N	10	N
84PK218	70	20	N	N	20	N	N	.300	150	N	70	<200	75	150
84PK219A	N	15	N	N	5	N	N	.150	150	N	N	N	N	50
84PK219B	N	N	N	N	N	N	N	.050	50	N	<10	N	15	20
84PK220	50	30	N	N	10	N	300	.200	70	N	30	N	40	200
84PK222	N	<10	N	N	N	N	500	.020	15	N	N	N	<5	<10
84PK224	<5	<10	N	N	N	N	700	.020	10	N	N	N	<5	30
84PK226	<5	<10	N	N	N	N	300	.020	15	N	N	N	<5	<10
84PK229	20	20	N	N	7	N	500	.100	50	N	20	N	15	50
84PK230	5	<10	N	N	N	N	1,000	.050	20	N	N	N	5	10
84PK231	7	N	N	N	<5	N	100	.070	150	N	<10	N	10	70
84PK233	5	<10	N	<2	N	N	700	.015	15	N	10	N	15	<10
84PK234	<5	<10	N	N	N	N	500	.010	50	N	10	N	20	<10
84PK235	50	10	N	N	15	N	100	.500	70	N	30	N	35	70
84PK236	5	10	N	N	5	N	1,000	.100	20	N	15	N	10	30
84PK238	5	<10	N	N	N	N	500	.020	15	N	N	N	5	10
84PK239A	30	<10	N	4	5	N	<100	.100	150	N	10	N	45	50
84PK239B	50	N	N	2	<5	N	100	.100	150	N	<10	N	40	50
84PK240	<5	N	N	2	N	N	150	.010	15	N	N	N	10	<10
84PK241	5	N	N	4	N	N	300	.007	10	N	10	N	60	10
84PK242	N	N	N	N	N	N	200	.010	10	N	N	N	25	N
84PK243	N	N	N	N	N	N	200	.005	N	N	N	N	<5	N
84PK244	30	10	N	N	20	N	<100	.300	150	N	20	N	20	100
84PK245	70	10	N	N	20	N	N	.500	100	N	50	N	35	200
84PK246	50	<10	N	N	20	N	500	.700	150	N	30	N	40	70
84PK247	70	10	N	N	20	N	<100	.500	150	N	50	N	35	150
84PK248	N	N	N	N	N	N	500	<.002	N	N	N	N	<5	N
84PK249A	20	70	N	N	15	<10	N	.500	150	N	30	N	40	200
84PK249B	20	20	N	N	7	N	500	.200	70	N	20	N	10	50
84PK250	50	<10	N	2	20	N	100	.700	200	N	20	N	65	50
84PK251	N	N	N	N	N	N	500	.050	20	N	N	N	5	15

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84PK252	64 54 14	164 51 14	S D-6	6	N	N	N	--	10	100	N
84PK254	64 54 28	164 51 36	S D-6	6	N	N	<10	--	30	500	N
84PK255	64 54 22	164 54 25	S D-6	8	N	N	N	--	20	300	N
84PK257	64 48 2	164 51 14	S D-6	11	N	N	<10	--	<10	N	N
84PK258A	64 45 44	164 39 48	S D-6	11	N	N	<10	--	<10	N	N
84PK258B	64 45 44	164 39 48	S D-6	30	N	N	30	--	15	500	<1.0
84PK258C	64 45 44	164 39 48	S D-6	29	N	N	N	--	20	100	N
84PK259A	64 51 19	164 20 14	S D-5	2	N	N	N	--	50	150	<1.0
84PK259B	64 51 19	164 20 14	S D-5	29	N	N	N	--	10	<20	N
84PK260	64 51 18	164 19 45	S D-5	2	N	N	N	--	N	N	N
84PK261	64 51 28	164 24 19	S D-5	10	N	N	10	--	100	300	1.0
84PK262	64 48 49	164 23 47	S D-5	2	N	N	10	--	100	200	1.0
84PK263	65 1 34	163 55 46	B A-4	30	N	N	10	--	100	300	<1.0
84PK264	65 2 18	163 57 47	B A-4	30	N	N	10	--	70	300	1.0
84PK265	65 1 58	164 17 40	B A-5	4	N	N	N	--	70	150	<1.0
84PK266	64 56 42	164 15 20	S D-5	30	N	N	N	--	N	N	N
84PK267	64 55 40	164 14 49	S D-5	30	N	N	N	--	N	N	N
84TI001A	64 36 35	162 16 5	S C-1	10	N	N	N	--	50	50	<1.0
84TI001B	64 36 35	162 16 5	S C-1	21	N	N	N	--	30	70	N
84TI001C	64 36 35	162 16 5	S C-1	10	N	N	N	--	20	20	N
84TI001E	64 36 35	162 16 5	S C-1	10	N	N	N	--	20	70	N
84TI001G	64 36 35	162 16 5	S C-1	10	N	N	N	--	<10	<20	N
84TI002C	64 35 26	162 26 23	S C-1	21	N	N	N	--	50	300	<1.0
84TI003E	64 38 27	162 13 3	S C-1	21	N	N	N	--	70	70	N
84TI003F	64 38 27	162 13 3	S C-1	10	N	N	N	--	10	50	N
84TI004A	64 38 14	162 13 26	S C-1	10	N	N	N	--	<10	200	N
84TI007A	64 33 58	162 25 54	S C-1	10	N	N	N	--	30	100	N
84TI008A	64 34 56	162 22 27	S C-1	10	N	N	N	--	N	N	N
84TI008D	64 34 56	162 22 27	S C-1	10	N	N	N	--	20	300	N
84TI009B	64 34 51	162 23 1	S C-1	10	N	N	N	--	<10	<20	N
84TI009C	64 34 51	162 23 1	S C-1	10	N	N	N	--	N	<20	N
84TI010A	64 36 2	162 19 24	S C-1	21	N	N	10	--	200	300	1.0
84TI012F	64 49 48	162 32 41	S D-2	1	N	N	N	--	2,000	100	<1.0
84TI013A	64 34 7	162 25 8	S C-1	10	N	N	N	--	15	50	N
84TI013C	64 34 7	162 25 8	S C-1	25	<.5	N	N	--	>2,000	<20	N
84TI014A	64 33 21	162 27 26	S C-1	30	N	N	N	--	100	200	<1.0
84TI016A	64 33 45	162 26 54	S C-1	10	N	N	N	--	<10	500	N
84TI018B	64 31 47	162 32 34	S C-2	10	<.5	N	N	--	20	700	<1.0
84TI019D	64 36 58	162 26 51	S C-1	10	N	N	N	--	N	N	N
84TI019F	64 36 58	162 26 51	S C-1	10	N	N	20	--	50	500	1.0
84TI020B	64 35 59	162 24 0	S C-1	10	N	N	N	--	30	20	N
84TI021A	64 35 34	162 22 30	S C-1	10	N	N	N	--	N	N	N
84TI022A	64 36 14	162 18 54	S C-1	10	N	N	N	--	20	20	<1.0
84TI022B	64 36 14	162 18 54	S C-1	10	N	N	N	--	<10	50	N
84TI024A	64 43 22	162 15 18	S C-1	10	N	N	N	--	N	N	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84PK252	N	N	20.00	N	.10	N	20	5	.50	--	N	1.50	100	N	N
84PK254	N	N	>20.00	N	.20	5	20	7	.70	--	N	1.50	150	N	N
84PK255	N	N	20.00	N	<.10	N	20	5	.50	--	N	1.50	100	N	N
84PK257	N	N	5.00	N	N	70	200	200	10.00	--	N	5.00	1,000	N	N
84PK258A	N	N	1.50	N	<.10	50	70	50	5.00	--	N	2.00	500	N	N
84PK258B	N	N	.10	N	N	30	50	10	3.00	--	N	1.00	200	<5	N
84PK258C	N	N	2.00	N	.10	10	20	7	2.00	--	N	.70	500	<5	N
84PK259A	N	N	3.00	N	N	15	150	20	3.00	--	N	2.00	300	N	N
84PK259B	N	N	2.00	N	N	N	<10	<5	.50	--	N	.10	100	N	N
84PK260	N	N	>20.00	N	N	N	N	N	.05	--	N	.30	150	N	N
84PK261	N	N	<.05	N	N	15	100	20	3.00	--	30	1.00	300	N	N
84PK262	N	N	.70	N	N	20	150	15	3.00	--	50	1.50	300	N	<20
84PK263	N	N	<.05	N	N	20	200	30	5.00	--	N	2.00	500	N	N
84PK264	N	N	<.05	N	N	15	150	20	2.00	--	30	1.50	200	N	N
84PK265	N	N	.10	N	N	15	70	N	2.00	--	50	2.00	150	N	N
84PK266	N	N	20.00	N	N	N	N	N	N	--	N	.30	20	N	N
84PK267	N	N	20.00	N	N	N	N	<5	<.05	--	N	1.00	20	N	N
84TI001A	N	N	5.00	N	N	N	20	10	1.00	--	N	7.00	100	N	N
84TI001B	N	N	5.00	N	N	7	20	30	2.00	--	N	5.00	700	N	N
84TI001C	N	N	7.00	N	N	N	15	50	1.00	--	N	3.00	150	N	N
84TI001E	N	N	2.00	N	N	100	100	100	5.00	--	N	2.00	500	N	N
84TI001G	N	N	1.50	N	N	50	50	70	5.00	--	N	2.00	200	N	N
84TI002C	N	N	.10	N	N	20	100	70	5.00	--	N	2.00	500	N	N
84TI003E	N	N	2.00	N	.10	50	20	100	5.00	--	N	2.00	700	N	20
84TI003F	N	N	2.00	N	N	70	20	100	5.00	--	N	2.00	500	N	<20
84TI004A	N	N	1.50	N	N	70	20	100	7.00	--	N	3.00	1,000	N	<20
84TI007A	N	N	5.00	N	N	15	100	<5	2.00	--	N	3.00	150	N	N
84TI008A	N	N	5.00	N	N	N	N	N	.70	--	N	10.00	100	N	N
84TI008D	N	N	1.50	N	N	50	200	150	5.00	--	N	5.00	500	N	N
84TI009B	N	N	1.00	N	N	70	150	200	7.00	--	N	5.00	500	N	N
84TI009C	N	N	10.00	N	.40	10	N	30	3.00	--	N	10.00	5,000	N	N
84TI010A	N	N	.50	N	.10	30	70	100	5.00	--	N	1.50	150	N	N
84TI012F	N	N	.20	N	N	30	50	15	7.00	--	N	10.00	100	N	N
84TI013A	N	N	2.00	N	N	50	50	200	7.00	--	N	5.00	1,000	N	N
84TI013C	N	N	10.00	N	.20	7	15	500	.70	--	N	3.00	300	N	N
84TI014A	N	N	.50	N	N	30	150	100	5.00	--	N	3.00	500	N	N
84TI016A	N	N	5.00	N	N	70	200	100	7.00	--	N	5.00	1,000	N	N
84TI018B	N	N	20.00	N	N	15	70	70	2.00	--	50	5.00	500	N	N
84TI019D	N	N	>20.00	N	N	N	N	N	.05	--	N	1.00	20	N	N
84TI019F	N	N	<.05	N	N	N	15	20	1.00	--	N	1.00	50	20	N
84TI020B	N	N	>20.00	N	1.10	5	15	15	.70	--	N	1.00	100	N	N
84TI021A	N	N	>20.00	N	N	N	N	<5	.15	--	N	1.00	150	N	N
84TI022A	N	N	20.00	N	N	5	30	7	1.00	--	N	1.50	200	N	N
84TI022B	N	N	2.00	N	N	50	150	100	5.00	--	N	2.00	1,000	N	N
84TI024A	N	N	15.00	N	N	N	N	N	.70	--	N	5.00	500	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84PK252	7	<10	N	N	N	N	500	.050	10	N	<10	N	15	10
84PK254	20	<10	N	4	<5	N	700	.050	70	N	<10	N	35	20
84PK255	7	<10	N	N	N	N	700	.050	20	N	<10	N	15	10
84PK257	70	N	N	N	30	N	200	.700	200	N	30	N	15	50
84PK258A	50	<10	N	N	10	N	200	.700	150	N	20	N	60	50
84PK258B	50	<10	N	N	7	N	<100	.150	50	N	15	N	30	100
84PK258C	30	N	N	N	10	N	300	.300	200	N	100	N	10	50
84PK259A	50	15	N	N	15	N	300	.500	100	N	20	N	40	150
84PK259B	5	N	N	N	N	N	N	.005	10	N	<10	N	<5	N
84PK260	<5	N	N	N	N	N	200	.005	<10	N	N	N	<5	N
84PK261	50	30	N	N	15	N	N	.300	100	N	50	N	40	150
84PK262	70	20	N	2	15	N	N	.500	100	N	70	N	60	150
84PK263	50	10	N	N	15	N	<100	.300	100	N	20	N	65	70
84PK264	50	20	N	N	15	N	N	.300	100	N	30	N	50	150
84PK265	30	N	N	N	10	N	N	.300	70	N	30	N	15	100
84PK266	N	<10	N	N	N	N	200	.005	N	N	N	N	5	N
84PK267	N	<10	N	N	N	N	200	.005	N	N	N	N	5	<10
84TI001A	7	10	N	N	N	N	N	.100	10	N	10	N	10	30
84TI001B	10	10	N	N	<5	N	N	.070	50	N	10	N	30	30
84TI001C	7	50	N	N	N	N	200	.070	20	N	10	N	25	20
84TI001E	70	<10	N	N	50	N	N	.700	300	N	30	N	35	100
84TI001G	50	N	N	N	20	N	300	.300	200	N	15	N	60	100
84TI002C	100	15	N	N	15	N	N	.300	150	N	20	N	45	100
84TI003E	50	15	N	N	20	N	100	.500	150	N	20	N	10	200
84TI003F	20	N	N	N	30	N	200	.700	200	N	20	N	85	100
84TI004A	20	N	N	N	30	N	200	.700	200	N	20	N	80	200
