

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Analytical results of non-magnetic heavy-mineral-concentrate
sample data from the Bethel and southern part of the
Russian Mission 1°x3° quadrangles, southwest Alaska

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Open-file Report 92-380A (paper copy)
Open-file Report 92-380B (floppy disk)

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Files included as tables (paper copy) or as files (floppy disk):
Read.me This verbiage
Table1.WK1 Analytical results
Table2.WK1 Detection limits for spectroscopic methods

INTRODUCTION

Chemical analyses are presented here for 1104 non-magnetic heavy-mineral-concentrate samples collected from first- and second-order streams in the Bethel and southern part of the the Russian Mission 1°x3° quadrangles, southwestern Alaska. These samples were collected during field work from 1987 through 1989 for the Alaska Mineral Resource Assessment Program (AMRAP). 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 similar report with data for rock geochemical data (Frost 1992) and stream sediment samples (Frost and others 1992) have already been published. A 1:250,000 scale geologic map has also been published (Box and others, 1992).

The Bethel map area covers about 7500 mi² in southwestern Alaska. Numerous small permanent settlements are located along rivers; the largest community in southwestern Alaska is Bethel with about 2500 residents. Access to all areas is by boat, winter trail, or air. Apart from landing strips located in communities or at mining claims, air access is restricted to float planes or helicopters.

Topographic relief in the quadrangle ranges from tidal flats along the Kuskokwim and tributary rivers in the western part of the quadrangle to 1670 m (5030 ft) in the rugged glaciated mountains in the southeastern part of the quadrangle. Most of the eastern half of the quadrangle consists of tundra covered hills and mountains as high as 1200 m (3000 ft) with intervening broad glacially carved valleys or narrow unglaciated valleys.

GEOLOGY

The western third of the Bethel quadrangle is covered by thick, unconsolidated Quaternary deposits of the Kuskokwim delta. The remainder of the quadrangle is underlain by at least five distinct accreted tectonostratigraphic terranes (Box and others, 1992) that are made up of rocks of Precambrian through Early Cretaceous age (plate 1). Deposited unconformably on most of the older terranes is a thick sequence of highly deformed, predominantly turbiditic sedimentary rocks of the Upper Cretaceous Kuskokwim Group (Hoare and Coonrad, 1959a, b; Box and others, 1992). Cretaceous and Tertiary high-level granitoid plutons, basaltic through dacitic volcanic fields, and

hypabyssal rhyolite intrusions and extrusive (?) domes were intruded through and (or) deposited on all older rock units (Frost and others, 1988; Frost, 1990; Box and others, 1992).

METHODS OF STUDY

Sample collection

Stream-sediment samples were scooped from the active channel of first- and second-order streams. A 16" gold pan was filled with all material that passed a 2 mm stainless steel screen, from which a stream sediment bulk sample was collected (Frost and others, 1992). Heavy-mineral-concentrate samples were then panned from the bulk remaining in the pan. Some localities did not yield sufficient material for heavy-mineral-concentrate sample.

Sample Preparation

Heavy-mineral-concentrate samples were air-dried and sieved to -35 mesh; bromoform (s.g. 2.85) was used to remove materials with specific gravity less than 2.85. The resultant heavy-mineral sample was separated into three fractions using a modified Fanz Isodynamic Separator. The most magnetic material (setting of 0.25 ampere) was discarded. The second fraction (setting of 1.75 amp), largely ferromagnesian silicates and iron oxides, was saved for archival storage. The last, non-magnetic fraction, was split with a microsplitter. One fraction was hand ground for spectrographic analysis, the other was saved for mineralogic analysis.

The magnetic separates are equivalent to those that would be produced with an unmodified Franz Isodynamic Separator set at a slope of 15° and a tilt of 10° with a current of 0.2 amp to remove the most magnetic material, and a current of 0.6 amp to split the remaining material into paramagnetic and non-magnetic material.

Sample Analysis

The samples were analyzed for 35 elements using a semiquantitative, direct-current arc emission spectrographic method (modification of Grimes and Marrazino, 1968). The elements and their detection limits are listed in table 2.

Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any order

of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting interval at the 83 percent confidence interval and plus or minus two reporting intervals at the 96 percent confidence level (Motooka and Grimes, 1976).

DESCRIPTION OF DATA TABLES

Table 1 (Table1.WK1) lists the results of the analyses for the non-magnetic heavy-mineral-concentrate samples. Columns include: index (row) number, field number, lab number, latitude and longitude (in degrees, minutes, seconds without spaces between data fields), and latitude and longitude (in decimal degrees). These are followed by 35 element spectrographic analyses (Grimes and Marranzino, 1968); the element symbol is preceded by the prefix "s-". The 35 element technique reports Ca, Fe, Mg, Na, P, Ti, Ag, As, Au, B, Ba, Be, Bi, Cd, Co, Cr, Cu, Ga, Ge, La, Mn, Mo, Nb, Ni, Pb, Sb, Sc, Sn, Sr, Th, W, V, Y, Zn and Zr. Values for Zr are not included because most samples contain greater than the upper detection limit for the element.

Data for Fe, Ca, Mg, Na, Ti, and P are in percent, all others are reported in parts per million. For a given value, - indicates that a determination for that element was not made, G the value is greater than the detection limit, H indicates interference from some other element, N indicates no element was detected, < indicates the element was detected but no value was determined, and > indicates the element exceeded the maximum detection limit.

Table 2 (Table2.WK1) lists the detection limits for the technique.

REFERENCES

- Box, S.E., Moll-Stalcup, E.J., Frost, T.P., and Murphy, J.M., 1992, Preliminary geologic map of the Bethel and southern Russian Mission quadrangles, Alaska: U. S. Geological Survey Map MF-xxxx, scale 1:250,000.
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- Frost, T.P. Bailey, E.A., Bradley, Leon, O'Leary, Richard, and Motooka, Jerry, 1992, Analytical results of stream-sediment samples from the Bethel and southern part of the Russian Mission 1x3 degree quadrangles, southwest Alaska: USGS Open-File Report 92-379A (paper copy) and 92-379B (floppy disk)
- Frost, T.P., Calzia, J.P. Kistler, R.W., and Vivit, D.V., 1988, Petrogenesis of the Crooked Mountains pluton, Bethel quadrangle: A preliminary report: in: Galloway, J.P. and Hamilton, T.D., eds., U.S. Geological Survey Circular 1016, p. 126-131.
- Grimes, D.J., and Marranzino, A.P., 1968, Direct-current arc and alternating -current spark emission spectrographic field methods for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.
- Hoare, J.M. and Coonrad, W.L., 1959a, Geology of the Bethel quadrangle, Alaska: U.S. Geological Survey Miscellaneous Investigations Map I-285, 1:250,000.
- Hoare, J.M. and Coonrad, W.L., 1959b, Geology of the Russian Mission quadrangle, Alaska: U.S. Geological Survey Miscellaneous Investigations Map I-292, 1:250,000.
- Motooka, J.M. and Grimes, 1976, Analytical precision of one-sixth order semiquantitative spectrographic analysis: U.S. Geological Survey Circular 591, 6 p.

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	i-MG%	S-NA%	S-P %	i-Tl%
1	7001	CHW274	605831	1600151	60.97528	160.03080	3	0.1	0.03	< 0.5	1.5	> 2
2	7003	CHW276	605508	1600413	60.91889	160.07030	0.3	0.1	0.03	< 0.5	1.5	> 2
3	7004	CHW277	605400	1600018	60.90000	160.00500	15	0.5	0.3	0.5	10	> 2
4	7005	CHW278	605313	1595651	60.88694	159.94750	15	0.5	0.3	0.5	10	> 2
5	7007	CHW280	604856	1600335	60.81556	160.05970	2	0.15	0.03	< 0.5	1.5	0.5
6	7007D	CHW281	604856	1600335	60.81556	160.05970	3	0.07	0.03	< 0.5	1.5	0.5
7	7010	CHW284	605002	1595355	60.83389	159.89860	2	0.5	0.2	< 0.5	5	> 2
8	7011	CHW285	604941	1595231	60.82806	159.87530	0.7	0.15	0.07	< 0.5	3	> 2
9	7012	CHW286	605137	1595246	60.86028	159.87940	0.5	0.3	0.3	< 0.5	7	> 2
10	7013	CHW287	605359	1594711	60.89972	159.78640	0.2	0.15	0.03	< 0.5	7	> 2
11	7015	CHW289	605501	1593647	60.91694	159.61310	0.7	0.3	0.7	< 0.5	7	> 2
12	7016	CHW290	605750	1595420	60.96389	159.90550	0.3	0.07	< 0.05	< 0.5	1.5	> 2
13	7017	CHW708	605840	1594945	60.97778	159.82920	0.7	0.5	0.2	< 0.5	1.5	> 2
14	7018	CHW709	605838	1594950	60.97722	159.83060	1	0.7	0.3	< 0.5	3	> 2
15	7019	CHW710	605445	1595145	60.91250	159.86250	1.5	0.7	0.5	< 0.5	3	> 2
16	7020	CHW711	605445	1595140	60.91250	159.86110	0.5	0.05	< 0.05	< 0.5	0.7	> 1
17	7021	CHW712	605958	1594432	60.99944	159.74220	1.5	0.5	0.7	0.7	1.5	> 2
18	7022	CHW713	605905	1593618	60.98472	159.60500	10	0.3	0.7	0.7	3	> 2
19	7025	CHW407	605900	1592459	60.98333	159.41640	1.5	0.5	0.15	< 0.5	7	> 2
20	7026	CHW408	604141	1593235	60.69472	159.54310	0.7	0.1	< 0.05	< 0.5	2	> 1
21	7027	CHW409	604141	1593241	60.69472	159.54470	0.5	0.05	< 0.05	< 0.5	1.5	0.7
22	7028	CHW410	603841	1594222	60.64472	159.70610	3	0.7	< 0.07	3	1.5	> 2
23	7029	CHW411	603840	1594225	60.64444	159.70690	7	0.5	< 0.07	< 0.7	7	> 2
24	7030	CHW412	603655	1593721	60.61528	159.62250	15	0.3	0.1	< 0.5	0.5	> 2
25	7031	CHY359	600104	1601246	60.01778	160.21280	15	1	0.5	< 0.5	7	> 2
26	7032	CHY360	600010	1600808	60.00278	160.13560	0.3	1	< 0.05	< 0.5	0.7	0.15
27	7033	CHY361	600011	1600810	60.00306	160.13610	0.7	1	0.1	< 0.5	3	1.5
28	7035	CHY362	600107	1601050	60.01861	160.18060	3	1.5	0.5	< 0.5	7	> 2
29	7036	CHY363	600245	1601251	60.04583	160.21420	5	1.5	1.5	0.7	2	> 2
30	7037	CHY364	600500	1600620	60.08333	160.10560	15	2	0.7	0.5	7	> 2
31	7038	CHY365	600500	1600619	60.08333	160.10530	15	1.5	0.7	< 0.5	7	> 2
32	7039	CHY366	601029	1595738	60.17472	159.96060	15	7	1	0.7	7	> 2
33	7040	CHY367	601039	1595755	60.17750	159.96530	15	7	1	0.5	7	0.2
34	7042	CHY368	600752	1595541	60.13111	159.92810	15	1	0.3	0.5	2	0.3
35	7043	CHY369	603005	1601628	60.50139	160.27440	1.5	0.5	0.3	0.5	3	> 2
36	7044	CHY370	603241	1601351	60.54472	160.23080	7	1	0.5	< 0.5	7	> 2
37	7045	CHY371	603021	1601321	60.50583	160.22250	0.7	0.5	0.3	< 0.5	3	> 2
38	7046	CHY372	603011	1601130	60.50306	160.19170	5	1.5	0.2	< 0.5	10	2
39	7047	CHY373	602751	1601005	60.46417	160.16810	15	7	3	1.5	0.5	1
40	7048	CHY374	602655	1600715	60.44861	160.12080	1.5	1	2	< 0.5	3	> 2
41	7049	CHY375	602621	1600530	60.43917	160.09170	15	2	2	0.7	2	> 2
42	7050	CHY376	602510	1600310	60.41945	160.05280	3	2	1	< 0.7	10	> 2
43	7051	CHY377	602436	1600304	60.41000	160.05110	0.7	1	2	< 0.5	3	> 2
44	7052	CHY378	602438	1600258	60.41056	160.04940	0.7	0.7	0.2	< 0.5	1.5	> 1
45	7053	CHY379	602618	1600025	60.43833	160.00690	5	3	0.5	0.5	3	> 2
46	7054	CHY380	602318	1595745	60.38833	159.96250	0.5	7	0.5	< 0.5	10	0.5
47	7055	CHY381	601621	1593731	60.27250	159.62530	20	1	0.3	< 0.5	15	2
48	7056	CHY382	602006	1594712	60.33500	159.78670	0.7	1	1.5	0.7	3	0.5