84TI007A	50	<10	N	N	10	N	500	.200	70	N	15	N	15	150
84TI008A	N	N	N	N	N	N	N	<.002	N	N	N	N	<5	N
84TI008D	100	N	N	N	30	N	<100	.300	200	N	15	N	20	50
84TI009B	70	N	N	N	50	N	N	.500	300	N	50	<200	55	100
84TI009C	7	N	N	N	N	N	200	.002	N	N	<10	N	25	N
84TI010A	50	10	N	N	15	N	100	.200	100	N	10	N	45	100
84TI012F	20	20	N	6	10	50	N	.100	70	N	10	<200	55	300
84TI013A	50	N	N	N	30	N	150	.700	300	N	20	N	20	70
84TI013C	7	10	N	N	10	N	300	.070	20	N	10	N	10	30
84TI014A	100	20	N	N	15	N	<100	.300	100	N	15	N	50	100
84TI016A	70	<10	N	N	30	N	500	.500	200	N	50	<200	45	70
84TI018B	20	70	N	N	10	10	500	.100	50	N	50	N	20	50
84TI019D	<5	<10	N	N	N	N	1,000	.010	N	N	N	N	<5	10
84TI019F	50	<10	N	<2	7	N	N	.070	200	N	10	N	55	50
84TI020B	20	10	N	N	<5	N	500	.050	50	N	10	N	25	20
84TI021A	N	N	N	N	N	N	700	.005	10	N	N	N	5	N
84TI022A	20	<10	N	N	7	N	1,500	.100	50	N	15	N	10	50
84TI022B	70	<10	N	N	30	N	150	.300	200	N	30	N	30	30
84TI024A	15	<10	N	N	N	N	100	.007	N	N	N	N	<5	N

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84TI025A	64 53 33	163 8 56	S D-3	9	N	N	N	--	20	30	N
84TI026A	64 53 30	163 9 22	S D-3	27	N	N	N	--	<10	N	N
84TI027A	64 53 31	163 11 9	S D-3	9	N	N	N	--	20	30	N
84TI029	64 53 51	163 11 53	S D-3	9	N	N	N	--	15	20	N
84TI030	64 50 51	163 18 41	S D-3	9	N	N	N	--	20	30	N
84TI031	64 51 20	163 18 55	S D-3	9	N	N	N	--	15	20	N
84TI032	64 51 47	163 23 55	S D-3	9	N	N	N	--	10	<20	N
84TI033	64 54 21	163 28 57	S D-3	9	N	N	N	--	15	<20	N
84TI034	64 54 7	163 28 54	S D-3	27	N	N	N	--	<10	N	N
84TI035	64 53 50	163 28 43	S D-3	9	N	N	N	--	N	N	N
84TI037	64 53 41	163 28 34	S D-3	9	N	N	N	--	15	20	N
84TI038A	64 57 54	162 23 59	S D-1	1	N	N	N	--	50	300	1.0
84TI038C	64 57 54	162 23 59	S D-1	1	N	N	N	--	10	700	2.0
84TI039A	64 58 5	162 24 44	S D-1	1	N	N	N	--	20	150	1.0
84TI039B	64 58 5	162 24 44	S D-1	1	N	N	N	--	50	200	1.0
84TI042A	64 58 22	162 25 57	S D-1	1	N	N	N	--	N	N	N
84TI042B	64 58 22	162 25 57	S D-1	25	N	N	N	--	<10	<20	N
84TI043B	64 58 15	162 26 32	S D-1	1	N	N	N	--	70	300	1.5
84TI044	64 59 2	162 26 17	S D-1	1	N	N	N	--	100	300	1.5
84TI045	64 58 50	162 27 15	S D-1	1	N	N	N	--	30	70	1.0
84TI045W	64 58 50	162 27 15	S D-1	14	N	N	N	--	15	200	1.5
84TI045X	64 58 50	162 27 15	S D-1	1	N	N	N	--	N	N	N
84TI045Z	64 58 50	162 27 15	S D-1	1	N	N	N	--	<10	N	N
84TI046B	64 26 38	163 13 56	S B-3	2	N	N	N	N	100	500	1.5
84TI046C	64 26 38	163 13 56	S B-3	29	N	N	70	--	<10	20	N
84TI047A	64 24 16	163 9 51	S B-3	2	N	N	80	--	70	300	1.5
84TI047B	64 24 16	163 9 51	S B-3	2	N	N	N	N	<10	N	N
84TI048	64 29 20	163 11 42	S B-3	10	N	N	N	--	N	N	N
84TI049A	64 29 40	163 12 13	S B-3	2	.5	N	10	--	70	300	2.0
84TI049B	64 29 40	163 12 13	S B-3	2	<.5	N	<10	N	50	300	7.0
84TI050	64 28 14	163 14 57	S B-3	2	N	N	N	--	N	N	N
84TI050B	64 28 14	163 14 57	S B-3	21	N	N	N	--	70	200	1.5
84TI051	64 29 19	163 17 20	S B-3	2	N	N	N	--	100	500	3.0
84TI052	64 34 30	163 52 29	S C-4	2	N	N	50	--	50	200	1.0
84TI053A	64 33 36	163 56 52	S C-4	2	N	N	N	--	N	N	N
84TI054A	64 37 55	162 25 25	S C-1	2	N	N	N	--	150	700	1.0
84TI055	64 37 42	162 25 40	S C-1	11	N	N	N	--	<10	150	N
84TI055H	64 37 42	162 25 40	S C-1	26	N	N	N	--	<10	N	N
84TI056	64 38 23	162 23 6	S C-1	10	N	N	N	--	10	<20	N
84TI058	64 38 12	162 20 50	S C-1	10	N	N	N	--	N	N	N
84TI059	64 38 39	162 20 17	S C-1	10	N	N	N	--	30	<20	N
84TI060A	64 40 44	162 22 30	S C-1	30	N	N	N	--	<10	200	N
84TI060C	64 40 44	162 22 30	S C-1	30	N	N	N	--	<10	200	N
84TI060E	64 40 44	162 22 30	S C-1	10	N	N	N	--	N	N	N
84TI062	64 44 3	162 14 59	S C-1	10	N	N	N	--	<10	N	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CD	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84TI025A	N	N	20.00	N	<.10	5	50	10	1.00	--	N	1.50	200	N	N
84TI026A	N	N	.50	N	N	N	N	N	<.05	--	N	.05	<10	N	N
84TI027A	N	N	>20.00	N	N	<5	30	5	.70	--	N	1.50	150	N	N
84TI029	N	N	>20.00	N	N	N	30	5	.50	--	N	1.00	150	N	N
84TI030	N	N	20.00	N	N	7	50	7	1.00	--	N	2.00	150	N	N
84TI031	N	N	20.00	N	N	N	20	<5	.50	--	N	1.50	100	N	N
84TI032	N	N	20.00	N	N	5	100	<5	1.00	--	N	1.50	200	N	N
84TI033	N	N	20.00	N	N	N	20	5	.50	--	N	1.50	100	N	N
84TI034	N	N	.70	N	N	N	N	N	.05	--	N	.03	20	N	N
84TI035	N	N	>20.00	N	N	N	<10	5	.10	--	N	.50	70	N	N
84TI037	N	N	>20.00	N	N	N	30	<5	.50	--	N	1.50	150	N	N
84TI038A	N	N	2.00	N	N	10	100	15	2.00	--	50	1.50	1,000	N	N
84TI038C	N	N	2.00	N	N	15	200	15	3.00	--	100	2.00	700	10	<20
84TI039A	N	N	20.00	N	N	10	70	7	2.00	--	30	1.50	700	N	N
84TI039B	N	N	1.00	N	N	20	100	30	5.00	--	50	2.00	500	N	N
84TI042A	N	N	>20.00	N	N	N	N	<5	.05	--	N	.30	100	N	N
84TI042B	N	N	3.00	N	N	50	70	50	5.00	--	N	2.00	1,500	N	N
84TI043B	N	N	3.00	N	N	15	70	5	3.00	--	70	1.50	300	N	N
84TI044	N	N	1.00	N	N	10	70	10	3.00	--	<20	1.50	1,000	N	N
84TI045	N	N	10.00	N	N	10	70	10	2.00	--	30	1.50	300	N	N
84TI045J	N	N	.70	N	N	15	100	20	5.00	--	50	2.00	300	N	N
84TI045X	N	N	20.00	N	N	20	50	N	5.00	--	N	5.00	500	N	N
84TI045Z	N	N	5.00	N	N	7	50	<5	1.00	--	N	5.00	300	N	N
84TI046B	N	N	.70	N	N	20	150	70	5.00	--	100	2.00	500	N	<20
84TI046C	N	N	<.05	N	N	N	<10	30	.20	--	N	.07	50	N	N
84TI047A	N	N	.20	N	N	20	100	15	5.00	--	N	1.50	700	N	<20
84TI047B	N	N	<.05	N	N	N	N	N	.05	--	N	.02	<10	N	N
84TI048	N	N	>20.00	N	N	N	N	7	<.05	--	N	.50	10	N	N
84TI049A	N	N	.50	N	.50	20	100	50	2.00	--	50	1.00	300	N	N
84TI049B	N	N	<.05	N	N	N	N	<5	.30	--	N	.10	30	N	N
84TI050	N	N	>20.00	N	N	N	N	N	.05	--	N	.50	15	N	N
84TI050B	N	N	<.05	N	N	5	100	20	3.00	--	N	.30	150	N	N
84TI051	N	N	<.05	N	N	5	150	20	5.00	--	70	.50	50	N	<20
84TI052	N	N	1.00	N	N	15	70	15	3.00	--	N	1.00	300	N	N
84TI053A	<10	N	10.00	N	N	N	10	<5	.50	--	N	>10.00	200	N	N
84TI054A	N	N	.10	N	N	20	70	30	3.00	--	30	2.00	300	N	N
84TI055	N	N	3.00	N	N	100	20	100	10.00	--	N	3.00	700	N	N
84TI055H	N	N	N	N	N	N	N	N	<.05	--	N	<.02	<10	N	N
84TI056	N	N	20.00	N	N	N	10	<5	.15	--	N	1.50	70	N	N
84TI058	N	N	20.00	N	N	N	N	<5	.10	--	N	.20	150	N	N
84TI059	N	N	15.00	N	.10	N	20	<5	1.00	--	N	5.00	300	N	N
84TI060A	N	N	1.50	N	N	70	<10	5	10.00	--	70	3.00	500	N	N
84TI060C	N	N	1.00	N	N	20	N	<5	7.00	--	30	2.00	300	N	N
84TI060E	N	N	2.00	N	N	N	N	<5	<.05	--	N	7.00	10	N	N
84TI062	N	N	5.00	N	N	N	N	<5	.05	--	N	.10	50	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84TI025A	30	15	N	N	5	N	500	.100	30	N	15	N	20	50
84TI026A	N	N	N	N	N	N	N	<.002	<10	N	N	N	5	N
84TI027A	15	<10	N	N	5	N	1,000	.100	50	N	10	N	10	50
84TI029	10	<10	N	N	N	N	500	.070	20	N	10	N	10	70
84TI030	20	<10	N	N	5	N	1,000	.050	30	N	<10	N	5	20
84TI031	10	<10	N	N	N	N	700	.050	20	N	10	N	10	10
84TI032	30	<10	N	N	5	N	700	.100	30	N	10	N	10	70
84TI033	7	<10	N	N	<5	N	500	.050	20	N	<10	N	10	20
84TI034	N	N	N	N	N	N	N	.002	<10	N	N	N	<5	N
84TI035	<5	N	N	N	N	N	500	.020	10	N	N	N	5	10
84TI037	5	<10	N	N	<5	N	1,000	.050	10	N	<10	N	10	20
84TI038A	50	50	N	N	15	N	300	.300	100	N	30	N	45	150
84TI038C	70	30	N	N	15	N	700	.300	70	N	20	N	25	100
84TI039A	50	20	N	N	7	N	1,500	.150	50	N	20	N	85	50
84TI039B	50	20	N	N	20	N	200	.500	100	N	30	N	65	100
84TI042A	15	<10	N	N	N	N	1,000	.015	20	N	N	N	<5	N
84TI042B	50	10	N	N	30	N	150	.500	200	N	50	N	10	50
84TI043B	20	15	N	N	15	N	300	.300	70	N	20	N	80	100
84TI044	30	20	N	N	15	N	<100	.300	100	N	30	N	40	100
84TI045	20	10	N	N	10	N	1,000	.150	70	N	20	N	40	70
84TI045W	50	15	N	N	20	N	100	.300	100	N	30	N	50	150
84TI045X	50	<10	N	N	10	N	1,000	.150	50	N	20	N	10	70
84TI045Z	20	<10	N	N	15	N	500	.200	50	N	20	N	20	70
84TI046B	70	50	N	>1,000	20	10	<100	.500	150	N	70	N	75	200
84TI046C	5	N	N	>1,000	N	N	N	.020	50	N	N	N	10	20
84TI047A	50	30	N	>1,000	15	N	<100	.500	150	N	50	N	55	200
84TI047B	<5	N	N	N	N	N	N	.010	<10	N	N	N	10	<10
84TI048	N	<10	N	N	N	N	200	.005	N	N	N	N	10	N
84TI049A	50	200	N	<2	15	N	<100	.300	100	N	30	N	65	200
84TI049B	5	70	N	N	N	N	200	.020	<10	N	N	N	10	50
84TI050	N	<10	N	N	N	N	200	.005	<10	N	N	N	<5	N
84TI050B	15	20	N	N	15	N	N	.300	100	N	15	N	25	150
84TI051	50	20	N	N	20	N	<100	.500	150	N	20	N	15	200
84TI052	50	<10	N	2	10	N	<100	.200	100	N	30	N	45	100
84TI053A	N	N	N	>1,000	N	N	N	.002	N	N	N	N	5	10
84TI054A	100	<10	N	N	15	N	N	.300	150	N	15	N	40	500