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
1	7001	1	N 500	N 20	30	700	N 2	N 20	N 50	N 20	15	15	< 10
2	7003	0.7	N 500	N 20	30	2000	N 2	N 20	N 50	N 20	15	15	< 10
3	7004	H	N 500	N 20	150	1500	5	N 20	N 50	N 20	150	15	< 10
4	7005	H	N 500	N 20	150	3000	3	N 20	N 50	N 20	150	150	< 10
5	7007	N 5	N 500	N 20	30	200	N 2	N 20	N 50	N 20	< 20	10	N 10
6	7007D	N 5	N 500	N 20	20	500	N 2	N 20	N 50	N 20	< 20	7	N 10
7	7010	H	N 500	N 20	70	> 10000	N 2	N 20	N 50	N 20	100	30	< 10
8	7011	H 1	N 500	N 20	150	> 5000	N 2	N 20	N 50	N 20	30	15	< 10
9	7012	H	N 500	N 20	200	5000	7	N 20	H	N 20	200	70	< 10
10	7013	H 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	N 20	< 20	20	< 10
11	7015	H	N 500	N 20	200	700	3	N 20	H 50	N 20	200	30	< 10
12	7016	N 2	N 500	N 20	15	700	N 2	N 20	H 50	N 20	< 20	< 10	N 10
13	7017	N 1	N 500	N 20	70	700	3	N 20	N 50	N 20	300	50	< 10
14	7018	N 1	N 500	N 20	200	700	7	N 20	N 50	N 20	500	50	< 10
15	7019	N 1	N 500	N 20	70	700	5	N 20	N 50	N 20	500	50	< 10
16	7020	N 1	N 500	N 20	15	150	N 2	N 20	N 50	N 20	15	< 10	N 10
17	7021	N 1	N 500	N 20	50	300	N 2	N 20	H	N 20	< 20	< 10	< 10
18	7022	N 1	N 500	N 20	20	200	N 2	150	N 50	N 20	30	30	< 10
19	7025	30	N 500	300	70	300	3	N 20	N 50	N 20	150	50	< 10
20	7026	N 1	N 500	N 20	30	70	2	N 20	N 50	N 20	N 10	< 10	< 10
21	7027	N 1	N 500	N 20	15	30	N 2	N 20	N 50	N 20	< 20	< 10	< 10
22	7028	N 1	N 500	N 20	70	5000	N 2	N 20	N 50	N 20	< 50	< 20	< 20
23	7029	N 1	N 500	N 20	70	< 70	N 2	N 20	N 50	N 20	< 50	< 20	< 20
24	7030	N 1	1500	N 20	30	150	N 2	N 20	N 50	N 20	70	20	< 10
25	7031	N 5	N 500	N 20	300	300	3	N 20	N 50	N 20	150	150	< 10
26	7032	7	7000	N 20	20	150	N 2	N 20	N 50	N 20	< 20	150	< 10
27	7033	300	N 500	> 1000	150	> 10000	N 2	N 20	N 50	N 20	< 20	70	< 10
28	7035	3	3000	N 20	300	2000	< 2	N 20	N 50	< 20	30	50	< 10
29	7036	N 1	700	N 20	150	300	7	N 20	N 50	< 20	70	50	15
30	7037	3	N 500	N 20	30	7000	2	N 20	N 50	< 20	100	30	< 10
31	7038	2	N 500	N 20	700	200	< 2	N 20	N 50	< 20	70	30	< 10
32	7039	300	10000	> 1000	30	1500	N 2	200	N 50	100	70	100	10
33	7040	2000	N 500	> 1000	< 20	70	N 2	N 20	N 50	< 20	50	30	< 10
34	7042	5	N 500	N 20	> 5000	70	3	N 20	N 50	< 20	< 20	10	30
35	7043	2	N 500	N 20	30	10000	N 2	N 20	N 50	< 20	500	70	< 10
36	7044	2	500	N 20	300	> 10000	2	N 20	N 50	30	150	70	< 10
37	7045	1	N 500	N 20	150	> 10000	N 2	N 20	N 50	< 20	300	30	< 10
38	7046	2	N 500	N 20	150	> 10000	N 2	N 20	N 50	< 20	300	30	10
39	7047	3	500	N 20	70	300	N 2	N 20	N 50	30	150	150	30
40	7048	H	< 500	N 20	100	> 10000	3	N 20	N 50	< 20	700	70	< 10
41	7049	2	< 500	N 20	700	3000	7	N 20	N 50	< 20	700	30	15
42	7050	5	N 700	N 70	50	3000	N 3	N 30	N 70	< 30	100	50	< 15
43	7051	H	N 500	N 20	300	1000	3	N 20	N 50	H	1000	70	10
44	7052	1.5	N 500	N 20	30	70	2	N 20	N 50	5	15	15	< 10
45	7053	2	N 500	N 20	150	3000	N 2	N 20	N 50	30	700	150	< 10
46	7054	5	N 500	N 20	150	> 10000	3	N 20	N 50	30	500	150	15
47	7055	2	N 500	N 20	150	300	N 2	N 20	N 50	< 20	< 20	30	< 10
48	7056	5	700	N 20	150	700	N 2	N 20	N 50	30	100	20	< 10