84TI055	150	N	N	N	50	N	200	1.000	300	N	50	N	35	100
84TI055H	N	N	N	N	N	N	N	<.002	<10	N	N	N	N	N
84TI056	N	<10	N	N	N	N	100	.030	<10	N	N	N	<5	10
84TI058	N	N	N	N	N	N	500	.007	<10	N	N	N	N	<10
84TI059	N	<10	N	N	N	N	700	.030	10	N	N	N	<5	30
84TI060A	5	N	N	N	30	N	300	1.000	150	N	70	N	30	300
84TI060C	N	N	N	N	15	N	200	1.000	50	N	50	N	20	300
84TI060E	N	N	N	N	N	N	N	.002	N	N	N	N	N	N
84TI062	N	<10	N	N	N	N	N	.007	<10	N	N	N	N	N

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84TI063	64 43 22	162 10 26	S C-1	10	N	N	N	--	N	N	N
84TI064	64 42 40	162 11 29	S C-1	10	N	N	N	--	<10	<20	N
84TI065	64 43 10	162 11 56	S C-1	10	N	N	N	--	N	N	N
84TI066	64 47 3	162 3 9	S D-1	10	N	N	N	--	30	<20	N
84TI067B	65 2 19	162 27 11	B A-1	3	N	N	N	--	50	200	1.0
84TI068	65 0 49	162 31 12	B A-2	3	N	N	N	--	100	300	1.0
84TI069	65 2 13	162 29 29	B A-1	3	N	N	N	--	50	200	1.0
84TI070A	65 2 57	162 32 1	B A-2	3	<.5	N	N	--	100	700	1.0
84TI070B	65 2 57	162 32 1	B A-2	3	<.5	N	N	--	100	1,500	<1.0
84TI071A	65 2 0	162 32 41	B A-2	1	N	N	N	--	100	200	1.0
84TI071B	65 2 0	162 32 41	B A-2	13	N	N	N	--	10	500	<1.0
84TI071C	65 2 0	162 32 41	B A-2	1	N	N	N	--	N	N	N
84TI072	65 2 17	162 32 50	B A-2	1	N	N	N	--	15	300	<1.0
84TI073A	65 1 24	162 36 50	B A-2	1	N	N	N	--	50	300	2.0
84TI073B	65 1 24	162 36 50	B A-2	1	N	N	N	--	50	500	1.0
84TI074A	64 59 20	162 30 22	S D-2	1	N	N	N	--	N	N	N
84TI074C	64 59 20	162 30 22	S D-2	1	N	N	N	--	100	200	<1.0
84TI075A	65 1 39	162 37 29	B A-2	1	N	N	N	--	70	300	1.0
84TI075B	65 1 39	162 37 29	B A-2	26	N	N	N	--	<10	70	N
84TI076A	64 58 15	162 32 37	S D-2	26	N	N	N	--	70	200	1.0
84TI076B	64 58 15	162 32 37	S D-2	26	N	N	N	--	<10	<20	N
84TI077	64 58 40	162 29 54	S D-1	1	N	N	N	--	<10	<20	N
84TI077A	64 58 40	162 29 54	S D-1	1	N	N	N	--	100	200	1.0
84TI07B	64 58 51	162 28 39	S D-1	1	N	N	N	--	20	100	1.0
84TI078A	64 58 51	162 28 39	S D-1	14	N	N	N	--	10	500	<1.0
84TI079A	64 56 52	162 26 36	S D-1	1	N	N	N	--	30	500	<1.0
84TI080	64 56 39	162 26 50	S D-1	1	N	N	N	--	30	100	1.0
84TI082	64 56 5	162 32 1	S D-2	1	N	N	N	--	70	300	N
84TI083	64 56 19	162 38 19	S D-2	21	<.5	N	N	--	70	700	1.0
84TI084A	65 6 12	163 47 56	B A-4	21	<.5	N	N	--	15	700	1.0
84TI084B	65 6 12	163 47 56	B A-4	1	<.5	N	N	--	10	500	N
84TI084E	65 6 12	163 47 56	B A-4	21	N	N	N	--	N	N	N
84TI085	65 6 12	163 48 29	B A-4	1	N	N	N	--	70	300	2.0
84TI085A	65 6 12	163 48 29	B A-4	1	N	N	N	--	70	300	1.0
84TI087	65 5 49	163 48 21	B A-4	1	N	N	N	--	20	300	<1.0
84TI088D	65 26 42	162 4 4	B B-1	10	N	N	N	--	N	N	N
84TI089E	65 27 50	162 37 52	B B-2	10	N	N	N	--	15	500	N
84TI089G	65 27 50	162 37 52	B B-2	10	N	N	N	--	<10	20	<1.0
84TI090	65 28 19	162 41 34	B B-2	10	N	N	N	--	15	1,000	N
84TI091	65 28 27	162 39 27	B B-2	30	N	N	N	--	10	150	N
84TI092	65 27 34	162 39 0	B B-2	30	N	N	N	--	<10	500	<1.0
84TI093	65 27 17	162 37 27	B B-2	30	N	N	N	--	<10	<20	<1.0
84TI094	65 26 8	162 30 54	B B-2	10	N	N	N	--	30	N	<1.0
84TI095	65 6 2	162 37 39	B A-2	3	N	N	N	--	500	500	1.0
84TI096A	65 5 41	162 39 17	B A-2	11	N	N	<10	--	<10	150	<1.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84TI063	N	N	10.00	N	N	N	N	<5	.05	--	N	7.00	30	N	N
84TI064	N	N	20.00	N	<.10	N	10	5	.10	--	N	5.00	50	N	N
84TI065	N	N	7.00	N	N	N	N	<5	N	--	N	7.00	10	N	N
84TI066	N	N	20.00	N	<.10	N	20	5	.70	--	N	7.00	70	N	N
84TI067B	N	N	.50	N	N	20	70	20	5.00	--	30	2.00	500	N	N
84TI068	N	N	.30	N	N	15	100	30	3.00	--	N	1.50	500	N	N
84TI069	N	N	.70	N	N	20	100	30	5.00	--	50	2.00	300	N	N
84TI070A	N	N	.20	N	N	15	150	20	3.00	--	20	3.00	200	N	N
84TI070B	N	N	.05	N	.10	N	50	10	1.00	--	N	.20	20	20	N
84TI071A	N	N	1.00	N	N	50	200	50	5.00	--	50	2.00	500	N	N
84TI071B	N	N	1.50	N	N	30	150	70	3.00	--	20	3.00	300	N	N
84TI071C	N	N	20.00	N	N	N	N	N	<.05	--	N	1.00	<10	N	N
84TI072	N	N	2.00	N	N	20	150	20	3.00	--	30	1.50	300	N	N
84TI073A	N	N	.50	N	N	30	100	100	3.00	--	N	2.00	700	N	N
84TI073B	N	N	1.00	N	N	30	150	5	5.00	--	50	2.00	700	N	N
84TI074A	N	N	10.00	N	N	N	<10	N	.10	--	N	7.00	70	N	N
84TI074C	N	N	.30	N	N	15	70	30	3.00	--	30	1.50	500	N	N
84TI075A	N	N	1.50	N	<.10	30	100	30	5.00	--	50	2.00	500	N	N
84TI075B	N	N	.07	N	N	N	10	<5	.20	--	N	.10	15	N	N
84TI076A	N	N	.20	N	N	20	100	5	3.00	--	30	2.00	200	N	N
84TI076B	N	N	<.05	N	N	N	<10	N	<.05	--	N	.03	10	N	N
84TI077	N	N	<.05	N	N	N	N	N	<.05	--	N	<.02	<10	N	N
84TI077A	N	N	.50	N	N	20	100	50	3.00	--	50	2.00	200	N	N
84TI078	N	N	5.00	N	.10	20	100	20	3.00	--	<20	1.50	700	N	N
84TI078A	N	N	2.00	N	N	50	70	100	5.00	--	100	3.00	500	N	N
84TI079A	N	N	1.00	N	N	20	150	100	5.00	--	N	2.00	1,000	N	N
84TI080	N	N	1.50	N	N	15	100	20	3.00	--	N	1.50	500	N	N
84TI082	N	N	.50	N	N	30	150	70	5.00	--	50	2.00	300	N	N
84TI083	N	N	2.00	N	N	15	150	100	5.00	--	N	2.00	300	5	N
84TI084A	N	N	2.00	N	.60	15	150	100	5.00	--	30	2.00	300	10	<20
84TI084B	N	N	1.50	N	N	70	100	200	7.00	--	N	2.00	500	N	N
84TI084E	N	N	20.00	N	N	N	15	10	.20	--	N	1.50	100	N	N
84TI085	N	N	3.00	N	N	15	50	10	1.50	--	<20	.70	100	N	N
84TI085A	N	N	.50	N	<.10	30	100	50	3.00	--	70	1.00	500	N	N
84TI087	N	N	1.50	N	N	30	150	20	3.00	--	30	2.00	500	N	N
84TI0880	N	N	5.00	N	N	N	N	<5	<.05	--	N	10.00	50	N	N
84TI089E	N	N	2.00	N	N	50	100	150	5.00	--	20	3.00	700	N	N
84TI089G	N	N	.70	N	N	5	N	N	1.00	--	N	.50	200	N	N
84TI090	N	N	2.00	N	N	70	200	150	5.00	--	N	3.00	500	N	N
84TI091	N	N	1.50	N	N	50	50	200	5.00	--	N	3.00	1,000	N	N
84TI092	N	N	2.00	N	.10	50	50	200	5.00	--	N	2.00	1,000	N	N
84TI093	N	N	.05	N	N	N	N	N	1.00	--	N	.03	100	N	N
84TI094	10	9	5.00	N	N	10	70	N	7.00	--	20	3.00	2,000	N	N
84TI095	N	N	1.00	N	N	50	200	N	3.00	--	70	2.00	500	N	N
84TI096A	N	N	3.00	N	.40	150	100	200	10.00	--	N	3.00	1,000	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84TI063	N	N	N	N	N	N	N	.005	N	N	N	N	5	N
84TI064	N	N	N	N	N	N	150	.010	<10	N	N	N	5	<10
84TI065	N	N	N	N	N	N	N	<.002	N	N	N	N	N	N
84TI066	5	<10	N	N	N	N	150	.050	<10	N	N	N	<5	15
84TI067B	50	<10	N	N	15	N	<100	.300	100	N	30	N	75	200
84TI068	50	10	N	N	15	N	N	.500	100	N	20	N	70	200
84TI069	50	<10	N	N	15	N	100	.500	100	N	30	N	90	200
84TI070A	30	10	N	N	15	10	N	.300	70	N	20	N	95	100
84TI070B	20	<10	N	4	5	N	N	.200	300	N	10	N	170	100
84TI071A	100	15	N	N	20	N	200	.500	100	N	50	N	80	300
84TI071B	100	15	N	N	15	N	200	.200	100	N	20	N	40	100
84TI071C	70	<10	N	N	N	N	150	.002	N	N	N	N	N	N
84TI072	N	10	N	N	15	N	500	.300	100	N	30	N	50	200
84TI073A	70	10	N	N	15	N	100	.300	100	N	20	<200	35	<200
84TI073B	100	20	N	N	20	N	300	.300	100	N	50	N	95	200
84TI074A	N	N	N	N	N	N	100	.002	N	N	N	N	5	N
84TI074C	50	10	N	N	15	N	<100	.300	100	N	30	N	85	200
84TI075A	70	10	N	N	15	N	150	.500	150	N	20	N	80	150
84TI075B	5	N	N	N	N	N	N	.050	15	N	N	N	5	10
84TI076A	70	<10	N	N	15	N	<100	.300	100	N	20	N	40	100
84TI076B	N	N	N	N	N	N	N	<.002	N	N	N	N	N	<10
84TI077	N	N	N	N	N	N	N	<.002	<10	N	N	N	N	N
84TI077A	50	<10	N	N	15	N	100	.500	100	N	20	N	55	200
84TI078	50	30	N	N	15	N	300	.300	100	N	30	N	30	100
84TI078A	70	10	N	N	20	N	1,000	.500	100	N	20	N	35	100
84TI079A	70	30	N	N	15	N	<100	.300	100	N	20	N	55	200
84TI080	50	20	N	N	15	N	200	.200	100	N	30	N	40	100
84TI082	100	30	N	N	20	N	N	.500	100	N	30	N	80	200
84TI083	70	15	N	N	20	N	300	.300	200	N	20	N	60	300
84TI084A	50	<10	N	N	15	N	<100	.500	150	N	20	N	75	300
84TI084B	70	N	N	N	30	N	N	.700	300	N	50	N	15	100
84TI084E	N	N	N	N	N	N	100	.050	20	N	<10	N	5	10
84TI085	20	20	N	N	10	N	200	.200	70	N	20	N	25	150
84TI085A	100	10	N	N	15	N	150	.500	100	N	50	N	60	300
84TI087	100	10	N	N	15	N	200	.200	100	N	20	N	55	150
84TI0880	N	N	N	2	N	N	N	N	N	N	N	N	5	N
84TI089E	50	N	N	N	30	N	1,000	.200	200	N	15	N	40	50
84TI0896	N	N	N	N	10	N	100	.200	50	N	20	N	15	150
84TI090	100	N	N	N	30	N	N	.500	200	N	20	<200	40	70
84TI091	30	N	N	N	20	N	300	.500	300	N	20	<200	55	30
84TI092	50	N	N	N	30	N	200	.700	300	N	50	<200	80	100
84TI093	N	N	N	N	7	N	<100	.100	<10	N	10	N	15	50
84TI094	50	<10	N	N	10	N	1,000	.200	100	N	20	<200	10	150
84TI095	100	10	N	N	20	N	100	.300	100	N	50	N	70	200
84TI096A	100	<10	N	N	30	N	500	1.000	200	N	30	<200	30	100

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84TI097A	65 5 16	162 41 0	B A-2	1	N	N	N	--	150	500	1.5
84TI098F	65 3 19	162 36 54	B A-2	1	N	N	N	--	100	500	1.0
84TI098J	65 3 19	162 36 54	B A-2	21	.5	N	N	--	10	500	1.0
84TI100	65 3 45	162 34 28	B A-2	21	<.5	N	N	--	100	700	<1.0
84TI101	65 3 49	162 34 9	B A-2	21	N	N	N	--	50	500	1.0
84TI102A	65 5 12	162 34 21	B A-2	3	N	N	N	--	20	500	1.0
84TI102B	65 5 12	162 34 21	B A-2	26	N	N	N	--	<10	<20	N
84TI103B	65 5 25	162 34 41	B A-2	26	N	N	N	--	<10	<20	N
84TI104A	65 5 34	162 35 10	B A-2	3	N	N	<10	--	30	700	N
84TI104B	65 5 34	162 35 10	B A-2	3	.7	N	<10	--	20	2,000	<1.0
84TI108	64 54 49	162 3 35	S D-1	10	N	N	N	--	<10	1,000	N
84TI109	64 52 59	162 6 12	S D-1	10	N	N	<10	--	<10	200	N
84TI110	64 52 22	162 8 52	S D-1	10	N	N	N	--	N	N	N
84TI111A	64 50 49	162 7 16	S D-1	10	N	N	N	--	<10	100	N
84TI111B	64 50 49	162 7 16	S D-1	10	<.5	N	N	--	<10	200	<1.0
84TI113A	64 50 22	162 8 11	S D-1	10	N	N	N	--	<10	500	N
84TI114	64 49 29	162 7 12	S D-1	10	N	N	N	--	30	N	N
84TI117B	65 2 58	162 7 24	B A-1	24	<.5	N	80	--	20	30	1.0
84TI118	65 2 44	162 5 43	B A-1	30	N	N	N	--	<10	100	N
84TI120A	65 4 27	162 11 17	B A-1	3	N	N	20	--	50	200	N
84TI123	65 2 7	162 11 57	B A-1	9	N	N	10	--	30	500	<1.0
84TI124A	65 2 41	162 8 6	B A-1	9	N	N	<10	--	70	150	1.0
84TI125	65 3 36	162 6 5	B A-1	9	N	N	N	--	30	100	<1.0
84TI126	65 3 35	162 7 1	B A-1	10	N	N	N	--	10	N	N
84TI127	65 4 33	162 4 52	B A-1	3	1.0	N	<10	--	50	1,500	<1.0
84TI128	65 4 54	162 3 20	B A-1	30	N	N	<10	--	<10	50	N
84TI129A	65 5 50	162 4 1	B A-1	29	N	N	<10	--	<10	50	N
84TI129B	65 5 50	162 4 1	B A-1	10	N	N	<10	--	15	500	N
84TI130	65 6 51	162 4 9	B A-1	10	N	N	<10	--	<10	300	<1.0
84TI131	65 7 5	162 6 27	B A-1	9	N	N	<10	--	20	20	N
84TI132A	65 8 37	162 10 46	B A-1	9	N	N	20	--	70	70	<1.0
84TI132B	65 8 37	162 10 46	B A-1	24	N	N	20	--	50	150	<1.0
84TI133	65 10 37	162 13 25	B A-1	10	N	N	<10	--	N	N	N
84TI134	65 8 22	162 13 8	B A-1	3	N	N	30	--	200	3,000	1.0
84TI135A	64 48 29	162 33 33	S D-2	1	N	N	N	--	<10	50	<1.0
84TI135C	64 48 29	162 33 33	S D-2	1	N	N	N	--	10	1,000	N
84TI136	64 48 20	162 33 43	S D-2	1	N	N	N	--	30	200	<1.0
84TI138A	64 48 1	162 34 18	S D-2	14	N	N	<10	--	15	500	1.0
84TI140A	64 30 40	162 33 51	S C-2	10	N	N	N	--	20	200	1.5
84TI140K	64 30 40	162 33 51	S C-2	10	N	N	N	--	<10	70	N
84TI141A	64 22 2	162 48 14	S B-2	1	N	N	N	--	<10	500	1.0
84TI141B	64 22 2	162 48 14	S B-2	21	N	N	N	--	50	300	1.0
84TI145	65 27 25	164 59 46	B B-6	11	N	N	N	--	15	150	1.0
84TI146	65 32 35	164 52 56	B C-6	8	N	N	N	--	50	200	1.0
84TI146B	65 32 35	164 52 56	B C-6	11	N	N	N	--	50	200	1.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CD	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84TI097A	N	N	.30	N	N	30	150	N	3.00	--	50	2.00	300	N	N
84TI098F	N	N	.50	N	.10	20	150	70	3.00	--	50	1.50	200	N	N
84TI098J	N	N	2.00	N	.20	30	100	150	5.00	--	70	1.50	500	<5	N
84TI100	N	N	.70	N	.20	20	150	100	3.00	--	50	2.00	200	10	N
84TI101	N	N	1.00	N	N	10	100	30	2.00	--	N	1.50	200	N	N
84TI102A	N	N	1.50	N	<.10	30	150	30	5.00	--	50	2.00	300	N	N
84TI102B	N	N	.70	N	N	N	10	<5	.50	--	N	.20	100	N	N
84TI103B	N	N	2.00	N	N	N	N	N	<.05	--	N	.02	70	N	N
84TI104A	N	N	2.00	N	.30	30	200	N	3.00	--	70	3.00	150	N	N
84TI104B	N	N	.20	N	.70	<5	70	30	1.00	--	N	.30	20	20	N
84TI108	N	N	1.50	N	N	30	150	70	5.00	--	N	3.00	700	N	N
84TI109	N	N	5.00	N	N	50	100	100	7.00	--	N	3.00	1,000	N	N
84TI110	N	N	>20.00	N	<.10	N	<10	<5	.07	--	N	.50	15	N	N
84TI111A	N	N	3.00	N	N	50	100	50	5.00	--	N	5.00	1,000	N	N
84TI111B	N	N	1.50	N	<.10	30	10	200	7.00	--	N	2.00	1,000	N	N
84TI113A	N	N	3.00	N	N	50	150	50	5.00	--	N	5.00	700	N	N
84TI114	N	N	<.05	N	N	20	1,000	N	1.00	--	N	5.00	200	N	N
84TI117B	N	<2	.10	N	1.80	20	50	150	2.00	--	<20	.20	150	30	N
84TI118	N	N	2.00	N	N	50	200	70	5.00	--	N	3.00	700	N	N
84TI120A	N	N	15.00	N	N	10	150	15	2.00	--	N	3.00	300	N	N
84TI123	N	N	20.00	N	<.10	15	100	15	2.00	--	N	2.00	300	N	N
84TI124A	N	N	20.00	N	N	10	70	10	2.00	--	N	1.50	300	N	N
84TI125	N	<2	20.00	N	N	10	50	7	1.50	--	N	1.50	200	N	N
84TI126	N	N	20.00	N	N	N	10	<5	.20	--	N	7.00	100	N	N
84TI127	N	N	.10	N	N	N	20	5	.50	--	N	.20	20	N	N
84TI128	N	N	3.00	N	N	50	100	70	7.00	--	N	2.00	1,000	N	N
84TI129A	N	N	.50	N	N	<5	10	15	.70	--	N	.30	100	N	N
84TI129B	N	N	3.00	N	N	50	200	70	7.00	--	N	2.00	1,000	N	N
84TI130	N	N	3.00	N	N	50	100	100	7.00	--	N	2.00	1,000	N	N
84TI131	N	N	>20.00	N	N	N	20	<5	.50	--	N	1.50	150	N	N
84TI132A	N	N	20.00	N	N	7	30	10	1.50	--	N	2.00	200	N	N
84TI132B	N	N	>20.00	N	<.10	10	70	10	1.50	--	N	.70	200	N	N
84TI133	N	N	>20.00	N	N	N	N	N	.20	--	N	.50	70	N	N
84TI134	N	N	.05	N	.50	N	30	15	.70	--	N	.70	50	10	N
84TI135A	N	N	.50	N	N	N	N	N	.70	--	N	.20	50	N	N
84TI135C	N	N	2.00	N	N	100	300	50	5.00	--	50	7.00	700	N	N
84TI136	N	N	>20.00	N	N	N	30	<5	.50	--	N	1.50	100	N	N
84TI138A	N	N	3.00	N	<.10	20	100	20	3.00	--	20	2.00	700	N	N
84TI140A	N	N	.30	N	N	30	150	50	5.00	--	30	3.00	1,000	N	N
84TI140K	N	N	2.00	N	N	70	150	150	5.00	--	N	3.00	1,000	N	N
84TI141A	N	N	.20	N	N	N	N	N	1.50	--	70	.20	100	N	N
84TI141B	N	N	1.00	N	N	50	150	50	7.00	--	N	1.50	500	N	N
84TI145	N	N	2.00	N	<.10	20	150	100	5.00	--	50	1.50	1,000	N	N
84TI146	N	N	3.00	N	<.10	20	150	<5	5.00	--	50	2.00	500	N	N
84TI146B	N	N	3.00	N	<.10	20	150	<5	5.00	--	50	2.00	500	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84TI097A	100	<10	N	N	20	N	N	.500	100	N	20	<200	80	200
84TI098F	70	<10	N	N	15	N	<100	.300	150	N	30	N	70	300
84TI098J	70	30	N	N	20	N	200	.500	150	N	50	N	70	500
84TI100	70	10	N	N	20	N	100	.500	200	N	50	<200	90	200
84TI101	30	<10	N	N	15	N	150	.300	100	N	20	N	55	200
84TI102A	70	10	N	N	15	N	100	.500	100	N	30	N	35	300
84TI102B	<5	N	N	N	N	N	N	.070	10	N	N	N	N	10
84TI103B	N	N	N	N	N	N	N	N	N	N	N	N	N	N
84TI104A	70	10	N	N	20	N	200	.500	100	N	50	N	20	500
84TI104B	70	<10	N	N	10	N	150	.200	200	N	10	N	45	100
84TI108	70	N	N	N	30	N	200	.500	200	N	30	<200	45	50
84TI109	70	<10	N	N	30	N	200	1.000	200	N	50	N	60	50
84TI110	N	<10	N	N	N	N	200	.020	10	N	N	N	5	15
84TI111A	100	<10	N	N	20	N	100	.200	200	N	20	N	20	30
84TI111B	20	<10	N	N	20	N	<100	1.000	200	N	70	N	110	100
84TI113A	100	<10	N	N	20	N	300	.300	150	N	20	<200	25	30
84TI114	500	N	N	N	<5	N	N	<.002	20	N	N	N	20	10
84TI117B	100	<10	N	4	10	N	200	.150	300	N	50	300	220	70
84TI118	70	<10	N	N	30	N	200	.500	150	N	30	N	30	50
84TI120A	50	10	N	N	5	N	700	.200	50	N	10	N	15	150
84TI123	50	20	N	N	10	N	1,000	.150	70	N	20	N	20	50
84TI124A	30	15	N	N	10	N	700	.150	50	N	20	N	15	50
84TI125	50	15	N	N	10	N	700	.100	70	N	15	N	10	50
84TI126	N	<10	N	N	N	N	300	.050	15	N	<10	N	20	10
84TI127	20	N	N	N	5	N	N	.100	100	N	<10	N	35	50
84TI128	50	<10	N	N	30	N	150	.700	200	N	50	N	50	100
84TI129A	10	N	N	N	5	N	<100	.100	70	N	<10	N	5	15
84TI129B	70	N	N	N	30	N	100	.500	200	N	20	N	30	50
84TI130	50	<10	N	N	30	N	200	.700	300	N	50	N	60	100
84TI131	10	<10	N	N	<5	N	500	.070	15	N	10	N	15	20
84TI132A	20	<10	N	N	<5	N	1,000	.100	30	N	10	N	15	30
84TI132B	20	10	N	N	7	N	500	.100	50	N	15	N	40	50
84TI133	N	<10	N	N	N	N	200	.020	15	N	10	N	5	10
84TI134	30	N	N	4	5	N	N	.150	200	N	<10	N	65	50
84TI135A	N	N	N	N	N	20	N	.030	N	N	10	N	5	50
84TI135C	300	<10	N	N	30	N	700	.500	150	N	15	N	50	100
84TI136	<5	10	N	4	5	N	700	.070	20	N	15	N	5	30
84TI138A	15	20	N	N	15	N	500	.200	150	N	30	N	55	100
84TI140A	100	10	N	N	30	N	<100	.500	200	N	30	<200	65	200
84TI140K	50	N	N	N	30	N	500	.700	200	N	20	<200	20	100
84TI141A	N	50	N	N	N	N	100	.100	N	N	N	N	25	100
84TI141B	50	10	N	N	20	N	100	.700	300	N	20	N	80	500
84TI145	50	15	N	N	15	N	300	.500	100	N	50	N	25	150
84TI146	70	<10	N	N	20	N	200	.500	100	N	50	N	25	150
84TI146B	70	N	N	N	20	N	200	.500	100	N	50	N	25	150

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84TI147	65 36 26	164 53 3	B C-6	3	N	N	N	--	20	100	<1.0
84TI148	65 44 42	164 55 3	B C-6	4	.7	N	<10	--	20	1,500	1.0
84TI162	65 49 34	163 4 38	B D-3	30	N	N	10	--	15	1,500	1.0
84TI162D	65 49 34	163 4 38	B D-3	30	N	N	10	--	15	1,500	1.0
84TI166A	64 38 30	164 17 57	S C-5	4	<.5	200	140	--	50	1,500	1.0