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
1	7001	N 20	< 100	70	N 10	30	< 10	N 20	N 200	5	N 20	< 200	N 200
2	7003	N 20	70	70	N 10	30	< 10	15	N 200	5	N 20	150	N 200
3	7004	N 20	150	700	N 10	100	15	70	N 200	< 10	N 20	2000	N 200
4	7005	N 20	150	500	N 10	70	10	50	N 200	< 10	100	2000	N 200
5	7007	N 20	N 100	70	N 10	< 50	< 10	N 20	N 200	< 10	N 20	< 200	N 200
6	7007D	N 20	N 100	70	N 10	< 50	< 10	N 20	N 200	< 10	N 20	100	N 200
7	7010	N 20	< 100	200	N 10	150	< 10	50	N 200	10	N 20	1000	N 200
8	7011	N 20	N 100	70	N 10	50	< 10	20	N 200	< 10	N 20	700	N 200
9	7012	N 20	150	500	N 10	100	< 10	70	N 200	< 10	N 20	1500	N 200
10	7013	N 20	70	50	N 10	20	< 10	N 20	N 200	5	N 20	200	N 200
11	7015	N 20	200	1500	N 10	70	< 10	30	N 200	10	N 20	500	700
12	7016	N 20	< 100	30	N 10	20	N 10	N 20	N 200	5	N 20	50	N 200
13	7017	N 20	700	200	N 10	< 50	< 10	70	1500	50	30	300	N 200
14	7018	N 20	700	300	N 10	150	< 10	< 20	N 200	70	N 20	700	N 200
15	7019	N 20	500	300	N 10	50	< 10	30	N 200	70	30	300	N 200
16	7020	N 20	N 100	50	N 10	< 50	< 10	N 20	N 200	7	N 20	< 200	N 200
17	7021	N 20	150	150	N 10	< 50	< 10	< 20	N 200	30	30	300	N 200
18	7022	N 20	200	200	N 10	70	< 10	N 20	N 200	15	100	200	N 200
19	7025	N 20	150	150	N 10	50	< 10	20	N 200	70	50	< 200	N 200
20	7026	N 20	< 100	100	N 10	< 50	< 10	N 20	N 200	15	< 20	< 200	N 200
21	7027	N 20	< 100	150	N 10	< 50	< 10	N 20	N 200	15	N 20	< 200	300
22	7028	N 20	300	700	150	70	< 10	3000	N 200	150	< 20	< 200	N 200
23	7029	N 20	500	700	N 10	150	< 10	N 20	N 200	30	N 20	< 200	N 200
24	7030	N 20	700	500	200	300	< 10	< 20	N 200	50	50	300	N 200
25	7031	N 20	200	700	N 10	70	10	70	N 200	70	50	300	N 200
26	7032	N 20	< 100	150	N 10	< 50	< 10	< 20	300	N 10	N 20	< 200	N 200
27	7033	N 20	150	150	N 10	< 50	< 10	30	N 200	30	N 20	300	N 200
28	7035	N 20	300	700	15	< 50	< 10	30	N 200	50	N 20	300	N 200
29	7036	N 20	< 100	1500	N 10	70	10	20	N 200	30	N 20	300	N 200
30	7037	N 20	700	700	N 10	< 50	10	< 20	N 200	50	N 20	500	N 200
31	7038	N 20	300	1500	N 10	< 50	10	< 20	N 200	50	30	500	N 200
32	7039	N 20	300	700	30	150	70	1500	N 200	20	70	700	N 200
33	7040	N 20	300	300	70	300	< 10	5000	N 200	15	N 20	300	N 200
34	7042	N 20	N 100	1500	N 10	< 50	< 10	50	N 200	15	N 20	< 200	N 200
35	7043	N 20	150	150	N 10	< 50	30	70	N 200	30	N 20	300	N 200
36	7044	N 20	300	300	N 10	50	50	70	N 200	30	N 20	1000	N 200
37	7045	N 20	150	150	N 10	70	< 10	100	N 200	30	N 20	1500	N 200
38	7046	< 20	< 100	150	N 10	< 50	20	200	N 200	15	N 20	3000	N 200
39	7047	N 20	N 100	2000	N 10	< 50	70	< 20	N 200	50	N 20	300	N 200
40	7048	N 20	100	1000	N 10	100	50	30	N 200	70	N 20	300	N 200
41	7049	N 20	< 100	3000	N 10	< 50	30	30	N 200	30	N 20	700	N 200
42	7050	N 20	N 150	700	N 30	70	15	150	N 200	30	70	< 200	500
43	7051	N 20	N 100	1500	N 10	50	15	150	2000	100	70	300	N 200
44	7052	N 20	N 100	700	N 20	N 50	7	< 20	N 200	15	N 20	< 200	N 200
45	7053	N 20	< 100	3000	N 10	70	50	30	N 200	20	N 20	300	N 200
46	7054	70	< 100	3000	N 10	< 50	70	700	N 200	15	20	7000	N 200
47	7055	N 20	1000	1000	150	< 50	< 10	30	N 200	30	300	< 200	N 200
48	7056	N 20	300	700	N 10	< 50	70	20	N 200	30	30	< 200	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
1	7001	50	N 50	70	N 500
2	7003	50	N 50	70	N 500
3	7004	300	N 50	300	N 500
4	7005	300	N 50	300	N 500
5	7007	10	N 50	150	N 500
6	7007D	< 20	N 50	N 150	N 500
7	7010	150	N 50	500	N 500
8	7011	70	N 50	70	500
9	7012	300	N 50	200	N 500
10	7013	30	N 50	100	3000
11	7015	300	N 50	300	N 500
12	7016	< 20	N 50	70	N 500
13	7017	200	300	500	N 500
14	7018	300	N 50	500	N 500
15	7019	700	N 50	300	N 500
16	7020	30	50	30	N 500
17	7021	70	300	700	N 500
18	7022	70	2000	300	N 500
19	7025	300	N 50	700	N 500
20	7026	30	50	150	N 500
21	7027	15	N 50	150	N 500
22	7028	700	500	700	N 500
23	7029	200	N 50	1500	N 500
24	7030	700 > 20000		1500	N 500
25	7031	300	N 50	300	N 500
26	7032	< 20	N 50	70	1500
27	7033	70	N 50	300	N 500
28	7035	150	200	300	N 500
29	7036	150	1000	150	N 500
30	7037	150	< 50	700	N 500
31	7038	150	N 50	700	N 500
32	7039	100 > 20000		300	N 500
33	7040	30 > 20000		300	N 500
34	7042	150	2000	150	N 500
35	7043	150	N 50	300	N 500
36	7044	200	N 50	300	N 500
37	7045	150	N 50	300	N 500
38	7046	200	100	150	N 500
39	7047	700	N 50	100	N 500
40	7048	300	150	150	N 500
41	7049	150	N 50	150	N 500
42	7050	100	3000	150	N 500
43	7051	1500	N 50	200	N 500
44	7052	100	N 50	70	N 500
45	7053	30	200	150	N 500
46	7054	300	N 50	70	1500
47	7055	70	200	700	N 500
48	7056	30	N 50	300	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	S-TI%
49	7057	CHY383	602056	1594652	60.34889	159.78110	1	3	1.5	0.5	7	> 2
50	7058	CHY384	602140	1594216	60.36111	159.70440	7	5	7	< 0.5	5	> 2
51	7059	CHY385	601950	1593651	60.33055	159.61420	2	5	2	< 0.5	3	> 2
52	7060	CHY386	601836	1593510	60.31000	159.58610	15	1.5	1.5	0.5	10	> 2
53	7061	CHY387	601642	1593228	60.27833	159.54110	15	1.5	3	0.5	7	> 2
54	7062	CHY388	601436	1592929	60.24333	159.49140	15	2	2	1	7	2
55	7063	CHY389	601251	1592932	60.21417	159.49220	15	1.5	3	0.7	10	1.5
56	7064	CHY390	601100	1592842	60.18333	159.47830	15	15	1	0.7	7	0.15
57	7065	CHY391	601145	1592900	60.19584	159.48330	15	3	1.5	0.5	3	0.7
58	7066	CHY392	605025	1594242	60.84028	159.71170	1.5	2	0.5	< 0.5	5	> 2
59	7067	CHY393	605009	1594140	60.83583	159.69440	0.7	1	0.5	< 0.5	3	> 2
60	7068	CHY394	604936	1594059	60.82667	159.68310	0.7	1.5	2	< 0.5	3	> 2
61	7069	CHY395	604732	1591150	60.79222	159.19720	15	3	7	< 0.5	7	> 2
62	7070	CHY396	604621	1591948	60.77250	159.33000	1.5	3	0.7	< 0.5	5	> 2
63	7071	CHY397	605056	1591849	60.84889	159.31360	7	2	1	< 0.5	5	> 2
64	7201	CHW291	605718	1595952	60.95500	159.99780	0.7	0.2	0.5	< 0.5	7	> 2
65	7202	CHW292	605552	1600010	60.93111	160.00280	0.2	0.1	0.05	< 0.5	1.5	> 2
66	7203	CHW293	605447	1600116	60.91306	160.02110	0.5	0.3	0.2	< 0.5	7	> 2
67	7204	CHW294	605418	1600012	60.90500	160.00330	15	0.3	0.2	< 0.5	5	> 2
68	7205	CHW295	605324	1600108	60.89000	160.01890	15	0.3	0.15	< 0.5	5	> 2
69	7206	CHW296	605233	1600012	60.87583	160.00330	5	0.07	0.15	< 0.5	3	> 2
70	7207	CHW297	605022	1595816	60.83944	159.97110	2	1	2	< 0.5	2	> 2
71	7208	CHW298	604721	1595718	60.78917	159.95500	1	0.1	0.15	< 0.5	1.5	> 2
72	7209	CHW299	605022	1595022	60.83944	159.83940	15	0.3	0.3	< 0.5	10	> 2
73	7210	CHW300	605222	1595125	60.87278	159.85690	0.7	0.2	0.5	< 0.5	7	> 2
74	7211	CHW301	605400	1594516	60.90000	159.75440	5	0.2	0.2	< 0.5	7	> 2
75	7213	CHW304	605706	1594325	60.95167	159.72360	0.7	0.15	0.2	< 0.5	3	> 2
76	7214	CHW305	605552	1594131	60.93111	159.69190	1	0.1	0.05	< 0.5	5	> 2
77	7215	CHW306	605603	1593752	60.93417	159.63110	15	0.1	0.15	< 0.5	5	> 2
78	7216	CHW307	605428	1593121	60.90778	159.52250	10	0.3	0.7	< 0.5	7	> 2
79	7217	CHW308	605514	1592715	60.92056	159.45420	1.5	0.2	0.7	< 0.5	5	> 2
80	7218	CHW309	605910	1595642	60.98611	159.94500	0.2	< 0.1	< 0.05	< 0.5	0.3	0.7
81	7219	CHW688	605948	1595052	60.99667	159.84780	3	1	0.15	< 0.5	5	> 2
82	7220	CHW689	605537	1595551	60.92694	159.93080	3	0.5	0.07	< 0.5	7	> 2
83	7220D	CHW690	605537	1595551	60.92694	159.93080	15	0.7	0.3	< 0.5	7	> 2
84	7221	CHW691	605531	1595347	60.92528	159.89640	5	0.7	1	< 0.5	5	> 2
85	7222	CHW707	605657	1594715	60.94917	159.78750	0.7	0.7	0.5	< 0.5	3	> 2
86	7223	CHW413	604056	1593100	60.68222	159.51670	15	0.5	0.15	< 0.5	7	> 2
87	7224	CHW414	604055	1593108	60.68195	159.51890	20	0.5	0.15	< 0.5	7	> 2
88	7225	CHW415	604214	1593205	60.70389	159.53470	1	0.5	< 0.05	< 0.5	1.5	> 1
89	7226	CHW416	604133	1592512	60.69250	159.42000	> 50	2	1	< 0.7	3	> 2
90	7226	CHY306	605048	1594357	60.84667	159.73250	1	0.2	0.05	< 0.5	1	0.7
91	7228	CHW418	604303	1593558	60.71750	159.59940	15	0.5	< 0.07	< 0.5	< 0.5	> 2
92	7229	CHW419	604359	1594211	60.73306	159.70300	15	0.7	0.2	< 0.5	> 20	> 2
93	7230	CHW420	604200	1594205	60.70000	159.70140	0.7	0.05	< 0.05	< 0.5	1.5	0.7
94	7231	CHW421	604128	1594251	60.69111	159.71420	> 50	0.7	0.3	< 0.7	7	> 2
95	7232	CHW422	603909	1594228	60.65250	159.70780	5	0.5	< 0.07	< 0.7	> 20	> 2
96	7232D	CHW423	603909	1594228	60.65250	159.70780	7	0.7	0.3	< 0.7	7	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
49	7057	2	500	N 20	50	> 10000	N 2	N 20	N 50	30	150	300	< 10
50	7058	3	700	N 20	30	500	N 2	N 20	N 50	70	1500	50	< 10
51	7059	2	N 500	N 20	300	> 10000	3	500	N 50	70	1000	200	< 10
52	7060	3	3000	N 20	700	3000	N 2	N 20	N 50	100	150	50	< 10
53	7061	1	N 500	N 20	150	150	N 2	N 20	N 50	< 20	300	150	< 10
54	7062	5	N 500	N 20	70	300	N 2	N 20	N 50	< 20	70	30	< 10
55	7063	7	N 500	N 20	50	150	N 2	N 20	N 50	< 20	300	70	< 10
56	7064	5	700	N 20	1500	> 10000	3	N 20	N 50	30	30	50	10
57	7065	5	N 500	N 20	1000	150	7	N 20	N 50	< 20	300	30	30
58	7066	500	N 500	> 1000	150	3000	3	N 20	N 50	< 20	300	150	< 10
59	7067	1.5	N 500	N 20	700	300	3	N 20	N 50	< 20	1500	50	< 10
60	7068	H	N 500	N 20	300	700	3	N 20	N 50	< 20	5000	50	< 10
61	7069	H	N 500	N 20	50	300	N 2	N 20	N 50	30	3000	30	< 10
62	7070	1.5	N 500	N 20	300	> 10000	3	N 20	N 50	20	500	100	< 10
63	7071	20	3000	N 20	5000	> 10000	3	2000	N 50	70	1500	150	10
64	7201	N 5	N 500	N 20	70	3000	N 2	N 20	H	N 20	150	20	< 10
65	7202	N 2	N 500	N 20	20	1000	N 2	N 20	N 50	N 20	10	< 10	< 10
66	7203	N 5	N 500	N 20	150	> 10000	3	N 20	H	N 20	200	50	< 10
67	7204	N 5	N 500	N 20	150	5000	3	N 20	H	N 20	200	20	< 10
68	7205	N 5	N 500	N 20	150	> 10000	N 2	N 20	H	N 20	200	20	< 10
69	7206	H 1	N 500	N 20	70	700	N 2	N 20	N 50	N 20	50	< 10	< 10
70	7207	N 1	N 500	N 20	30	500	N 2	N 20	H	N 20	70	30	< 10
71	7208	N 1	N 500	N 20	50	150	N 2	N 20	H 50	N 20	10	< 10	< 10
72	7209	H	N 500	N 20	100	5000	N 2	N 20	H	N 20	200	30	< 10
73	7210	H	N 500	N 20	50	7000	N 2	N 20	H	N 20	70	30	< 10
74	7211	H	N 500	N 20	100	> 10000	N 2	N 20	H	N 20	70	30	< 10
75	7213	H	N 500	N 20	150	1500	5	N 20	H	N 20	150	30	< 10
76	7214	N 10	N 500	N 20	70	1000	N 2	N 20	N 50	N 20	< 20	< 10	< 10
77	7215	150	N 500	> 1000	< 20	2000	N 2	700	N 50	N 20	150	20	< 10
78	7216	50	N 500	300	700	300	< 2	N 20	H	N 20	30	20	< 10
79	7217	20	700	700	200	700	> 2000	N 20	H	N 20	30	50	< 10
80	7218	N 1	N 500	N 20	20	1500	30	N 20	N 50	N 20	< 20	< 10	N 10
81	7219	N 1	N 500	N 20	70	> 10000	50	N 20	N 50	300	300	50	< 10
82	7220	N 1	N 500	N 20	70	3000	15	N 20	N 50	70	70	30	< 10
83	7220D	N 1	N 500	N 20	70	2000	N 2	N 20	N 50	70	70	20	< 10
84	7221	N 1	N 500	N 20	50	300	7	N 20	N 50	200	200	70	< 10
85	7222	N 1	N 500	N 20	200	> 10000	7	N 20	N 50	N 20	500	70	< 10
86	7223	N 1	1000	N 20	30	150	N 2	N 20	N 50	N 20	50	30	< 10
87	7224	N 1	N 500	N 20	30	150	7	N 20	N 50	N 20	50	< 10	20
88	7225	N 1	N 500	N 20	15	> 5000	N 2	N 20	N 50	N 20	< 20	< 10	< 10
89	7226	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	N 20	70	< 10	< 10
90	7226	N 1	N 500	N 20	50	1500	N 2	N 20	N 50	N 20	15	300	< 10
91	7228	N 1	1500	N 20	150	150	N 2	N 20	N 50	N 20	50	< 10	< 10
92	7229	N 1	N 500	N 20	150	200	N 2	N 20	N 50	N 20	50	< 10	< 10
93	7230	N 1	N 500	N 20	20	> 5000	N 2	N 20	N 50	N 20	< 20	< 10	N 10
94	7231	N 1	N 500	N 20	150	> 10000	N 2	N 20	N 50	N 20	70	< 10	N 10
95	7232	N 1	N 500	N 20	300	> 10000	N 2	N 20	N 50	N 20	70	< 10	< 10
96	7232D	N 1	N 500	N 20	150	> 10000	N 2	N 20	N 50	N 20	150	< 10	< 10

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
49	7057	N 20	300	1500	N 10	< 50	50	30	N 200	30	N 20	1000	N 200
50	7058	N 20	300	1500	15	< 50	70	70	N 200	70	30	< 200	N 200
51	7059	N 20	< 100	700	15	50	100	100	N 200	70	30	300	N 200
52	7060	N 20	500	1000	N 10	< 50	200	30	N 200	30	30	300	N 200
53	7061	N 20	300	1000	N 10	70	50	30	N 200	70	70	< 200	N 200
54	7062	N 20	300	3000	N 10	< 50	15	< 20	N 200	20	50	300	N 200
55	7063	N 20	300	1500	N 10	< 50	70	< 20	N 200	30	50	300	N 200
56	7064	N 20	300	3000	30	< 50	70	50	N 200	15	70	700	N 200
57	7065	N 20	N 100	1500	N 10	< 50	30	< 20	N 200	15	N 20	< 200	N 200
58	7066	N 20	1500	700	N 10	200	50	70	7000	70	300	1500	N 200
59	7067	N 20	1500	300	N 10	70	15	30	N 200	70	30	300	N 200
60	7068	N 20	1500	1500	N 10	70	30	50	N 200	100	70	300	N 200
61	7069	N 20	200	3000	N 10	< 50	70	100	N 200	70	30	< 200	N 200
62	7070	N 20	1500	700	N 10	70	50	70	N 200	50	30	2000	N 200
63	7071	N 20	700	700	N 10	70	150	300	N 200	70	100	700	N 200
64	7201	N 20	200	500	N 10	70	< 10	150	N 200	10	N 20	300	N 200
65	7202	N 20	70	150	N 10	30	< 10	< 20	N 200	10	< 200	< 200	N 200
66	7203	N 20	150	300	N 10	70	< 10	100	N 200	10	N 20	1000	N 200
67	7204	N 20	150	500	N 10	70	< 10	70	N 200	< 10	N 20	1500	N 200
68	7205	N 20	150	300	N 10	70	< 10	70	N 200	< 10	N 20	3000	N 200
69	7206	N 20	N 100	70	N 10	30	< 10	< 20	N 200	< 10	N 20	150	N 200
70	7207	N 20	< 100	2000	N 10	150	10	20	N 200	50	N 20	< 200	N 200
71	7208	N 20	70	150	N 10	30	< 10	< 20	N 200	10	N 20	100	N 200
72	7209	N 20	150	500	N 10	70	< 10	70	N 200	50	N 20	2000	N 200
73	7210	N 20	N 100	200	N 10	100	< 10	30	N 200	50	N 20	700	N 200
74	7211	N 20	N 100	300	N 10	200	< 10	50	N 200	20	N 20	1500	N 200
75	7213	N 20	150	200	N 10	70	< 10	30	300	50	N 20	700	N 200
76	7214	N 20	N 100	100	N 10	70	< 10	N 20	N 200	15	N 20	< 200	N 200
77	7215	N 20	300	300	H	70	< 10	20	1000	30	N 20	< 200	N 200
78	7216	N 20	200	300	N 10	500	< 10	30	N 200	30	N 20	< 200	N 200
79	7217	N 20	150	500	N 10	70	< 10	20	N 200	200	50	< 200	N 200
80	7218	N 20	< 100	20	N 10	500	< 10	N 20	N 200	< 10	N 20	< 200	N 200
81	7219	N 20	150	200	N 10	70	< 10	100	N 200	30	N 20	1500	N 200
82	7220	N 20	< 100	150	N 10	150	< 10	< 20	N 200	70	N 20	700	N 200
83	7220D	N 20	< 100	150	N 10	< 50	< 10	70	N 200	70	N 20	700	N 200
84	7221	N 20	< 100	300	N 10	70	< 10	30	N 200	70	N 20	700	N 200
85	7222	N 20	700	300	N 10	150	< 10	50	N 200	70	N 20	700	N 200
86	7223	N 20	700	700	100	70	< 10	< 20	N 200	50	< 20	300	N 200
87	7224	N 20	300	700	N 10	< 50	< 10	30	N 200	30	< 20	500	N 200
88	7225	N 20	70	70	N 10	< 50	N 10	N 20	N 200	10	< 20	150	N 200
89	7226	N 20	700	2000	70	70	< 10	N 20	N 200	70	< 20	500	N 200
90	7226	N 20	300	70	10	50	< 10	30	1000	7	N 20	N 200	N 200
91	7228	N 20	700	300	70	200	< 10	N 20	N 200	50	N 20	500	N 200
92	7229	N 20	300	300	N 10	< 50	< 10	N 20	N 200	70	N 20	700	N 200
93	7230	N 20	< 70	30	N 10	< 50	< 10	< 20	N 200	7	N 20	150	N 200
94	7231	N 20	200	300	N 10	< 50	< 10	< 20	N 200	50	N 20	1500	N 200
95	7232	N 20	300	300	N 10	150	< 10	N 20	N 200	50	N 20	700	N 200
96	7232D	N 20	300	300	200	150	< 10	< 20	15000	70	N 20	700	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
49	7057	150	N 50	300	N 500
50	7058	300	N 50	300	N 500
51	7059	300	150	150	2000
52	7060	150	N 50	300	N 500
53	7061	300	500	300	N 500
54	7062	70	N 50	200	N 500
55	7063	150	N 50	300	N 500
56	7064	70	N 50	300	N 500
57	7065	300	N 50	100	N 500
58	7066	700 > 20000		150	N 500
59	7067	300	300	150	N 500
60	7068	700	N 50	300	N 500
61	7069	700	N 50	200	N 500
62	7070	150	N 50	200	N 500
63	7071	300	150	200	N 500
64	7201	150	N 50	300	N 500
65	7202	30	N 50	100	N 500
66	7203	150	N 50	200	N 500
67	7204	150	N 50	200	N 500
68	7205	150	N 50	200	N 500
69	7206	30	N 50	70	N 500
70	7207	150	N 50	150	N 500
71	7208	30	N 50	70	N 500
72	7209	300	N 50	300	N 500
73	7210	300	N 50	200	N 500
74	7211	150	N 50	200	5000
75	7213	500	N 50	200	N 500
76	7214	30	150	150	N 500
77	7215	150	7000	300	N 500
78	7216	150	300	300	N 500
79	7217	200	150	300	N 500
80	7218	< 20	N 50	30	N 500
81	7219	300	N 50	200	N 500
82	7220	300	N 50	700	N 500
83	7220D	300	N 50	700	N 500
84	7221	300	N 50	300	N 500
85	7222	700	N 50	300	N 500
86	7223	150	1500	1000	N 500
87	7224	150	N 50	700	N 500
88	7225	50	N 50	N 300	N 500
89	7226	150	5000	700	N 500
90	7226	30	N 50	150	N 500
91	7228	150 > 20000		700	N 500
92	7229	150	N 50	700	N 500
93	7230	10	70	100	N 500
94	7231	300	N 50	700	N 500
95	7232	300	N 50	300	3000
96	7232D	300	5000	300	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	S-TI%
97	7233	CHW424	603648	1593708	60.61333	159.61890	20	0.3	< 0.05	< 0.5	7	> 2
98	7234	CHW425	603730	1593220	60.62500	159.53890	1	0.15	< 0.05	< 0.5	0.5	> 1
99	7235	CHW438	600131	1601251	60.02528	160.21420	1	3	0.15	< 0.5	3	> 2
100	7236	CHW439	600142	1601125	60.02833	160.19030	5	0.5	0.15	< 0.5	7	> 2
101	7237	CHW440	600306	1601011	60.05167	160.16970	1	0.05	< 0.05	< 0.5	1.5	0.5
102	7238	CHW441	600308	1601011	60.05222	160.16970	1.5	< 0.1	< 0.05	< 0.5	1	0.3
103	7239	CHW442	600522	1601358	60.08944	160.23280	1	1.5	0.15	< 0.5	3	> 2
104	7240	CHW443	600419	1601311	60.07195	160.21970	1	1.5	0.2	< 0.5	3	> 2
105	7241	CHW444	600555	1600810	60.09861	160.13610	3	0.5	0.15	< 0.5	7	> 2
106	7242	CHW445	600658	1601045	60.11611	160.17920	2	0.3	< 0.05	< 0.5	3	2
107	7243	CHW326	600955	1600033	60.16528	160.00920	1.5	1	0.7	0.7	5	2
108	7243D	CHW327	600955	1600033	60.16528	160.00920	15	2	2	< 0.5	> 20	> 2
109	7244	CHW328	600805	1600201	60.13472	160.03360	3	0.7	0.5	1	5	1
110	7245	CHW329	600715	1595618	60.12083	159.93830	0.7	< 0.1	0.02	< 0.5	0.7	0.15
111	7246	CHW330	600704	1595618	60.11778	159.93830	0.7	0.1	0.02	< 0.5	1.5	0.3
112	7247	CHW331	603120	1601728	60.52222	160.29110	2	0.5	0.1	< 0.5	7	> 2
113	7248	CHW332	603055	1601351	60.51528	160.23080	1	0.5	0.15	< 0.5	7	> 2
114	7249	CHW333	603057	1601208	60.51583	160.20220	0.7	0.5	0.15	< 0.5	7	2
115	7250	CHW334	603024	1601018	60.50667	160.17170	0.7	0.07	0.05	< 0.5	3	0.7
116	7250D	CHW335	603024	1601018	60.50667	160.17170	0.7	0.1	0.03	< 0.5	1.5	0.7
117	7251	CHW336	602702	1601040	60.45055	160.17780	0.3	0.15	0.07	< 0.5	1.5	0.5
118	7252	CHW337	602742	1600830	60.46167	160.14170	1	0.7	0.1	< 0.5	7	> 2
119	7253	CHW338	602555	1600829	60.43195	160.14140	1	0.5	0.07	< 0.5	7	> 2
120	7254	CHW339	602551	1600800	60.43083	160.13330	0.7	0.3	0.15	< 0.5	1.5	> 2
121	7255	CHW340	602555	1600455	60.43195	160.08190	2	0.2	0.1	< 0.5	1.5	0.03
122	7256	CHW341	602600	1600204	60.43333	160.03440	7	0.5	0.15	< 0.5	7	> 2
123	7257	CHW342	602528	1600222	60.42445	160.03940	1	0.05	< 0.05	< 0.5	1.5	1
124	7258	CHW343	602350	1600231	60.39722	160.04190	7	0.7	0.7	< 0.5	1	> 2
125	7259	CHW344	602606	1595918	60.43500	159.98830	0.3	0.07	0.07	< 0.5	1	0.7
126	7260	CHW345	602340	1595500	60.39444	159.91670	15	2	0.7	< 0.5	> 20	> 2
127	7261	CHW346	601515	1594130	60.25417	159.69170	20	0.2	0.05	0.5	> 20	> 2
128	7262	CHW347	601659	1594830	60.28305	159.80830	15	0.2	0.1	0.7	7	1.5
129	7263	CHW348	601622	1593720	60.27278	159.62220	15	0.2	0.07	0.5	7	2
130	7264	CHW349	602120	1594325	60.35556	159.72360	5	0.5	0.5	< 0.5	7	> 2
131	7265	CHW350	601650	1593225	60.28056	159.54030	30	0.7	0.3	1	1	> 2
132	7267	CHY307	604845	1594342	60.81250	159.72830	0.5	0.07	0.02	< 0.5	0.7	> 1
133	7268	CHY308	604532	1591044	60.75889	159.17890	20	1.5	0.5	1.5	7	1.5
134	7269	CHY310	604644	1591602	60.77889	159.26720	5	1	0.7	0.7	3	> 2
135	7269D	CHY311	604644	1591605	60.77889	159.26810	5	1.5	1	0.7	3	> 2
136	7270	CHY312	604826	1591912	60.80722	159.32000	10	1.5	1.5	0.7	7	> 2
137	7271	CHY313	604921	1590455	60.82250	159.08190	10	0.7	0.3	0.7	7	> 2
138	7272	CHY314	605137	1590710	60.86028	159.11940	3	0.7	0.7	< 0.5	1.5	> 2
139	7273	CHY315	605452	1591300	60.91444	159.21670	3	0.7	0.3	0.7	5	> 2
140	7402	CHW311	605446	1595722	60.91278	159.95610	2	0.05	0.07	< 0.5	2	> 2
141	7404	CHW313	605223	1600222	60.87305	160.03940	20	0.3	0.3	< 0.5	15	> 2
142	7405	CHW692	605003	1600215	60.83417	160.03750	2	0.15	0.03	< 0.5	2	1
143	7406	CHW693	605012	1595818	60.83667	159.97170	3	0.7	0.3	< 0.5	5	> 2
144	7408	CHW694	604941	1595510	60.82806	159.91940	2	0.3	< 0.05	< 0.5	7	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
97	7233	300	N 500	N 20	50	70	N 2	< 20	N 50	N 20	50	< 10	< 10
98	7234	N 1	N 500	> 500	30	30	N 2	N 20	N 50	N 20	< 20	< 10	< 10
99	7235	N 1	N 500	N 20	300	150	N 2	N 20	N 50	N 20	100	< 10	< 10
100	7236	N 1	N 500	N 20	150	700	N 2	N 20	N 50	N 20	30	< 10	< 10
101	7237	N 1	N 500	N 20	15	700	N 2	N 20	N 50	N 20	< 20	< 10	< 10
102	7238	N 1	N 500	N 20	30	> 10000	N 2	N 20	N 50	N 20	< 20	< 10	< 10
103	7239	N 1	N 500	70	70	> 10000	2	N 20	N 50	N 20	70	< 10	< 10
104	7240	N 1	N 500	N 20	300	1500	3	N 20	N 50	N 20	50	70	< 10
105	7241	N 1	N 500	N 20	200	> 10000	N 2	< 20	N 50	N 20	50	< 10	< 10
106	7242	N 1	N 500	N 20	70	7000	N 2	N 20	N 50	N 20	< 20	< 10	< 10
107	7243	N 1	N 500	N 20	70	> 10000	7	N 20	N 50	N 20	< 20	< 10	< 10
108	7243D	N 1	N 500	N 20	150	7000	N 2	N 20	N 50	N 20	700	< 10	< 10
109	7244	700	N 500	> 1000	700	> 10000	N 2	N 20	N 50	N 20	< 20	< 10	< 10
110	7245	N 1	N 500	N 20	10	> 5000	N 2	N 20	N 50	N 20	< 20	< 10	N 10
111	7246	N 1	N 500	N 20	15	150	N 2	N 20	N 50	N 20	< 20	< 10	N 20
112	7247	N 1	N 500	N 20	70	3000	N 2	N 20	N 50	N 20	70	< 10	N 10
113	7248	N 1	N 500	N 20	70	10000	N 2	20	N 50	N 20	100	< 10	< 10
114	7249	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	N 20	150	< 10	< 10
115	7250	N 1	N 500	N 20	15	200	N 2	N 20	N 50	N 20	< 20	< 10	N 10
116	7250D	N 1	N 500	N 20	15	700	N 2	N 20	N 50	N 20	< 20	< 10	N 10
117	7251	N 1	N 500	N 20	30	3000	N 2	N 20	N 50	N 20	< 20	< 10	N 10
118	7252	N 1	N 500	N 20	70	3000	N 2	N 20	N 50	N 20	< 20	< 10	N 10
119	7253	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	N 20	< 20	< 10	N 10
120	7254	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	N 20	< 20	< 10	< 10
121	7255	N 1	N 500	N 20	15	5000	N 2	N 20	N 50	N 20	< 20	< 10	N 10
122	7256	N 1	N 500	N 20	70	700	N 2	N 20	N 50	N 20	150	< 10	< 10
123	7257	N 1	N 500	N 20	15	1000	N 2	N 20	N 50	N 20	< 20	< 10	N 10
124	7258	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	N 20	150	< 10	< 10
125	7259	N 1	N 500	N 20	10	700	N 2	N 20	N 50	N 20	< 20	< 10	N 10
126	7260	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	N 20	150	70	< 10
127	7261	N 1	N 500	N 20	N 20	1000	N 2	N 20	N 50	N 20	30	< 10	< 10
128	7262	N 1	N 500	N 20	N 20	700	N 2	N 20	N 50	N 20	< 20	< 10	< 10
129	7263	N 1	N 500	N 20	N 20	150	N 2	N 20	N 50	N 20	< 20	< 10	< 10
130	7264	N 1	N 500	N 20	150	> 10000	N 2	N 20	N 50	N 20	150	< 10	< 10
131	7265	N 1	N 500	N 20	150	700	N 2	N 20	N 50	N 20	< 20	< 10	< 10
132	7267	100	N 500	> 500	70	70	2	300	N 50	N 20	< 20	70	N 10
133	7268	N 1	N 500	N 20	30	300	10	20	N 50	N 20	150	15	15
134	7269	N 1	N 500	N 20	100	> 10000	N 2	150	N 50	N 20	500	70	< 10
135	7269D	N 1	N 500	N 20	150	> 10000	N 2	700	N 50	N 20	700	30	< 10
136	7270	N 1	N 500	N 20	5000	7000	N 2	N 20	N 50	< 20	700	50	< 10
137	7271	N 1	N 500	N 20	150	700	N 2	1500	N 50	N 20	700	15	< 10
138	7272	N 1	N 500	N 20	150	300	5	1000	N 50	N 20	1000	20	< 10
139	7273	N 1	N 500	N 20	1500	500	3	700	N 50	N 20	700	15	10
140	7402	N 1	N 500	N 20	70	300	10	20	N 50	N 20	< 20	< 10	< 10
141	7404	N 1	N 500	N 20	70	7000	7	N 20	H	N 20	150	30	< 10
142	7405	N 1	N 500	N 20	< 20	500	N 2	N 20	N 50	N 20	< 20	< 10	N 10
143	7406	N 1	N 500	N 20	50	200	N 2	N 20	N 50	50	50	30	< 10
144	7408	N 1	N 500	N 20	< 20	700	N 2	N 20	N 50	< 20	< 20	30	< 10