84TI166B	64 38 30	164 17 57	S C-5	26	<.5	500	750	--	50	1,500	1.0
84TI167A	64 38 11	164 18 3	S C-5	4	.5	N	<10	--	10	700	N
84TI168	64 37 40	164 19 18	S C-5	5	N	N	N	--	N	N	N
84TI168B	64 37 40	164 19 18	S C-5	21	N	N	N	--	N	N	N
84TI168C	64 37 40	164 19 18	S C-5	21	N	N	N	--	N	N	N
84TI169	64 37 55	164 20 40	S C-5	5	N	N	N	--	N	N	N
84TI170A	64 39 41	164 17 2	S C-5	4	N	N	N	--	20	1,500	1.0
84TI170B	64 39 41	164 17 2	S C-5	27	<.5	N	30	--	10	700	<1.0
84TI170C	64 39 41	164 17 2	S C-5	27	N	N	<10	--	50	500	<1.0
84TI172	64 42 7	164 19 39	S C-5	5	N	N	N	--	N	N	N
84TI172B	64 42 7	164 19 39	S C-5	4	<.5	N	10	--	30	300	1.5
84TI173	64 42 48	164 20 17	S C-5	3	N	N	40	--	50	300	2.0
84TI174	64 42 59	164 21 58	S C-5	8	N	N	<10	--	10	100	<1.0
84TI177	64 45 11	164 20 48	S D-5	3	N	N	<10	--	70	500	1.5
84TI178A	64 46 26	164 16 30	S D-5	5	N	N	N	--	N	<20	N
84TI178B	64 46 26	164 16 30	S D-5	21	N	N	N	--	<10	<20	<1.0
84TI180	64 39 55	164 6 41	S C-5	8	N	N	N	--	<10	N	<1.0
84TI181	64 39 28	164 6 17	S C-5	8	N	N	30	--	<10	<20	<1.0
84TI182	64 38 36	164 7 31	S C-5	8	N	N	N	--	10	100	<1.0
84TI184	64 35 0	164 5 30	S C-5	2	N	N	10	--	50	200	1.0
84TI185	64 35 9	164 3 44	S C-5	2	N	N	N	--	70	500	1.0
84TI186	64 34 32	164 2 46	S C-5	5	N	N	N	--	N	N	N
84TI187	64 38 23	164 5 30	S C-5	8	N	N	70	--	20	N	N
84TI188	64 42 9	164 3 3	S C-5	8	N	N	10	--	N	N	N
84TI189	64 41 4	164 3 41	S C-5	8	N	N	N	--	50	500	<1.0
84TI190	64 42 9	164 5 3	S C-5	11	N	N	10	--	<10	<20	1.0
84TI191B	64 43 31	164 10 22	S C-5	8	<.5	N	<10	--	N	N	N
84TI193	64 43 33	164 12 29	S C-5	4	N	N	10	--	50	700	<1.0
84TI195	64 44 30	164 14 32	S C-5	28	N	N	<10	--	15	100	<1.0
84TI196A	64 43 49	164 48 18	S C-6	11	N	N	10	--	<10	<20	N
84TI197	64 43 45	164 46 24	S C-6	30	.7	N	50	--	30	500	<1.0
84TI197A	64 43 45	164 46 24	S C-6	21	N	N	20	--	20	150	1.0
84TI199A	64 44 36	164 50 49	S C-6	4	N	N	10	--	<10	500	N
84TI199B	64 44 36	164 50 49	S C-6	26	<.5	N	<10	--	<10	50	N
84TI200A	64 45 15	164 54 5	S D-6	27	N	N	N	--	<10	N	N
84TI200B	64 45 15	164 54 5	S D-6	9	N	N	N	--	<10	30	N
84TI200C	64 45 15	164 54 5	S D-6	9	N	N	N	--	15	200	<1.0
84TI202	64 40 55	164 40 30	S C-6	8	N	N	N	--	30	200	1.0
84TI206A	64 49 25	164 6 41	S D-5	8	N	N	N	--	30	300	<1.0
84TI209	64 48 53	164 5 46	S D-5	8	N	N	N	--	20	200	<1.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84TI147	N	N	>20.00	N	.10	5	50	10	.70	--	N	3.00	150	N	N
84TI148	N	N	<.05	N	N	N	50	5	.20	--	N	.20	20	30	N
84TI162	N	N	.07	N	1.00	N	30	5	.50	--	N	.30	30	15	N
84TI162D	N	N	.07	N	N	N	30	5	.50	--	N	.30	30	15	N
84TI166A	N	N	<.05	N	N	N	20	5	.50	--	N	.20	50	10	N
84TI166B	N	N	<.05	N	.10	N	20	10	.50	--	N	.15	30	5	N
84TI167A	N	N	1.50	<20	15.00	N	15	7	.70	--	N	.50	300	N	N
84TI168	N	N	>20.00	N	N	N	N	N	<.05	--	N	1.00	100	N	N
84TI168B	N	N	>20.00	N	N	N	N	N	.50	--	N	10.00	300	N	N
84TI168C	N	N	>20.00	N	<.10	N	15	<5	2.00	--	N	5.00	500	N	N
84TI169	N	N	>20.00	N	N	N	N	<5	.05	--	N	.30	100	N	N
84TI170A	N	N	<.05	N	N	N	10	<5	.07	--	N	.15	10	10	N
84TI170B	N	N	.05	N	.60	N	<10	20	.50	--	N	.05	50	10	N
84TI170C	N	N	N	N	.10	N	N	<5	.05	--	N	.02	15	N	N
84TI172	N	N	>20.00	N	N	N	N	N	.10	--	N	.50	150	N	N
84TI172B	N	N	2.00	N	.30	20	50	20	2.00	--	N	.70	200	N	N
84TI173	N	N	.30	N	.10	20	70	30	3.00	--	N	.70	200	N	N
84TI174	N	N	2.00	N	N	50	70	30	5.00	--	20	2.00	1,000	N	N
84TI177	N	N	.20	N	<.10	15	100	30	2.00	--	50	.70	300	N	N
84TI178A	N	N	>20.00	N	N	N	N	N	.10	--	N	.70	100	N	N
84TI178B	N	N	<.05	N	N	N	N	<5	.70	--	N	.20	100	N	N
84TI180	N	N	2.00	N	N	50	15	20	5.00	--	N	2.00	500	N	N
84TI181	N	N	2.00	N	.30	70	100	70	7.00	--	N	3.00	1,000	N	N
84TI182	N	N	1.00	N	N	20	100	20	2.00	--	30	1.50	500	N	N
84TI184	N	N	.05	N	N	20	70	20	3.00	--	50	1.50	300	N	<20
84TI185	N	N	.05	N	N	15	150	20	3.00	--	50	1.50	70	N	<20
84TI186	N	N	>20.00	N	N	N	N	N	N	--	N	.70	10	N	N
84TI187	N	N	5.00	N	N	15	200	50	5.00	--	50	1.50	1,500	N	N
84TI188	N	N	2.00	N	N	30	70	30	7.00	--	N	2.00	1,000	N	<20
84TI189	N	N	.05	N	N	30	70	20	5.00	--	30	1.50	700	N	N
84TI190	N	N	2.00	N	N	30	100	30	7.00	--	N	2.00	700	N	<20
84TI191B	N	N	2.00	N	N	30	70	200	5.00	--	N	1.50	1,000	N	N
84TI193	N	N	N	N	N	<5	20	20	1.50	--	N	.50	10	10	N
84TI195	N	N	5.00	N	N	10	50	10	2.00	--	N	1.50	300	N	N
84TI196A	N	N	1.00	N	N	70	N	100	10.00	--	N	1.50	700	N	20
84TI197	N	N	.05	<20	6.00	N	20	20	.50	--	N	.50	20	50	N
84TI197A	N	N	.05	N	N	20	100	20	5.00	--	50	1.00	200	N	N
84TI199A	N	N	<.05	N	N	N	20	5	.20	--	N	.15	10	30	N
84TI199B	N	N	N	N	N	N	N	<5	.20	--	N	.02	<10	7	N
84TI200A	N	N	<.05	N	N	N	N	N	<.05	--	N	.02	10	N	N
84TI200B	N	N	20.00	N	N	N	20	7	.50	--	N	.70	200	N	N
84TI200C	N	N	.10	N	N	30	150	5	5.00	--	30	1.50	200	N	N
84TI202	N	N	.70	N	N	20	150	30	3.00	--	50	2.00	500	N	N
84TI206A	N	N	1.00	N	N	30	200	30	5.00	--	N	2.00	500	N	N
84TI209	N	N	.20	N	N	20	150	50	3.00	--	30	1.50	300	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84TI147	20	10	N	N	5	N	1,000	.050	30	N	10	N	10	50
84TI148	15	10	N	8	5	N	N	.100	300	N	<10	N	N	50
84TI162	5	<10	N	2	7	N	N	.150	300	N	<10	N	20	70
84TI162D	5	N	<100	2	7	N	N	.150	300	N	<10	N	20	70
84TI166A	10	N	N	19	7	N	N	.150	200	N	15	N	35	70
84TI166B	15	N	<100	65	5	N	N	.100	150	N	<10	N	70	50
84TI167A	30	N	N	<2	N	N	100	.030	50	N	10	N	150	30
84TI168	N	N	N	N	N	N	300	.010	N	N	N	N	<5	N
84TI168B	N	<10	N	N	N	N	200	.010	N	N	N	N	<5	N
84TI168C	<5	<10	N	1	5	N	150	.020	30	N	15	N	10	10
84TI169	N	N	N	N	N	N	300	.007	N	N	N	N	<5	<10
84TI170A	5	N	N	8	5	N	N	.070	200	N	<10	N	5	50
84TI170B	30	N	N	14	N	N	N	.030	150	N	<10	N	95	10
84TI170C	20	<10	N	<1	N	N	N	.020	70	N	N	N	15	10
84TI172	N	N	N	N	N	N	500	.020	N	N	N	N	<5	<10
84TI172B	50	10	N	6	10	N	<100	.200	100	N	50	N	55	100
84TI173	50	10	N	12	15	N	N	.300	100	N	30	N	55	100
84TI174	50	<10	N	N	20	N	500	1.000	150	N	30	N	40	100
84TI177	50	15	N	<1	15	N	N	.300	150	N	30	N	80	150
84TI178A	N	N	N	N	N	N	300	.010	10	N	N	N	5	<10
84TI178B	7	N	N	N	N	N	N	.020	20	N	N	N	10	10
84TI180	15	10	N	N	20	N	200	1.000	150	N	20	N	55	100
84TI181	70	20	N	N	30	N	1,000	>1.000	200	N	50	N	55	100
84TI182	70	20	N	N	15	N	150	.200	100	N	30	N	35	150
84TI184	50	20	N	N	20	N	N	.300	100	N	50	N	45	150
84TI185	50	10	N	N	20	N	100	.500	150	N	30	N	35	100
84TI186	N	N	N	N	N	N	300	.003	<10	N	N	N	<5	N
84TI187	70	50	N	N	20	N	300	.500	100	N	30	N	25	150
84TI188	30	<10	N	N	20	N	500	1.000	150	N	50	N	45	100
84TI189	70	15	N	N	20	N	N	.500	100	N	20	N	65	100
84TI190	70	15	N	N	30	N	300	>1.000	200	N	50	N	35	100
84TI191B	70	50	N	N	20	N	1,000	1.000	200	N	30	N	30	100
84TI193	50	<10	N	N	5	N	N	.100	200	N	<10	N	30	20
84TI195	50	N	N	N	7	N	500	.200	100	N	30	N	10	50
84TI196A	50	N	N	N	30	N	100	>1.000	300	N	30	N	60	70
84TI197	50	<10	N	12	5	N	N	.100	1,500	N	10	500	310	30
84TI197A	70	15	N	N	20	N	N	.500	100	N	30	N	35	150
84TI199A	<5	N	N	N	<5	N	N	.100	700	N	N	N	5	20
84TI199B	N	15	N	50	N	N	N	.020	70	N	<10	N	<5	<10
84TI200A	N	N	N	N	N	N	N	<.002	N	N	N	N	N	N
84TI200B	7	10	N	N	<5	N	1,000	.030	10	N	15	N	5	20
84TI200C	70	<10	N	N	20	N	<100	.500	100	N	30	N	30	100
84TI202	70	15	N	N	20	N	150	.300	100	N	30	N	20	100
84TI206A	100	30	N	N	20	N	150	.500	100	N	30	N	45	100
84TI209	50	10	N	N	15	N	N	.200	100	N	20	N	20	100

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84T1210B	64 50 31	164 8 40	S D-5	8	N	N	N	--	10	200	N
84T1211	64 45 22	164 57 48	S D-6	9	N	N	N	--	50	150	N
84T1212	64 45 1	164 57 36	S D-6	9	N	N	<10	--	50	200	1.0
84T1213	64 45 39	164 58 1	S D-6	9	N	N	N	--	30	50	N
84T1214	64 46 3	164 58 14	S D-6	21	<.5	N	20	--	15	300	<1.0
84T1215	64 47 33	164 55 16	S D-6	9	N	N	N	--	50	100	N
84T1216	64 46 25	164 52 57	S D-6	9	N	N	N	--	70	150	N
84T1217	64 49 56	164 49 12	S D-6	9	N	N	N	--	30	50	N
84T1220	64 48 43	164 51 29	S D-6	9	N	N	10	--	<10	20	N
84T1221A	66 4 7	163 16 49	K A-3	10	N	N	N	--	<10	N	N
84T1221B	66 4 7	163 16 49	K A-3	10	N	N	N	--	<10	<20	N
84T1221C	66 4 7	163 16 49	K A-3	10	N	N	N	--	50	150	<1.0
84T1221F	66 4 7	163 16 49	K A-3	10	N	N	N	--	70	<20	<1.0
84T1222	66 3 35	163 10 9	K A-3	10	N	N	10	--	30	100	<1.0
84T1223	66 3 56	163 13 27	K A-3	10	N	N	10	--	50	150	1.0