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
97	7233	N 20	300	300	50	100	< 10	< 20	N 200	50	N 20	< 200	N 200
98	7234	N 20	< 70	30	N 10	< 50	< 10	< 20	N 200	7	N 20	< 200	N 200
99	7235	N 20	N 100	150	N 10	< 50	< 10	70	N 200	50	N 20	< 200	N 200
100	7236	N 20	300	200	50	< 50	< 10	< 20	N 200	50	N 20	300	N 200
101	7237	N 20	N 70	70	N 10	< 50	< 10	N 20	N 200	7	N 20	< 200	N 200
102	7238	N 20	200	200	N 10	< 50	< 10	N 20	N 200	10	N 20	7000	N 200
103	7239	N 20	300	150	15	70	< 10	< 20	N 200	50	N 20	500	N 200
104	7240	N 20	200	300	N 10	< 50	< 10	20	N 200	50	N 20	200	N 200
105	7241	N 20	1500	200	N 10	< 50	< 10	< 20	N 200	50	N 20	1500	N 200
106	7242	N 20	150	200	30	< 50	< 10	< 20	N 200	30	N 20	< 200	N 200
107	7243	N 20	300	500	N 10	< 50	< 10	30	N 200	50	N 20	700	N 200
108	7243D	N 20	700	1500	N 10	< 50	< 10	< 20	N 200	70	150	500	N 200
109	7244	N 20	< 100	500	N 10	< 50	< 10	N 20	N 200	30	N 20	500	N 200
110	7245	N 20	N 100	70	N 10	30	< 10	N 20	N 200	N 10	N 20	< 200	N 200
111	7246	N 20	< 100	70	N 10	< 50	< 10	N 20	N 200	N 10	N 20	< 200	N 200
112	7247	N 20	< 100	300	N 10	150	< 10	N 20	N 200	50	N 20	< 200	N 200
113	7248	N 20	500	200	N 10	< 50	< 10	50	N 200	30	300	700	N 200
114	7249	N 20	150	150	N 10	50	< 10	70	N 200	15	150	1500	N 200
115	7250	N 20	N 100	50	N 10	< 50	< 10	N 20	N 200	7	N 20	300	200
116	7250D	N 20	N 100	70	N 10	< 50	< 10	< 20	N 200	5	N 20	300	N 200
117	7251	N 20	N 100	70	N 10	< 50	< 10	< 20	N 200	7	N 20	100	N 200
118	7252	N 20	N 100	200	N 10	< 50	< 10	N 20	N 200	70	N 20	< 200	N 200
119	7253	N 20	< 100	150	N 10	< 50	< 10	< 20	N 200	N 10	N 20	< 200	N 200
120	7254	N 20	< 100	150	N 10	70	< 10	< 20	N 200	20	N 20	1500	N 200
121	7255	N 20	150	70	N 10	< 50	< 10	N 20	N 200	N 10	N 20	N 150	N 200
122	7256	N 20	< 100	150	N 10	50	< 10	30	N 200	50	N 20	1000	N 200
123	7257	N 20	N 100	30	N 10	30	< 10	< 20	N 200	7	N 20	< 200	N 200
124	7258	N 20	500	700	N 10	< 50	< 10	150	N 200	30	N 20	700	N 200
125	7259	N 20	< 100	700	N 10	< 30	< 10	< 20	N 200	N 10	N 20	< 200	N 200
126	7260	N 20	700	300	N 10	< 50	< 10	70	N 200	70	N 20	700	N 200
127	7261	N 20	1500	500	N 10	50	< 10	< 20	N 200	20	50	300	N 200
128	7262	N 20	700	300	100	< 50	< 10	< 20	N 200	20	N 20	< 200	N 200
129	7263	N 20	500	300	< 10	< 50	< 10	< 20	N 200	20	N 20	< 200	N 200
130	7264	N 20	< 100	300	N 10	150	< 10	50	N 200	50	N 20	1500	N 200
131	7265	N 20	700	700	N 10	200	< 10	< 20	N 200	70	N 20	700	N 200
132	7267	N 20	150	30	N 10	30	< 10	N 20	150	7	N 20	< 200	N 200
133	7268	N 20	500	300	N 10	< 50	< 10	20	N 200	15	N 20	700	N 200
134	7269	N 20	200	150	N 10	50	< 10	30	N 200	30	N 20	700	N 200
135	7269D	N 20	200	200	N 10	50	15	20	N 200	50	N 20	700	N 200
136	7270	N 20	300	500	N 10	50	15	70	N 200	50	N 20	200	N 200
137	7271	N 20	300	200	N 10	50	< 10	30	N 200	70	> 2000	300	N 200
138	7272	N 20	300	200	< 10	150	< 10	50	N 200	150	> 2000	< 200	N 200
139	7273	N 20	200	150	< 10	70	< 10	150	N 200	70	1500	< 200	N 200
140	7402	N 20	< 100	30	N 10	< 50	< 10	N 20	N 200	7	N 20	150	N 200
141	7404	N 20	< 100	500	N 10	50	10	30	N 200	30	N 20	5000	N 200
142	7405	N 20	N 50	70	N 10	< 50	< 10	N 20	N 200	7	N 20	150	N 200
143	7406	N 20	N 100	300	N 10	70	< 10	N 20	N 200	70	N 20	< 200	700
144	7408	N 20	300	150	N 10	< 50	< 10	N 20	N 200	70	N 20	< 200	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
97	7233	300	3000	700	N 500
98	7234	30	N 50	150	N 500
99	7235	300	N 50	500	N 500
100	7236	100	2000	500	N 500
101	7237	15	50	150	N 500
102	7238	< 20	N 50	300	N 500
103	7239	200	10000	500	N 500
104	7240	200	N 50	500	N 500
105	7241	70	N 50	500	N 500
106	7242	70	300	300	N 500
107	7243	150	N 50	700	N 500
108	7243D	150	N 50	700	N 500
109	7244	70	300	300	N 500
110	7245	< 20	5000	30	N 500
111	7246	10	N 50	70	N 500
112	7247	300	N 50	700	N 500
113	7248	150	N 50	300	N 500
114	7249	150	N 50	700	N 500
115	7250	15	50	150	N 500
116	7250D	15	50	70	N 500
117	7251	15	N 50	50	N 500
118	7252	150	N 50	500	N 500
119	7253	150	N 50	150	N 500
120	7254	50	N 50	200	N 500
121	7255	15	N 50	50	N 500
122	7256	300	N 50	500	N 500
123	7257	30	N 50	150	N 500
124	7258	200	N 50	700	N 500
125	7259	15	N 50	70	500
126	7260	700	N 50	700	N 500
127	7261	70	N 50	700	N 500
128	7262	70	500	700	N 500
129	7263	70	N 50	700	N 500
130	7264	300	N 50	500	N 500
131	7265	50	N 50	700	N 500
132	7267	30	7000	70	N 500
133	7268	100	N 50	700	N 500
134	7269	150	N 50	300	N 500
135	7269D	150	N 50	300	700
136	7270	300	N 50	300	N 500
137	7271	300	N 50	300	N 500
138	7272	700	N 50	150	N 500
139	7273	500	N 50	300	N 500
140	7402	20	N 50	70	N 500
141	7404	500	N 50	700	N 500
142	7405	15	50	70	N 500
143	7406	200	N 50	500	N 500
144	7408	150	N 50	300	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	S-TI%
145	7409	CHW695	604830	1595310	60.80833	159.88610	0.7	0.05	< 0.05	< 0.5	1.5	> 1
146	7410	CHW696	605058	1595255	60.84945	159.88190	3	0.5	0.2	< 0.5	7	> 2
147	7411	CHW697	605210	1594850	60.86945	159.81390	5	5	0.1	< 0.5	7	> 2
148	7412	CHW698	605314	1595040	60.88722	159.84450	0.7	0.07	< 0.05	< 0.5	1	> 1
149	7412D	CHW699	605314	1595040	60.88722	159.84450	0.5	0.05	< 0.05	< 0.5	0.7	0.7
150	7413	CHW700	605347	1594514	60.89639	159.75390	1	0.3	0.2	< 0.5	1.5	> 2
151	7414	CHW701	605441	1594347	60.91139	159.72970	7	0.7	0.2	< 0.5	7	> 2
152	7415	CHW702	605726	1594255	60.95722	159.71530	7	3	1.5	0.7	1.5	> 2
153	7416	CHW703	605605	1594205	60.93472	159.70140	1	5	0.5	< 0.5	3	> 2
154	7417	CHW704	605455	1593952	60.91528	159.66440	1	2	0.5	< 0.5	3	> 2
155	7418	CHW705	605559	1593820	60.93306	159.63890	1	0.7	0.3	< 0.5	5	> 2
156	7418D	CHW706	605559	1593820	60.93306	159.63890	2	0.7	0.3	< 0.5	5	> 2
157	7419	CHW677	605452	1593040	60.91444	159.51110	3	0.7	0.3	< 1	7	> 2
158	7420	CHW678	605519	1593021	60.92194	159.50580	2	0.3	0.2	< 0.5	7	> 2