84T1224A	65 45 58	164 11 20	B D-5	10	N	N	N	--	30	50	N
84T1225A	65 38 45	164 48 43	B C-6	3	N	N	N	--	70	150	1.0
84T1225B	65 38 45	164 48 43	B C-6	3	N	N	N	--	10	30	N
84T1226A	65 38 19	164 47 32	B C-6	3	N	N	N	--	70	150	<1.0
84T1226B	65 38 19	164 47 32	B C-6	28	N	N	20	--	10	30	N
84T1227	65 38 11	164 47 57	B C-6	3	N	N	10	--	50	200	1.0
84T1230	65 37 42	164 47 14	B C-6	3	N	N	N	--	50	300	1.5
84T1232	65 37 15	164 46 26	B C-6	3	N	N	10	--	50	200	1.0
84T1234	65 36 47	164 46 39	B C-6	3	N	N	10	--	50	200	1.0
84T1235B	65 36 12	164 45 49	B C-6	3	N	N	10	--	20	50	1.0
84T1238	65 35 38	164 47 0	B C-6	3	N	N	N	--	N	N	N
84T1240	65 34 15	164 44 15	B C-6	8	N	N	N	--	50	700	1.0
84T1241	65 33 55	164 44 21	B C-6	8	N	N	10	--	10	150	<1.0
84T1241B	65 33 55	164 44 21	B C-6	22	N	N	N	--	<10	N	N
84T1243	65 33 30	164 44 9	B C-6	8	N	N	10	--	70	200	<1.0
84T1244	65 33 13	164 44 8	B C-6	8	N	N	<10	--	10	<20	N
84T1246	65 32 38	164 44 5	B C-6	21	N	N	<10	--	100	150	1.0
84T1247	65 32 42	164 43 27	B C-6	8	N	N	N	--	30	300	1.0
84T1249	65 32 1	164 43 25	B C-6	11	N	N	<10	--	<10	150	<1.0
84T1250	65 27 31	162 9 41	B B-1	12	N	N	N	--	<10	300	<1.0
84T1251	65 29 14	162 12 11	B B-1	12	N	N	N	--	10	1,000	1.0
84T1252	65 29 21	162 14 32	B B-1	3	N	N	N	--	15	1,000	1.5
84T1253	65 30 2	162 11 32	B C-1	12	N	N	N	--	<10	200	1.0
84T1254	65 28 47	162 17 22	B B-1	30	N	N	N	--	30	500	1.5
84T1255	65 27 39	162 20 56	B B-1	10	N	N	N	--	N	<20	N
84T1256	65 42 18	162 35 38	B C-2	14	N	N	N	--	10	1,500	1.0
84T1257A	65 7 54	163 47 1	B A-4	21	N	N	N	--	<10	150	1.5
84T1257C	65 7 54	163 47 1	B A-4	24	<.5	N	N	--	15	100	1.0
84T1257D	65 7 54	163 47 1	B A-4	1	N	N	<10	--	<10	20	<1.0
84T1257F	65 7 54	163 47 1	B A-4	1	N	N	N	--	200	300	1.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CD	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84T1210B	N	N	1.00	N	.10	20	150	30	5.00	--	N	2.00	500	N	N
84T1211	N	N	5.00	N	N	10	100	20	1.50	--	N	1.50	500	N	N
84T1212	N	N	5.00	N	N	15	70	30	3.00	--	N	2.00	1,000	N	N
84T1213	N	N	10.00	N	N	N	50	5	.50	--	N	2.00	200	N	N
84T1214	N	N	.05	N	.10	N	10	10	.50	--	N	.10	20	20	N
84T1215	N	N	7.00	N	N	7	70	7	1.00	--	N	2.00	300	N	N
84T1216	N	N	5.00	N	N	15	100	15	2.00	--	N	2.00	300	N	N
84T1217	N	N	10.00	N	N	<5	50	<5	.70	--	N	2.00	200	N	N
84T1220	N	N	2.00	N	N	50	200	20	5.00	--	N	2.00	700	N	N
84T1221A	N	N	15.00	N	.20	N	<10	5	.70	--	N	.30	2,000	N	N
84T1221B	N	N	5.00	N	N	N	<10	<5	.50	--	N	.20	30	N	N
84T1221C	N	N	3.00	N	.30	15	50	20	3.00	--	N	1.50	300	N	N
84T1221F	N	N	.70	N	N	50	100	5	7.00	--	100	3.00	200	N	N
84T1222	N	N	5.00	N	N	10	70	10	2.00	--	N	2.00	200	N	N
84T1223	N	N	.05	N	.10	15	100	5	3.00	--	30	1.00	300	N	N
84T1224A	N	N	10.00	N	.10	5	50	7	1.50	--	N	2.00	200	N	N
84T1225A	N	N	1.50	N	N	10	100	15	2.00	--	50	1.50	700	N	N
84T1225B	N	N	.20	N	N	N	<10	<5	.70	--	N	.30	50	N	N
84T1226A	N	N	2.00	N	N	15	150	20	3.00	--	50	1.50	700	N	N
84T1226B	N	N	2.00	N	N	10	50	<5	.70	--	N	.70	300	N	N
84T1227	N	N	1.00	N	N	15	70	20	2.00	--	50	1.50	500	N	N
84T1230	N	N	.07	N	N	15	50	5	.20	--	50	.50	300	N	N
84T1232	N	N	.50	N	N	15	50	7	2.00	--	50	.70	500	N	N
84T1234	N	N	.70	N	N	15	70	10	3.00	--	50	1.00	500	N	N
84T1235B	N	N	.70	N	N	15	100	<5	3.00	--	70	1.50	200	N	N
84T1238	N	N	>20.00	N	N	N	N	5	.20	--	N	5.00	100	N	N
84T1240	N	N	3.00	N	N	20	100	7	3.00	--	30	2.00	500	N	N
84T1241	N	N	.70	N	N	30	150	30	5.00	--	N	2.00	500	N	<20
84T1241B	N	N	1.50	N	N	30	70	100	7.00	--	N	2.00	700	N	N
84T1243	N	N	.20	N	N	20	150	20	5.00	--	N	2.00	500	N	N
84T1244	N	N	1.00	N	N	30	30	10	7.00	--	30	2.00	1,000	N	<20
84T1246	N	N	1.00	N	N	15	150	20	3.00	--	70	1.50	200	N	N
84T1247	N	N	.10	N	N	15	150	5	3.00	--	70	1.50	300	N	N
84T1249	N	N	1.50	N	N	30	30	70	5.00	--	N	2.00	700	N	N
84T1250	N	N	.20	N	N	N	N	N	1.00	--	150	.50	100	N	<20
84T1251	N	N	<.05	N	N	N	N	N	.70	--	50	.20	50	N	<20
84T1252	N	N	<.05	N	N	7	<10	7	.70	--	50	.30	100	30	<20
84T1253	N	N	<.05	N	N	N	N	N	1.00	--	N	.20	30	5	N
84T1254	N	N	<.05	N	N	N	30	<5	1.00	--	50	.30	200	N	<20
84T1255	N	N	>20.00	N	N	N	N	N	.05	--	N	.30	70	N	N
84T1256	N	N	1.50	N	N	15	50	5	3.00	--	150	2.00	500	N	N
84T1257A	N	N	.05	N	N	N	N	10	1.00	--	70	.05	50	N	N
84T1257C	N	N	5.00	N	N	30	100	50	7.00	--	N	2.00	500	N	N
84T1257D	N	N	2.00	N	N	50	100	50	7.00	--	N	2.00	1,000	N	N
84T1257F	N	N	.50	N	N	30	200	20	5.00	--	20	2.00	1,500	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TIX	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84TI210B	70	50	N	N	15	N	100	.300	100	N	30	N	55	70
84TI211	20	30	N	N	7	N	300	.100	30	N	20	N	20	50
84TI212	30	20	N	N	15	N	500	.200	70	N	20	N	35	50
84TI213	10	10	N	N	<5	N	500	.050	20	N	10	N	10	30
84TI214	30	<10	N	N	<5	N	N	.050	300	N	<10	N	25	10
84TI215	20	20	N	N	5	N	500	.070	30	N	10	N	15	50
84TI216	50	15	N	N	10	N	300	.200	70	N	15	N	30	50
84TI217	10	20	N	N	<5	N	700	.050	20	N	10	N	10	30
84TI220	70	<10	N	N	30	N	100	.300	150	N	20	N	10	30
84TI221A	N	50	N	N	<5	N	2,000	.020	20	N	20	N	5	<10
84TI221B	5	10	N	N	N	N	500	.020	15	N	<10	N	5	<10
84TI221C	30	15	N	N	10	N	150	.200	100	N	20	N	60	100
84TI221F	70	<10	N	N	20	N	200	.500	150	N	20	<200	35	100
84TI222	30	10	N	N	10	N	200	.300	100	N	20	N	20	150
84TI223	50	10	N	N	15	N	N	.300	70	N	30	N	65	150
84TI224A	20	10	N	N	7	N	500	.070	20	N	10	N	10	50
84TI225A	50	15	N	N	20	N	200	.300	100	N	30	N	35	100
84TI225B	7	N	N	N	N	N	N	.005	<10	N	<10	N	10	<10
84TI226A	50	30	N	N	15	N	150	.500	70	N	50	N	55	100
84TI226B	10	10	N	N	5	N	100	.100	20	N	10	N	15	20
84TI227	50	20	N	N	15	N	100	.200	70	N	30	N	55	70
84TI230	50	10	N	N	15	N	N	.300	100	N	30	N	20	100
84TI232	50	10	N	N	15	N	100	.300	100	N	30	N	50	100
84TI234	70	<10	N	N	15	N	150	.300	200	N	50	N	40	200
84TI235B	50	<10	N	N	15	N	100	.500	100	N	30	N	15	150
84TI238	N	<10	N	N	N	N	500	.002	N	N	N	N	5	<10
84TI240	50	<10	N	N	20	N	200	.200	100	N	20	N	55	70
84TI241	70	<10	N	N	20	N	N	1.000	150	N	30	N	70	100
84TI241B	50	10	N	N	50	N	500	.700	300	N	50	N	50	100
84TI243	70	10	N	N	20	N	<100	.500	150	N	20	N	50	100
84TI244	20	10	N	N	30	N	200	1.000	200	N	50	N	130	100
84TI246	30	10	N	N	20	N	300	.700	100	N	30	N	65	100
84TI247	50	10	N	N	20	N	N	.500	100	N	30	N	50	100
84TI249	50	<10	N	N	20	N	300	.700	150	N	20	N	35	100
84TI250	<5	N	N	N	5	<10	N	.200	10	N	50	N	10	200
84TI251	<5	<10	N	N	N	<10	N	.070	N	N	30	N	10	100
84TI252	7	<10	N	N	7	N	N	.200	20	N	30	N	5	150
84TI253	<5	30	N	N	N	15	N	.070	N	N	15	N	15	100
84TI254	5	50	N	N	7	10	N	.150	50	N	30	N	40	150
84TI255	N	<10	N	N	N	N	300	.005	<10	N	N	N	15	N
84TI256	15	30	N	N	15	N	1,000	.300	100	N	30	N	30	100
84TI257A	10	20	N	N	N	15	N	.070	N	N	30	N	15	150
84TI257C	30	10	N	N	30	N	200	.500	150	N	50	N	35	100
84TI257D	50	<10	N	N	30	N	100	.700	150	N	50	N	15	70
84TI257F	70	30	N	N	20	15	200	.300	100	N	20	N	45	70

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84T1258A	65 6 50	163 51 24	B A-4	13	N	N	N	--	<10	150	1.5
84T1258B	65 6 50	163 51 24	B A-4	21	.7	N	N	--	10	200	<1.0
84T1259A	65 7 11	163 53 28	B A-4	1	N	N	N	--	10	200	<1.0
84T1259B	65 7 11	163 53 28	B A-4	1	N	N	N	--	30	500	1.0
84T1260	65 7 31	163 58 26	B A-4	13	N	N	N	--	10	500	<1.0
84T1261	65 7 52	163 57 6	B A-4	1	N	N	N	--	<10	100	1.5
84T1262	65 10 43	163 59 31	B A-4	1	N	N	N	--	<10	200	1.0
84T1262B	65 10 43	163 59 31	B A-4	1	N	N	N	--	20	500	1.0
84T1263	65 9 51	164 1 28	B A-5	1	N	N	N	--	50	300	1.0
84T1264A	65 9 55	163 46 21	B A-4	26	.7	200	170	--	10	500	1.0
84T1264B	65 9 55	163 46 21	B A-4	1	N	N	N	--	<10	1,500	<1.0
84T1265A	65 9 12	163 55 13	B A-4	1	N	N	N	--	<10	500	<1.0
84T1265B	65 9 12	163 55 13	B A-4	27	N	N	N	--	<10	<20	N
84T1265C	65 9 12	163 55 13	B A-4	21	<.5	N	N	--	<10	500	1.0
84T1266A	65 9 22	163 55 40	B A-4	21	N	N	N	--	10	N	<1.0
84T1267	65 15 20	163 51 33	B B-4	1	<.5	N	10	--	20	700	<1.0
84T1268A	65 15 48	163 50 27	B B-4	1	<.5	N	N	--	20	200	3.0
84T1268B	65 15 48	163 50 27	B B-4	1	<.5	N	<10	--	10	1,000	N
84T1269	65 16 33	163 56 1	B B-4	1	N	N	N	--	70	500	2.0
84T1272	64 54 17	164 31 29	S D-6	10	N	N	N	--	<10	<20	N
84T1273	64 53 46	164 30 55	S D-6	2	N	N	10	--	100	300	2.0
84T1274	64 53 56	164 30 39	S D-6	2	N	N	10	--	70	200	<1.0