159	7421	CHW679	605943	1595542	60.99528	159.92830	2	2	0.3	1	3	> 2
160	7422	CHW680	610020	1595410	61.00555	159.90280	1	0.7	0.3	1	3	2
161	7423	CHW681	605531	1595151	60.92528	159.86420	3	0.7	0.1	< 0.5	7	> 2
162	7424	CHW682	605540	1594930	60.92778	159.82500	1.5	0.5	0.15	< 0.5	5	> 2
163	7425	CHW683	605716	1594700	60.95444	159.78330	0.3	0.1	< 0.05	< 0.5	0.7	> 1
164	7426	CHW684	605952	1594028	60.99778	159.67440	30	0.3	0.15	0.7	7	> 2
165	7427	CHW685	605814	1593447	60.97055	159.57970	30	0.3	0.15	0.5	7	> 2
166	7428	CHW686	605752	1592925	60.96444	159.49030	3	0.7	0.1	< 0.5	7	> 2
167	7429	CHW687	605636	1592318	60.94333	159.38830	0.2	< 0.1	N 0.05	N 0.5	N 0.5	0.3
168	7430	CHW426	603936	1593631	60.66000	159.60860	5	0.3	< 0.05	< 0.5	3	> 2
169	7431	CHW427	604149	1593520	60.69695	159.58890	20	0.5	< 0.05	< 0.5	3	> 2
170	7433	CHW428	604440	1593504	60.74445	159.58440	2	0.2	< 0.07	< 0.7	3	> 2
171	7434	CHW429	604236	1594101	60.71000	159.68360	5	2	0.3	< 0.5	7	> 2
172	7435	CHW430	604049	1594330	60.68028	159.72500	2	0.15	0.07	< 0.5	2	0.7
173	7436	CHW431	603917	1594400	60.65472	159.73330	1	0.05	< 0.05	< 0.5	1.5	0.2
174	7436D	CHW432	603917	1594400	60.65472	159.73330	> 50	0.7	0.7	< 0.5	> 20	> 2
175	7437	CHW433	603725	1593522	60.62361	159.58940	15	0.5	< 0.05	< 0.5	3	> 2
176	7438	CHW434	604411	1593400	60.73639	159.56670	15	0.5	0.15	< 0.5	3	> 2
177	7439	CHW435	600355	1600555	60.06528	160.09860	15	0.3	0.1	< 0.5	7	1.5
178	7440	CHW436	601116	1595912	60.18778	159.98670	> 50	0.15	0.5	0.7	10	1
179	7441	CHW437	600800	1595540	60.13334	159.92780	> 50	< 0.1	< 0.05	< 0.5	7	0.3
180	7442	CHW351	602708	1601046	60.45222	160.17940	0.3	0.1	0.15	< 0.5	0.3	0.15
181	7443	CHW352	602551	1600810	60.43083	160.13610	0.7	0.2	0.15	< 0.5	3	> 2
182	7444	CHW353	602347	1600230	60.39639	160.04170	3	0.2	0.2	< 0.5	7	> 2
183	7445	CHW354	602338	1595505	60.39389	159.91810	10	0.7	0.2	< 0.5	5	> 2
184	7446	CHW355	601543	1594355	60.26194	159.73190	1.5	1	0.15	0.7	5	> 2
185	7447	CHW356	601428	1593810	60.24111	159.63610	20	0.2	0.15	0.7	> 20	1
186	7448	CHW357	601715	1594340	60.28750	159.72780	2	0.2	0.1	1.5	3	0.7
187	7448D	CHW358	601715	1594340	60.28750	159.72780	15	0.2	0.07	1	7	1
188	7449	CHW359	601900	1594300	60.31667	159.71670	3	0.2	0.07	0.5	5	1
189	7450	CHW360	601904	1594320	60.31778	159.72220	1.5	0.2	0.1	< 0.5	2	1
190	7451	CHW361	602056	1594509	60.34889	159.75250	7	0.2	0.15	< 0.5	> 20	1.5
191	7452	CHW362	602039	1593842	60.34417	159.64500	5	0.3	0.1	< 0.5	5	0.7
192	7453	CHW363	601825	1593522	60.30695	159.58940	30	0.7	0.7	< 0.5	> 20	2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
145	7409	N 1	N 500	N 20	< 20	2000	N 2	N 20	N 50	N 20	< 20	< 10	N 10
146	7410	N 1	N 500	N 20	< 20	> 10000	N 2	N 20	N 50	70	70	30	< 10
147	7411	N 1	N 500	N 20	50	> 10000	N 2	N 20	N 50	70	70	30	< 10
148	7412	N 1	N 500	N 20	< 20	150	N 2	N 20	N 50	N 20	< 20	< 10	N 10
149	7412D	N 1	N 500	N 20	15	30	N 2	N 20	N 50	N 20	< 20	< 10	N 10
150	7413	N 1	N 500	N 20	70	100	N 2	N 20	N 50	N 20	300	10	N 10
151	7414	N 1	N 500	N 20	150	3000	N 2	N 20	N 50	N 20	150	70	< 10
152	7415	200	N 500	300	300	700	7	N 20	N 50	30	500	100	15
153	7416	N 1	N 500	N 20	150	700	5	N 20	N 50	70	700	70	< 10
154	7417	20	N 500	150	150	700	15	N 20	N 50	N 20	700	70	< 10
155	7418	70	N 500	700	300	700	7	N 20	N 50	N 20	700	50	< 10
156	7418D	700	N 500	> 1000	70	700	7	N 20	N 50	N 20	500	70	< 10
157	7419	N 1	N 500	N 20	150	3000	N 2	N 20	N 50	70	70	50	< 10
158	7420	N 1	N 500	N 20	100	5000	3	N 20	N 50	300	300	20	< 10
159	7421	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	70	70	50	< 10
160	7422	5000	N 500	> 1000	70	> 10000	N 2	N 20	N 50	< 20	< 20	70	< 10
161	7423	N 1	N 500	N 20	70	1500	N 2	N 20	N 50	70	70	70	< 10
162	7424	N 1	N 500	N 20	100	150	2	N 20	N 50	200	200	30	< 10
163	7425	N 1	N 500	N 20	10	300	N 2	N 20	N 50	N 20	10	7	N 10
164	7426	300	N 500	> 1000	50	500	N 2	N 20	N 50	30	30	20	< 10
165	7427	200	N 500	> 1000	70	200	N 2	> 2000	N 50	70	70	70	< 10
166	7428	N 1	N 500	N 20	50	500	N 2	N 20	H	< 20	< 20	< 10	< 10
167	7429	N 1	N 500	N 20	< 20	< 50	700	N 20	N 50	N 20	< 20	< 10	< 10
168	7430	N 1	N 500	N 20	N 20	70	N 2	< 20	N 50	N 20	30	< 10	< 10
169	7431	5000	N 500	N 20	30	70	N 2	< 20	N 50	N 20	50	< 10	< 10
170	7433	N 1	N 500	> 1000	70	> 10000	N 2	N 20	N 50	N 20	< 20	< 10	< 10
171	7434	N 1	N 500	N 20	700	500	N 2	N 20	H	N 20	70	< 10	< 10
172	7435	N 1	N 500	N 20	30	500	N 2	N 20	N 50	N 20	< 20	< 10	< 10
173	7436	N 1	N 500	N 20	30	> 5000	N 2	N 20	N 50	N 20	< 20	< 10	< 10
174	7436D	N 1	N 500	N 20	150	> 10000	N 2	N 20	N 50	N 20	70	< 10	< 10
175	7437	N 1	N 500	N 20	30	70	N 2	300	N 50	N 20	30	< 10	< 10
176	7438	N 1	N 500	N 20	30	1500	N 2	N 20	N 50	N 20	< 20	< 10	< 10
177	7439	N 1	N 500	N 20	< 20	3000	N 2	N 20	N 50	N 20	20	< 10	< 10
178	7440	N 1	2000	N 20	50	3000	N 2	< 20	N 50	N 20	20	< 10	< 10
179	7441	N 1	N 500	N 20	> 5000	< 50	7	N 20	N 50	N 20	< 20	< 10	< 10
180	7442	N 1	N 500	N 20	15	150	N 2	N 20	N 50	20	15	< 10	N 10
181	7443	N 1	N 500	N 20	N 20	> 10000	N 2	N 20	N 50	N 20	30	30	< 10
182	7444	700	N 500	> 1000	150	150	N 2	N 20	N 50	N 20	< 20	< 10	< 10
183	7445	N 1	N 500	N 20	N 20	> 10000	N 2	N 20	N 50	N 20	150	20	< 10
184	7446	N 1	N 500	N 20	50	> 10000	N 2	N 20	N 50	N 20	30	70	< 10
185	7447	70	N 500	70	N 20	300	N 2	N 20	N 50	N 20	< 20	< 10	< 10
186	7448	200	N 500	> 1000	150	700	N 2	N 20	N 50	N 20	< 20	< 10	15
187	7448D	N 1	N 500	N 20	150	700	N 2	N 20	N 50	N 20	< 20	< 10	15
188	7449	N 1	N 500	N 20	700	300	N 2	N 20	N 50	N 20	< 20	< 10	< 10
189	7450	N 1	N 500	N 20	200	7000	N 2	N 20	N 50	N 20	< 20	< 10	< 10
190	7451	N 1	N 500	N 20	30	70	N 2	N 20	N 50	N 20	< 20	< 10	< 10
191	7452	N 1	1500	N 20	20	> 10000	N 2	N 20	N 50	N 20	< 20	< 10	< 10
192	7453	N 1	N 500	N 20	50	150	N 2	N 20	N 50	N 20	30	70	< 10

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
145	7409	N 20	N 50	30	N 10	20	< 10	N 20	N 200	< 10	15	150	N 200
146	7410	N 20	700	150	N 10	< 50	< 10	< 20	N 200	50	N 20	700	N 200
147	7411	N 20	150	100	N 10	< 50	70	2000	N 200	15	N 20	3000	N 200
148	7412	N 20	N 50	70	N 10	< 50	< 10	N 20	N 200	< 10	N 20	100	N 200
149	7412D	N 20	N 50	70	N 10	< 50	< 10	N 20	N 200	N 10	N 20	< 200	N 200
150	7413	N 20	300	150	N 10	< 50	< 10	N 20	N 200	30	N 20	< 200	N 200
151	7414	N 20	< 100	300	N 10	150	< 10	70	N 200	70	N 20	700	N 200
152	7415	N 20	150	1500	< 10	70	30	70	2000	30	70	300	N 200
153	7416	N 20	< 100	3000	N 10	150	70	< 20	N 200	30	N 20	< 200	N 200
154	7417	N 20	> 2000	700	N 10	150	< 10	70	N 200	150	N 20	700	N 200
155	7418	N 20	1500	500	N 10	150	< 10	50	N 200	70	N 20	700	N 200
156	7418D	N 20	1500	300	N 10	150	< 10	50	5000	70	N 20	700	N 200
157	7419	N 20	300	300	N 10	150	< 10	150	N 200	70	N 20	< 200	N 200
158	7420	N 20	300	150	N 10	50	< 10	30	N 200	50	30	300	N 200
159	7421	N 20	N 100	300	N 10	< 50	< 10	< 20	N 200	70	N 20	700	N 200
160	7422	N 20	N 100	300	N 10	< 50	< 10	N 20	N 200	30	N 20	< 200	N 200
161	7423	N 20	N 100	150	N 10	200	< 10	< 20	N 200	70	N 20	700	N 200
162	7424	N 20	N 100	150	N 10	50	< 10	< 20	N 200	30	N 20	300	N 200
163	7425	N 20	< 100	30	10	30	10	N 20	N 200	7	70	< 200	N 200
164	7426	N 20	300	300	< 10	100	< 10	< 20	N 200	20	150	300	N 200
165	7427	N 20	150	500	< 10	100	< 10	70	300	30	N 20	300	N 200
166	7428	N 20	200	300	N 10	70	< 10	N 20	N 200	70	N 20	< 200	N 200
167	7429	N 20	N 50	< 20	< 10	< 50	< 10	N 20	N 200	7	N 20	N 200	N 200
168	7430	N 20	300	100	30	70	< 10	< 20	N 200	70	N 20	< 200	N 200
169	7431	N 20	500	300	N 10	70	< 10	< 20	N 200	70	N 20	300	N 200
170	7433	N 20	N 100	150	N 10	< 50	< 10	N 20	N 200	50	N 20	< 200	N 200
171	7434	N 20	700	700	N 10	150	< 10	< 20	N 200	70	N 20	< 200	N 200
172	7435	N 20	< 70	70	10	< 50	< 10	N 20	N 200	7	N 20	200	N 200
173	7436	N 20	N 70	30	N 10	< 50	< 10	N 20	N 200	N 10	N 20	150	N 200
174	7436D	N 20	300	500	< 10	< 50	< 10	50	N 200	50	N 20	3000	N 200
175	7437	N 20	500	200	150	200	< 10	< 20	N 200	30	N 20	< 200	N 200
176	7438	N 20	300	500	20	< 50	< 10	< 20	N 200	50	N 20	200	N 200
177	7439	N 20	300	150	N 10	< 50	< 10	< 20	N 200	30	N 20	700	N 200
178	7440	N 20	1000	500	150	150	< 10	< 20	N 200	20	N 20	700	N 200
179	7441	N 20	N 100	700	N 10	< 50	< 10	N 20	N 200	N 10	N 20	N 200	N 200
180	7442	N 20	N 100	70	N 10	< 50	< 10	N 20	N 200	N 10	N 20	< 200	N 200
181	7443	N 20	150	200	N 10	< 50	< 10	< 20	N 200	30	N 20	300	N 200
182	7444	N 20	700	700	N 10	< 50	< 10	N 20	N 200	30	N 20	700	N 200
183	7445	N 20	300	500	N 10	< 50	< 10	30	N 200	30	N 20	1500	N 200
184	7446	N 20	300	300	20	< 50	< 10	1500	N 200	20	N 20	300	N 200
185	7447	N 20	1500	700	300	50	< 10	30	N 200	30	N 20	300	N 200
186	7448	N 20	300	150	N 10	< 50	< 10	30	N 200	15	N 20	300	N 200
187	7448D	N 20	500	200	N 10	< 50	< 10	< 20	N 200	15	N 20	300	N 200
188	7449	N 20	300	150	N 10	< 50	< 10	N 20	N 200	20	N 20	< 200	N 200
189	7450	N 20	150	150	N 10	< 50	< 10	N 20	N 200	30	N 20	< 200	N 200
190	7451	N 20	1000	300	N 10	< 50	< 10	N 20	N 200	30	N 20	300	N 200
191	7452	N 20	700	150	15	< 50	< 10	N 20	N 200	30	N 20	300	N 200
192	7453	N 20	1500	700	N 10	< 50	< 10	20	N 200	20	70	500	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
145	7409	15	N 50	30	N 500
146	7410	300	N 50	300	N 500
147	7411	150	N 50	200	3000
148	7412	15	N 50	50	N 500
149	7412D	10	N 50	30	N 500
150	7413	70	N 50	300	N 500
151	7414	300	N 50	500	5000
152	7415	300	300	300	N 500
153	7416	150	N 50	300	N 500
154	7417	700	N 50	700	N 500
155	7418	300	5000	500	N 500
156	7418D	300	700	500	N 500
157	7419	150	N 50	700	N 500
158	7420	150	< 50	300	N 500
159	7421	300	N 50	500	N 500
160	7422	70	N 50	300	N 500
161	7423	300	N 50	500	N 500
162	7424	300	N 50	200	N 500
163	7425	50	N 50	50	N 500
164	7426	100	N 50	100	N 500
165	7427	150	700	300	N 500
166	7428	150	200	300	N 500
167	7429	< 20	N 50	30	N 500
168	7430	300	2000	700	N 500
169	7431	700	300	700	N 500
170	7433	150	700	700	N 500
171	7434	500	N 50	700	N 500
172	7435	50	N 50	70	N 500
173	7436	20	N 50	30	N 500
174	7436D	150	700	700	N 500
175	7437	300	> 20000	500	N 500
176	7438	70	500	700	N 500
177	7439	70	N 50	700	N 500
178	7440	70	20000	700	N 500
179	7441	< 20	N 50	150	N 500
180	7442	15	N 50	15	N 500
181	7443	150	N 50	700	N 500
182	7444	150	N 50	700	N 500
183	7445	300	N 50	500	10000
184	7446	70	150	700	N 500
185	7447	50	2000	700	N 500
186	7448	20	N 50	500	N 500
187	7448D	30	N 50	700	N 500
188	7449	20	N 50	700	N 500
189	7450	20	N 50	700	N 500
190	7451	70	N 50	700	N 500
191	7452	50	N 50	700	2000
192	7453	150	N 50	1500	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	S-TI%
193	7454	CHW364	601722	1593100	60.28944	159.51670	30	0.7	0.3	< 0.5	> 20	0.7
194	7455	CHW365	601433	1593340	60.24250	159.56110	15	0.2	0.15	< 0.5	> 20	> 2
195	7456	CHY316	601056	1593119	60.18222	159.52190	1.5	0.1	0.07	< 0.5	3	0.3
196	7457	CHY317	601010	1593135	60.16945	159.52640	1.5	0.7	0.3	0.5	7	0.3
197	7458	CHY318	604740	1591208	60.79445	159.20220	5	0.5	0.3	3	1.5	0.15
198	7459	CHY319	605312	1590639	60.88667	159.11080	3	0.5	0.3	0.5	1.5	> 2
199	7459D	CHY320	605312	1590639	60.88667	159.11080	1.5	0.3	0.3	< 0.5	1.5	> 2
200	7460	CHY321	605526	1590746	60.92389	159.12940	3	0.3	0.5	< 0.5	2	> 2
201	8003	D-310379	604710	1600700	60.78611	160.11670	1.5	0.7	0.5	< 0.5	5	> 2
202	8004	D-310380	604606	1600710	60.76833	160.11940	1.5	0.7	0.5	< 0.5	3	> 2
203	8005	D-310381	604340	1600730	60.72778	160.12500	0.5	0.7	0.5	< 0.5	2	> 2
204	8025	D-311154	603657	1595729	60.61583	159.95810	5	2	0.7	< 0.5	3	> 2
205	8031	D-311161	602145	1592050	60.36250	159.34720	7	1.5	1	< 0.5	3	> 2
206	8031D	D-311162	602145	1592050	60.36250	159.34720	10	2	2	0.5	3	> 2
207	8032	D-311163	601917	1591500	60.32139	159.25000	20	2	1	< 0.5	< 0.5	2
208	8033	D-311164	601650	1591715	60.28056	159.28750	20	3	0.7	0.7	2	1.5
209	8034	D-311165	601648	1591721	60.28000	159.28920	20	3	1	0.7	0.7	1
210	8035	D-311166	601602	1592541	60.26722	159.42810	7	15	0.5	< 0.5	1	> 2
211	8037	D-311168	601338	1591641	60.22722	159.27810	7	15	0.2	< 0.5	1.5	> 2
212	8038	D-311169	601324	1591440	60.22333	159.24440	15	7	0.3	< 0.5	2	> 2
213	8039	D-311170	601500	1591302	60.25000	159.21720	15	0.7	0.15	< 0.5	3	0.2
214	8041	D-311172	601508	1591512	60.25222	159.25330	20	7	0.7	< 0.5	0.7	0.3
215	8042	D-311173	601532	1590931	60.25889	159.15860	20	2	0.5	0.5	3	> 2
216	8043	D-311174	601619	1590440	60.27195	159.07780	15	3	2	0.7	< 0.5	> 2
217	8052	D-311072	604558	1594210	60.76611	159.70280	1.5	15	2	0.7	1.5	> 2
218	8062	D-311080	605103	1592725	60.85083	159.45690	2	3	1.5	0.7	0.7	> 2
219	8065	D-311084	602430	1592755	60.40833	159.46530	5	20	1.5	0.7	1	1
220	8066	D-311085	602425	1592745	60.40694	159.46250	15	30	1.5	0.7	5	0.7
221	8069	D-311088	602625	1592055	60.44028	159.34860	20	15	0.5	0.5	7	0.3
222	8070	D-311089	602820	1591650	60.47222	159.28050	15	7	3	1	0.7	> 2
223	8071	D-311090	602900	1591600	60.48333	159.26670	20	3	1	0.7	3	0.7
224	8072	D-311091	603118	1592048	60.52167	159.34670	3	15	0.5	0.5	2	1
225	8073	D-311092	603123	1592058	60.52306	159.34940	0.7	10	0.15	< 0.5	0.7	0.3
226	8074	D-311093	603134	1591600	60.52611	159.26670	0.7	15	0.3	0.7	3	> 2
227	8075	D-311094	603218	1592048	60.53833	159.34670	1	5	0.7	0.7	0.7	0.5
228	8076	D-311095	603422	1592155	60.57278	159.36530	0.7	3	3	0.5	0.7	> 2
229	8077	D-311096	603512	1592650	60.58667	159.44720	H	3	7	0.5	3	> 2
230	8078	D-311097	603210	1593100	60.53611	159.51670	0.7	3	2	< 0.5	1	> 2
231	8079	D-311098	603114	1593012	60.52056	159.50330	1.5	15	0.2	< 0.5	1.5	0.3
232	8080	D-311099	603110	1593010	60.51944	159.50280	1	15	1.5	0.7	N 0.5	0.3
233	8081	D-311100	603100	1593131	60.51667	159.52530	1	7	0.3	< 0.5	0.7	0.15
234	8082	D-311101	602920	1592747	60.48889	159.46310	H	2	1.5	< 0.5	5	> 2
235	8083	D-311102	602915	1592752	60.48750	159.46440	0.5	1.5	0.7	< 0.5	3	1.5
236	8085	D-311103	601136	1590351	60.19333	159.06420	15	3	7	0.7	0.7	2
237	8086	D-311104	600845	1590110	60.14583	159.01940	20	7	0.3	< 0.5	20	0.3
238	8087	D-311185	600840	1590030	60.14444	159.00830	10	20	0.2	< 0.5	3	0.7
239	8089	D-311214	600535	1590500	60.09306	159.08330	50	3	1	1	20	> 2
240	8092	D-311190	600345	1590030	60.06250	159.00830	5	30	0.2	< 0.5	0.7	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
193	7454	N 1	N 500	N 20	30	3000	N 2	N 20	N 50	N 20	30	< 10	< 10
194	7455	N 1	N 500	N 20	30	150	N 2	N 20	N 50	N 20	70	< 10	< 10
195	7456	N 1	N 500	N 20	500	200	N 2	N 20	300	N 20	< 20	150	< 10
196	7457	N 1	N 500	N 20	20	300	N 2	N 20	150	N 20	30	300	< 10
197	7458	N 1	N 500	N 20	< 20	1500	3	N 20	N 50	N 20	30	< 10	30
198	7459	N 1	N 500	N 20	200	500	3	N 20	N 50	N 20	1000	15	< 10
199	7459D	N 1	N 500	N 20	200	700	3	70	N 50	N 20	1500	15	< 10
200	7460	N 1	N 500	N 20	300	700	3	N 20	N 50	30	1500	10	< 10
201	8003	N 1	N 500	N 20	150	> 10000	3	N 20	N 50	N 20	300	< 10	H
202	8004	N 1	N 500	N 20	70	7000	3	N 20	N 50	N 20	700	< 10	H
203	8005	N 1	N 500	N 20	100	3000	3	N 20	N 50	N 20	300	< 10	10
204	8025	N 1	N 500	N 20	70	1500	3	N 20	N 50	N 20	1000	30	< 10
205	8031	20	N 500	300	500	700	15	N 20	N 50	N 20	150	20	15
206	8031D	N 1	N 500	N 20	700	500	15	70	N 50	20	200	20	20
207	8032	N 1	N 500	N 20	1500	70	3	N 20	N 50	< 20	100	10	30
208	8033	< 1	N 500	N 20	1000	10000	3	N 20	N 50	< 20	70	20	20
209	8034	N 1	N 500	N 20	> 5000	150	5	N 20	N 50	30	100	20	30
210	8035	< 1	3000	N 20	2000	> 10000	N 2	N 20	N 50	50	50	70	H
211	8037	< 1	5000	N 20	1000	> 10000	N 2	N 20	N 50	50	< 20	150	H
212	8038	< 1	1500	N 20	> 5000	> 10000	3	N 20	N 50	30	30	100	15
213	8039	N 1	N 500	N 20	150	> 10000	N 2	N 20	N 50	< 20	< 20	15	< 10
214	8041	N 1	N 500	N 20	> 5000	> 10000	5	N 20	N 50	30	20	50	20
215	8042	N 1	N 500	N 20	1000	> 10000	3	N 20	N 50	< 20	100	30	15
216	8043	N 1	N 500	N 20	70	> 10000	10	N 20	N 50	< 20	20	20	20
217	8052	200	N 500	> 1000	70	> 10000	3	N 20	N 50	70	1500	500	H
218	8062	N 1	N 500	N 20	> 5000	700	3	N 20	N 50	< 20	150	50	20
219	8065	30	1500	700	150	1000	3	N 20	N 50	70	300	150	H
220	8066	3	700	N 20	70	> 10000	2	N 20	N 50	70	< 20	100	H
221	8069	1.5	3000	N 20	70	> 10000	2	N 20	N 50	70	< 20	150	H
222	8070	3	< 500	N 20	700	700	3	N 20	N 50	30	300	70	30
223	8071	5	N 500	N 20	200	150	3	> 2000	N 50	< 20	30	30	30
224	8072	1.5	700	N 20	50	> 10000	N 2	N 20	N 50	100	30	70	H
225	8073	1	N 500	N 20	< 20	> 10000	N 2	N 20	N 50	30	< 20	30	H
226	8074	1.5	15000	N 20	150	> 10000	N 2	300	N 50	70	30	70	H
227	8075	1	N 500	N 20	30	> 10000	N 2	N 20	N 50	30	70	50	H
228	8076	10	N 500	N 20	< 20	> 10000	N 2	> 2000	70	< 20	300	50	15
229	8077	N 1	N 500	N 20	< 20	1500	N 2	30	100	30	1000	< 10	15
230	8078	N 1	N 500	N 20	70	> 10000	N 2	N 20	100	20	500	10	15
231	8079	1	N 500	N 20	< 20	> 10000	N 2	N 20	70	30	70	30	H
232	8080	1.5	N 500	N 20	30	> 10000	N 2	N 20	N 50	70	150	200	H
233	8081	1	N 500	N 20	< 20	> 10000	N 2	N 20	N 50	30	20	15	H
234	8082	N 1	N 500	N 20	2000	> 10000	N 2	N 20	150	< 20	30	10	H
235	8083	20	N 500	N 20	100	1500	N 2	300	150	< 20	< 20	15	H
236	8085	1	N 500	N 20	3000	5000	N 2	N 20	N 50	30	500	30	10
237	8086	2	N 500	N 20	300	> 10000	N 2	N 20	70	< 20	70	150	< 10
238	8087	7	N 500	N 20	30	> 10000	N 2	N 20	N 50	70	50	500	H
239	8089	N 1	N 500	N 20	1500	> 10000	2	N 20	N 50	< 20	500	70	< 10
240	8092	1.5	N 500	N 20	300	5000	N 2	N 20	N 50	100	20	150	H