84T1275	64 53 8	164 30 18	S D-6	2	N	N	N	--	30	200	1.0
84T1276	64 50 2	164 25 39	S D-5	2	N	N	N	--	50	300	1.0
84T1277	64 50 34	164 28 8	S D-5	2	N	N	N	--	50	300	1.0
84T1278	64 50 55	164 52 53	S D-6	9	N	N	<10	--	30	100	N
84T1280	64 49 41	164 55 3	S D-6	9	N	N	N	--	30	<20	N
84T1282	64 49 12	164 56 1	S D-6	9	N	N	N	--	50	50	N
84T1283	65 49 21	164 15 1	B D-5	10	N	N	N	--	N	50	N
84T1284	65 52 28	164 18 45	B D-5	10	N	N	N	--	20	50	N
84T1285	65 48 6	164 15 6	B D-5	10	N	N	N	--	N	100	N
84T1286	65 45 27	164 14 42	B D-5	10	N	N	N	--	50	100	N
84T1287A	65 45 14	164 16 49	B D-5	4	N	N	<10	--	30	1,000	<1.0
84T1287B	65 45 14	164 16 49	B D-5	26	<.5	N	N	--	10	70	N
84T1288	65 46 14	164 19 27	B D-5	3	N	N	N	--	<10	200	N
84T1289	65 46 23	164 20 16	B D-5	3	N	N	N	--	N	70	N
84T1290A	65 45 31	164 23 58	B D-5	2	N	N	N	--	300	300	1.0
84T1290B	65 45 31	164 23 58	B D-5	29	N	N	N	--	10	20	N
84T1291	65 45 4	164 28 41	B D-5	3	N	N	N	--	20	70	<1.0
84T1292	65 44 56	164 34 22	B C-6	2	N	N	10	--	30	150	1.0
84T1293	65 42 40	164 34 7	B C-6	4	N	N	N	--	50	500	1.0
84T1294	65 41 17	164 40 27	B C-6	2	N	N	N	--	100	500	1.5
84T1295	65 41 10	164 45 1	B C-6	3	N	N	N	--	30	300	1.0
84T1296	65 40 40	164 16 43	B C-5	10	N	N	N	--	10	50	N
84T1297	65 43 17	164 10 30	B C-5	10	N	N	N	--	20	50	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84TI258A	N	N	.05	N	N	N	N	7	.70	--	N	.02	20	N	N
84TI258B	N	N	1.50	N	N	30	50	100	10.00	--	N	2.00	700	N	N
84TI259A	N	N	2.00	N	N	10	50	5	2.00	--	30	1.00	500	N	N
84TI259B	N	N	1.00	N	N	20	150	5	3.00	--	70	1.50	200	N	N
84TI260	N	N	.50	N	N	70	300	30	10.00	--	N	5.00	2,000	N	20
84TI261	N	N	.05	N	N	N	N	<5	.70	--	<20	.05	30	N	<20
84TI262	N	N	.50	N	N	15	50	15	2.00	--	N	1.00	500	N	N
84TI262B	N	N	.70	N	N	15	200	20	3.00	--	70	2.00	500	N	N
84TI263	N	N	.70	N	N	50	150	5	5.00	--	100	2.00	150	N	N
84TI264A	N	N	<.05	N	N	N	<10	20	.70	--	N	.15	10	N	N
84TI264B	N	N	2.00	N	N	15	10	<5	5.00	--	100	1.50	500	N	20
84TI265A	N	N	.20	N	N	7	N	N	3.00	--	50	1.00	700	N	N
84TI265B	N	N	N	N	N	N	<10	N	<.05	--	N	<.02	<10	N	N
84TI265C	N	N	.05	N	N	N	N	5	1.00	--	N	.02	50	N	<20
84TI266A	N	N	<.05	N	N	N	N	N	.10	--	N	<.02	10	N	N
84TI267	N	N	N	N	N	N	20	7	.50	--	N	.05	<10	20	N
84TI268A	N	N	.20	N	N	N	N	<5	.70	--	70	.10	150	N	20
84TI268B	N	N	N	N	N	N	15	20	.50	--	N	.05	<10	30	N
84TI269	N	<1	.50	N	N	20	100	10	5.00	--	30	1.50	200	N	N
84TI272	N	N	N	N	.10	N	N	<5	.10	--	N	<.02	10	N	N
84TI273	N	N	.05	N	.10	20	100	20	3.00	--	100	1.00	300	N	20
84TI274	N	N	.20	N	N	20	150	30	5.00	--	30	1.50	200	N	<20
84TI275	N	N	1.00	N	N	20	150	20	5.00	--	50	2.00	1,000	N	N
84TI276	N	N	1.00	N	N	20	100	30	5.00	--	70	2.00	1,500	N	N
84TI277	N	N	.15	N	N	15	150	5	3.00	--	20	2.00	500	N	N
84TI278	N	N	5.00	N	N	15	70	20	2.00	--	N	2.00	200	N	N
84TI280	N	N	>20.00	N	N	N	20	7	.30	--	N	2.00	150	N	N
84TI282	N	N	7.00	N	N	10	70	10	2.00	--	N	2.00	200	N	N
84TI283	N	N	5.00	N	N	N	N	<5	N	--	N	.70	<10	N	N
84TI284	N	N	20.00	N	N	N	50	7	.50	--	N	2.00	100	N	N
84TI285	N	N	>20.00	N	N	N	N	5	.10	--	N	.30	50	N	N
84TI286	N	N	10.00	N	N	20	150	30	3.00	--	N	2.00	300	N	N
84TI287A	N	N	2.00	N	.50	7	30	15	1.00	--	N	.30	100	20	N
84TI287B	N	N	2.00	N	.30	7	15	10	.70	--	N	.10	100	10	N
84TI288	N	N	>20.00	N	<.10	N	<10	<5	.10	--	N	2.00	20	N	N
84TI289	N	N	>20.00	N	N	N	N	7	.10	--	N	.70	50	N	N
84TI290A	N	N	.70	N	N	15	150	20	3.00	--	50	2.00	200	N	N
84TI290B	N	N	1.00	N	N	<5	20	10	.70	--	N	.50	300	N	N
84TI291	N	N	20.00	N	N	10	50	7	1.00	--	N	1.00	300	N	N
84TI292	N	N	.10	N	N	7	70	7	3.00	--	30	.70	200	N	N
84TI293	N	<1	1.00	N	<.10	15	100	20	3.00	--	70	1.50	200	<5	N
84TI294	N	N	.20	N	.40	20	70	N	3.00	--	30	1.00	500	N	N
84TI295	N	N	3.00	N	N	10	100	15	2.00	--	70	1.50	500	N	N
84TI296	N	N	>20.00	N	N	N	30	7	.50	--	N	1.50	150	N	N
84TI297	N	N	>20.00	N	N	7	50	7	.70	--	N	1.50	100	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-V	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84TI258A	20	30	N	N	N	10	N	.070	<10	N	50	N	50	100
84TI258B	20	10	N	N	30	N	200	.200	200	N	50	N	20	100
84TI259A	15	<10	N	N	10	N	300	.200	50	N	20	N	10	150
84TI259B	30	30	N	N	20	N	300	.500	70	N	30	N	50	100
84TI260	200	70	N	N	30	N	100	.700	100	N	20	N	60	100
84TI261	7	30	N	N	N	<10	N	.100	N	N	100	N	35	100
84TI262	50	10	N	N	10	N	100	.200	100	N	20	N	30	100
84TI262B	30	70	N	N	20	<10	100	.300	100	N	50	N	90	100
84TI263	100	50	N	N	20	N	100	.700	100	N	50	N	50	200
84TI264A	30	N	<100	30	<5	N	N	.070	20	N	<10	N	15	50
84TI264B	<5	50	N	N	20	N	700	.500	100	N	50	N	45	150
84TI265A	<5	20	N	N	20	N	N	.300	10	N	50	N	65	150
84TI265B	<5	N	N	N	N	N	N	<.002	10	N	N	N	N	<10
84TI265C	N	50	N	N	N	10	N	.100	N	N	70	N	5	200
84TI266A	N	N	N	N	N	N	N	.003	N	N	15	N	5	N
84TI267	<5	N	N	N	5	N	N	.100	300	N	<10	N	20	30
84TI268A	50	70	N	N	<5	30	N	.100	N	N	50	<200	50	100
84TI268B	10	N	N	N	5	N	N	.070	200	N	15	N	5	50
84TI269	70	15	N	N	15	N	N	.300	150	N	20	N	75	150
84TI272	<5	N	N	<2	N	N	N	.005	10	N	N	N	30	N
84TI273	70	20	N	N	20	N	N	.500	150	N	50	N	45	200
84TI274	50	20	N	N	15	N	N	.300	100	N	30	N	25	100
84TI275	70	10	N	N	20	N	<100	.500	100	N	50	N	30	150
84TI276	50	20	N	N	20	N	100	.500	100	N	50	N	15	100
84TI277	70	15	N	N	20	N	N	.300	150	N	30	N	10	100
84TI278	50	15	N	N	7	N	300	.150	100	N	10	N	15	50
84TI280	10	<10	N	N	N	N	500	.050	20	N	<10	N	15	30
84TI282	30	10	N	N	5	N	500	.100	70	N	<10	N	15	30
84TI283	N	N	N	N	N	N	N	.002	<10	N	N	N	10	10
84TI284	15	10	N	N	<5	N	700	.050	20	N	<10	N	10	30
84TI285	N	N	N	N	N	N	1,000	.020	<10	N	<10	N	<5	N
84TI286	50	20	N	N	7	N	500	.150	100	N	10	N	20	30
84TI287A	50	N	N	2	7	N	<100	.150	150	N	10	<200	140	50
84TI287B	30	<10	N	N	<5	N	N	.070	50	N	10	N	95	20
84TI288	<5	<10	N	N	N	N	1,000	.010	<10	N	N	N	10	10
84TI289	<5	<10	N	N	N	N	500	.010	15	N	N	N	5	10
84TI290A	70	15	N	N	15	20	N	.300	100	N	20	N	35	100
84TI290B	15	N	N	N	N	N	N	.050	30	N	<10	N	10	15
84TI291	20	10	N	N	10	N	1,000	.150	70	N	20	N	15	50
84TI292	30	<10	N	N	10	N	N	.200	100	N	20	N	50	100
84TI293	50	15	N	N	15	N	<100	.500	100	N	20	N	45	150
84TI294	50	15	N	N	15	N	N	.300	150	N	30	N	55	100
84TI295	30	15	N	N	15	N	200	.200	100	N	30	N	20	150
84TI296	10	<10	N	N	<5	N	500	.030	30	N	<10	N	20	20
84TI297	30	<10	N	N	5	N	1,000	.100	70	N	<10	N	25	30

Sample	Latitude	Longitude	Quad.	gx code	S-A6	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84TI298	65 42 24	164 29 1	B C-5	30	N	N	N	--	30	100	N
84TI299	65 39 38	164 16 56	B C-5	10	N	N	N	--	30	300	N
84TI300B	65 36 2	164 39 33	B C-6	30	N	N	N	--	20	70	N
84TI300C	65 36 2	164 39 33	B C-6	3	N	N	N	--	50	150	N
84TI301	65 34 0	164 6 21	B C-5	10	N	N	N	--	20	70	N
84TI301B	65 34 0	164 6 21	B C-5	27	N	N	N	--	30	20	N
84TI302	65 37 24	164 7 53	B C-5	10	N	N	N	--	30	50	N
84TI303	65 40 52	164 10 37	B C-5	10	N	N	N	--	20	30	N
84TI304	65 35 3	164 17 34	B C-5	10	N	N	N	--	15	200	N
84TI305	65 36 26	164 18 34	B C-5	10	N	N	N	--	20	20	N
84TI306A	65 38 36	164 34 4	B C-6	2	N	N	10	--	50	500	1.0
84TI306C	65 38 36	164 34 4	B C-6	29	N	N	N	--	15	200	<1.0
84TI307	65 37 40	164 43 37	B C-6	4	.5	N	10	--	50	1,500	<1.0
84TI308	65 35 33	164 41 59	B C-6	3	<.5	N	N	--	30	300	<1.0
84TI308B	65 35 33	164 41 59	B C-6	28	2.0	N	N	--	<10	50	N
84TI309	65 33 28	164 37 12	B C-6	10	N	N	N	--	N	<20	N
84TI310	65 37 0	164 58 55	B C-6	11	N	N	N	--	10	300	N
84TI312	65 33 33	164 58 34	B C-6	3	N	N	10	--	50	200	1.0
84TI313	65 29 34	164 56 30	B B-6	11	N	N	10	--	<10	50	N
84TI314	65 30 11	164 55 17	B C-6	3	N	N	N	--	30	150	N
84TI315	65 30 45	164 52 27	B C-6	4	.7	N	20	--	10	1,000	<1.0
84TI316	65 28 32	164 42 58	B B-6	8	N	N	N	--	10	30	N
84TI317A	64 52 13	164 48 18	S D-6	11	N	N	N	--	<10	30	<1.0
84TI317C	64 52 13	164 48 18	S D-6	27	N	N	N	--	<10	20	N
84TI318	64 51 6	164 45 29	S D-6	9	N	N	N	--	20	100	N
84TI319A	64 52 24	164 50 48	S D-6	11	N	N	N	--	10	<20	N
84TI321A	64 50 54	164 47 47	S D-6	8	N	N	N	--	30	100	N
84TI322	64 54 9	164 53 52	S D-6	6	N	N	N	--	15	100	N
84TI323	64 53 56	164 56 7	S D-6	6	N	N	N	--	15	150	N
84TI325	64 47 33	164 51 4	S D-6	9	N	N	N	--	20	20	N
84TI326	64 46 10	164 47 21	S D-6	9	N	N	N	--	30	50	N
84TI327	64 44 59	164 35 14	S C-6	11	N	N	N	--	<10	20	N
84TI328	64 45 37	164 34 27	S D-6	8	N	N	N	--	50	200	1.0
84TI329	64 54 54	164 46 43	S D-6	6	N	N	N	--	20	300	N
84TI330	64 55 13	164 45 40	S D-6	6	N	N	N	--	20	200	N
84TI331B	64 54 2	164 46 6	S D-6	11	N	N	10	--	<10	100	N
84TI331Z	64 54 2	164 46 6	S D-6	28	N	N	N	--	15	200	<1.0
84TI332	64 54 40	164 44 31	S D-6	11	N	N	40	--	15	150	N
84TI333	64 56 43	164 42 37	S D-6	30	N	N	N	--	N	N	<1.0
84TI334	64 56 25	164 42 14	S D-6	6	N	N	N	--	N	N	N
84TI335A	64 55 46	164 39 15	S D-6	5	N	N	N	--	N	20	N
84TI336	64 52 31	164 30 19	S D-6	2	N	N	N	--	70	300	1.0
84TI337	64 45 49	164 25 16	S D-5	2	N	N	20	--	50	300	<1.0
84TI338	64 47 29	164 22 13	S D-5	6	N	N	N	--	20	100	N
84TI339	64 48 26	164 20 20	S D-5	2	N	N	N	--	30	70	<1.0

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84TI298	N	N	20.00	N	<.10	N	30	10	.50	--	N	1.00	200	N	N
84TI299	N	N	>20.00	N	N	N	30	7	.50	--	N	.70	500	N	N
84TI300B	N	N	20.00	N	.40	10	70	<5	7.00	--	N	>10.00	1,500	N	N
84TI300C	N	N	3.00	N	.20	15	100	10	2.00	--	N	1.50	500	N	N
84TI301	N	N	7.00	N	N	10	100	15	1.50	--	N	2.00	200	N	N
84TI301B	N	N	20.00	N	.20	<5	20	7	1.00	--	N	2.00	300	N	N
84TI302	N	N	10.00	N	N	N	50	10	.70	--	N	2.00	200	N	N
84TI303	<10	N	20.00	N	N	<5	30	7	.70	--	N	1.50	70	N	N
84TI304	N	N	20.00	N	.10	N	15	<5	.50	--	N	2.00	100	N	N
84TI305	N	N	20.00	N	N	N	20	5	.50	--	N	1.50	200	N	N
84TI306A	N	2	.20	N	N	20	100	20	5.00	--	70	1.50	1,000	N	N
84TI306C	N	N	.10	N	N	15	50	15	1.50	--	N	.70	500	N	N
84TI307	N	N	<.05	N	N	N	15	N	.10	--	N	.15	10	7	N
84TI308	N	N	5.00	N	1.90	20	100	30	3.00	--	20	1.50	1,000	15	N
84TI308B	<10	N	3.00	N	.90	7	10	20	1.00	--	N	.30	700	N	N
84TI309	N	N	>20.00	N	N	N	N	<5	.05	--	N	.70	50	N	N
84TI310	N	N	.30	N	N	20	150	20	5.00	--	N	2.00	700	N	N
84TI312	N	N	.50	N	N	15	70	10	2.00	--	20	1.00	500	N	N
84TI313	N	N	3.00	N	N	50	150	30	3.00	--	N	3.00	500	N	N
84TI314	N	N	5.00	N	.50	7	70	10	1.00	--	N	1.50	300	N	N
84TI315	N	N	N	N	N	N	10	<5	.30	--	N	.15	10	20	N
84TI316	N	N	3.00	N	N	50	200	50	5.00	--	N	2.00	700	N	N
84TI317A	N	N	2.00	N	N	50	100	30	5.00	--	N	1.50	300	N	N
84TI317C	N	N	.10	N	N	N	<10	N	.05	--	N	.05	10	N	N
84TI318	N	N	5.00	N	N	10	100	10	2.00	--	N	1.50	300	N	N
84TI319A	N	N	15.00	N	N	N	20	5	.50	--	N	1.50	200	N	N
84TI321A	N	N	5.00	N	N	10	70	10	2.00	--	N	1.50	200	N	N
84TI322	N	N	10.00	N	N	N	30	5	.50	--	N	1.00	100	N	N
84TI323	N	N	15.00	N	N	<5	30	7	.70	--	N	.70	500	N	N
84TI325	N	N	10.00	N	N	5	30	5	1.00	--	N	2.00	150	N	N
84TI326	N	N	10.00	N	N	7	50	7	1.00	--	N	2.00	200	N	N
84TI327	N	N	1.00	N	N	50	70	50	5.00	--	N	1.50	700	N	N
84TI328	N	N	.50	N	N	20	150	15	3.00	--	50	2.00	700	N	N
84TI329	N	N	>20.00	N	<.10	N	30	5	.70	--	N	3.00	150	N	N
84TI330	N	N	15.00	N	N	7	50	7	.50	--	N	2.00	100	N	N
84TI331B	N	N	1.50	N	N	70	50	50	7.00	--	N	2.00	1,000	N	N
84TI331Z	N	N	<.05	N	N	N	70	10	.70	--	N	.15	30	N	N
84TI332	N	N	2.00	N	N	50	150	50	10.00	--	N	3.00	1,000	N	<20
84TI333	N	N	15.00	N	N	N	N	N	3.00	--	N	10.00	1,500	N	N
84TI334	N	N	>20.00	N	N	N	N	N	N	--	N	.30	<10	N	N
84TI335A	N	N	>20.00	N	N	N	10	N	.20	--	N	.30	50	N	N
84TI336	N	N	.70	N	N	50	150	20	5.00	--	50	1.50	500	N	N
84TI337	N	N	<.05	N	N	15	100	<5	3.00	--	50	1.50	150	N	N
84TI338	N	N	5.00	N	<.10	20	50	20	3.00	--	N	1.50	1,000	N	N
84TI339	N	N	7.00	N	N	7	100	7	2.00	--	30	.70	700	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84TI298	15	20	N	N	5	N	700	.070	20	N	10	N	20	30
84TI289	15	<10	N	8	<5	N	500	.050	20	N	10	N	25	15
84TI300B	30	10	N	N	7	N	150	.070	100	N	20	N	50	50
84TI300C	30	20	N	N	10	N	N	.200	70	N	15	N	25	70
84TI301	30	15	N	N	7	N	500	.100	50	N	10	N	30	30
84TI301B	15	20	N	N	5	N	700	.070	70	N	10	N	30	30
84TI302	15	10	N	N	5	N	500	.070	20	N	10	N	10	30
84TI303	10	<10	N	N	<5	N	500	.070	50	N	<10	N	10	20
84TI304	<5	N	N	N	N	N	700	.050	30	N	<10	N	20	20
84TI305	10	10	N	N	<5	N	500	.050	10	N	<10	N	20	15
84TI306A	50	N	N	N	15	N	N	.500	100	N	30	<200	40	100
84TI306C	30	<10	N	N	10	N	N	.150	70	N	15	N	35	50
84TI307	10	N	N	4	5	N	N	.150	300	N	10	N	15	70
84TI308	50	100	N	N	10	N	200	.200	100	N	30	N	50	70
84TI308B	20	200	N	N	<5	N	200	.050	20	N	20	N	15	10
84TI309	N	<10	N	N	N	N	1,000	.010	10	N	N	N	N	10
84TI310	50	10	N	N	20	N	200	.300	100	N	20	N	50	70
84TI312	50	<10	N	N	10	N	100	.200	100	N	20	N	60	70
84TI313	70	N	N	N	30	N	200	.300	150	N	15	N	10	50
84TI314	20	15	N	N	10	N	300	.100	70	N	15	N	20	30
84TI315	15	<10	N	6	<5	N	N	.100	1,000	N	<10	N	10	50
84TI316	70	N	N	N	30	N	200	.300	150	N	15	N	15	20
84TI317A	50	<10	N	N	15	N	200	.700	100	N	20	N	50	100
84TI317C	N	N	N	N	<5	N	N	.005	N	N	N	N	N	<10
84TI318	30	10	N	N	5	N	500	.100	100	N	10	N	10	30
84TI319A	5	10	N	N	<5	N	700	.050	20	N	10	N	10	15
84TI321A	30	15	N	N	5	N	200	.100	100	N	10	N	15	30
84TI322	<5	<10	N	N	<5	N	500	.050	20	N	<10	N	15	20
84TI323	10	<10	N	N	5	N	300	.070	20	N	<10	N	10	20
84TI325	15	10	N	N	5	N	200	.050	30	N	<10	N	15	30
84TI326	15	<10	N	N	5	N	500	.070	50	N	10	N	15	20
84TI327	30	<10	N	N	20	N	<100	.500	100	N	20	N	55	50
84TI328	50	20	N	N	15	N	100	.300	100	N	30	N	20	100
84TI329	10	<10	N	N	N	N	1,000	.050	30	N	10	N	15	20
84TI330	10	<10	N	N	5	N	300	.100	20	N	10	N	15	30
84TI331B	70	<10	N	N	20	N	500	.700	150	N	20	N	35	70
84TI331Z	30	N	N	N	5	N	N	.100	150	N	20	N	25	50
84TI332	70	<10	N	N	20	N	<100	.700	200	N	50	<200	60	100
84TI333	5	N	N	N	N	N	100	.002	<10	N	15	N	5	N
84TI334	N	N	N	N	N	N	1,000	.002	N	N	N	N	<5	N
84TI335A	<5	N	N	N	N	N	2,000	.030	10	N	N	N	<5	<10
84TI336	70	15	N	N	20	N	150	.500	150	N	50	N	15	200
84TI337	50	<10	N	N	15	N	N	.300	100	N	50	N	20	100
84TI338	50	50	N	N	10	N	300	.200	100	N	50	N	15	100
84TI339	30	30	N	N	10	N	500	.200	100	N	50	N	10	100

Sample	Latitude	Longitude	Quad.	gx code	S-AG	S-AS	AA-AS	AA-AU	S-B	S-BA	S-BE
84TI340	64 49 32	164 20 0	S D-5	10	N	N	<10	--	70	300	1.5
84TI341	64 50 15	164 18 41	S D-5	10	N	N	N	--	N	<20	N
84TI342	64 51 28	164 20 52	S D-5	2	N	N	10	--	100	300	1.0
84TI343	64 51 32	164 22 47	S D-5	6	N	N	<10	--	30	100	1.5
84TI344	64 49 2	164 25 15	S D-5	2	N	N	N	--	70	300	1.0
84TI345	64 49 2	164 21 5	S D-5	2	<.5	N	10	--	50	300	1.0
84TI346	64 58 12	164 6 35	S D-5	4	<.5	N	N	--	70	500	1.0
84TI347	64 59 39	164 1 56	S D-5	4	N	N	N	--	50	300	<1.0
84TI348	65 2 12	163 54 30	B A-4	4	N	N	N	--	30	200	<1.0
84TI349	65 2 24	163 59 57	B A-4	4	N	N	30	--	100	500	1.0
84TI350	65 1 56	164 20 2	B A-5	4	.5	N	N	--	20	2,000	<1.0
84TI351	64 56 50	164 14 10	S D-5	10	N	N	N	--	N	N	N
84TI352	64 55 14	164 14 5	S D-5	10	N	N	N	--	N	N	N

Sample	S-BI	AA-Bi	S-CA%	S-CD	AA-Cd	S-CO	S-CR	S-CU	S-FE%	I-HG	S-LA	S-MG%	S-MN	S-MO	S-NB
84TI340	N	N	.50	N	N	15	100	70	5.00	--	50	1.00	700	N	N
84TI341	N	N	20.00	N	N	N	N	N	.20	--	N	.70	200	N	N
84TI342	N	N	.30	N	.10	30	150	30	5.00	--	50	1.50	300	N	N
84TI343	N	<1	1.50	N	.10	20	70	5	1.50	--	70	.70	200	N	<20
84TI344	N	N	.07	N	N	20	100	20	3.00	--	30	1.00	200	5	N
84TI345	N	<1	.15	N	.10	20	100	15	5.00	--	50	1.00	500	N	N
84TI346	N	<1	<.05	N	<.10	7	100	50	3.00	--	50	1.50	150	<5	N
84TI347	N	N	.50	N	.10	20	150	20	3.00	--	50	1.50	300	N	N
84TI348	N	<1	.05	N	N	20	150	20	5.00	--	30	1.00	150	N	N
84TI349	N	N	.07	N	<.10	20	150	10	3.00	--	50	1.00	300	N	N
84TI350	N	<1	.30	N	N	N	30	5	.30	--	N	.50	20	20	N
84TI351	N	N	>20.00	N	<.10	N	N	N	<.05	--	N	.15	10	N	N
84TI352	N	N	5.00	N	N	N	N	N	<.05	--	N	.10	50	N	N

Sample	S-NI	S-PB	S-SB	AA-SB	S-SC	S-SN	S-SR	S-TI%	S-U	S-W	S-Y	S-ZN	AA-ZN	S-ZR
84TI340	50	15	N	N	15	N	N	.300	150	N	30	N	55	100
84TI341	10	N	N	N	N	N	300	.003	N	N	N	N	<5	<10
84TI342	70	20	N	<2	20	N	N	.500	100	N	30	N	45	150
84TI343	20	10	N	N	7	N	200	.200	50	N	70	N	30	300
84TI344	50	<10	N	N	15	N	N	.300	100	N	20	N	10	150
84TI345	50	10	N	<2	20	N	N	.300	100	N	30	<200	30	100
84TI346	20	50	N	N	20	N	N	.300	150	N	20	N	65	100
84TI347	50	15	N	N	15	N	N	.300	100	N	30	N	30	150
84TI348	70	10	N	N	15	N	N	.300	100	N	30	N	25	150
84TI349	70	10	N	2	20	N	N	.500	100	N	70	N	40	200
84TI350	20	N	N	2	7	N	N	.150	500	N	20	N	<5	70
84TI351	N	N	N	N	N	N	300	.005	10	N	N	N	<5	N
84TI352	N	<10	N	N	N	N	N	.002	10	N	<10	N	<5	<10