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
193	7454	N 20	1500	1000	N 10	< 50	< 10	< 20	N 200	20	N 20	700	N 200
194	7455	N 20	1000	300	< 10	100	< 10	< 20	N 200	70	70	300	N 200
195	7456	N 20	300	150	20	N 50	N 10	N 20	N 200	50	N 20	N 200	N 200
196	7457	N 20	300	300	50	50	< 10	< 20	N 200	30	N 20	< 200	N 200
197	7458	N 20	100	150	N 10	< 50	< 10	20	N 200	N 10	150	1000	N 200
198	7459	N 20	150	150	< 10	70	< 10	70	N 200	70	150	< 200	N 200
199	7459D	N 20	150	150	N 10	100	< 10	70	N 200	70	1500	200	N 200
200	7460	N 20	300	150	< 10	100	< 10	70	N 200	100	150	< 200	N 200
201	8003	N 20	300	200	N 10	100	10	70	N 200	70	30	1500	N 200
202	8004	N 20	300	200	N 10	100	< 10	50	N 200	70	30	700	H
203	8005	N 20	300	150	N 10	100	15	70	N 200	70	30	700	H
204	8025	N 20	300	1000	N 10	150	15	50	N 200	100	100	700	N 200
205	8031	N 20	200	1000	N 10	150	15	70	5000	70	700	300	300
206	8031D	N 20	700	1500	N 10	100	15	70	7000	70	N 20	700	300
207	8032	N 20	N 100	1500	10	< 50	15	< 20	N 200	30	N 20	300	N 200
208	8033	N 20	150	1500	15	< 50	20	< 20	N 200	30	200	500	N 200
209	8034	N 20	< 100	2000	15	< 50	30	20	N 200	30	N 20	300	N 200
210	8035	N 20	< 100	500	N 10	< 50	70	70	15000	20	N 20	1500	N 200
211	8037	N 20	N 100	500	N 10	50	150	70	N 200	30	N 20	700	N 200
212	8038	N 20	< 100	1000	N 10	< 50	150	50	N 200	20	N 20	700	N 200
213	8039	N 20	< 100	2000	N 10	< 50	15	< 20	N 200	N 10	N 20	7000	N 200
214	8041	N 20	N 100	3000	50	< 50	70	20	N 200	15	N 20	300	N 200
215	8042	N 20	< 100	1500	N 10	< 50	30	< 20	N 200	20	N 20	1500	N 200
216	8043	N 20	100	1500	N 10	70	15	30	N 200	30	N 20	300	N 200
217	8052	N 20	200	7000	N 10	50	150	70	N 200	30	N 20	500	N 200
218	8062	N 20	< 100	1500	N 10	50	50	20	N 200	30	N 20	300	N 200
219	8065	N 20	150	3000	20	70	100	150	3000	30	N 20	< 200	N 200
220	8066	N 20	500	700	N 10	< 50	70	150	300	15	30	300	N 200
221	8069	N 20	150	3000	N 10	< 50	70	70	N 200	15	N 20	1000	N 200
222	8070	N 20	< 100	7000	15	70	50	70	N 200	50	< 20	300	N 200
223	8071	N 20	150	3000	15	< 50	15	50	N 200	15	700	300	N 200
224	8072	N 20	< 100	500	100	< 50	150	150	N 200	10	N 20	< 200	N 200
225	8073	N 20	N 100	300	30	< 50	70	50	N 200	< 10	N 20	5000	N 200
226	8074	N 20	150	1000	700	50	100	150	N 200	20	2000	300	N 200
227	8075	N 20	N 100	2000	70	< 50	70	30	N 200	15	N 20	3000	N 200
228	8076	N 20	N 100	500	N 10	< 50	70	200	N 200	15	N 20	700	N 200
229	8077	N 20	300	2000	15	< 50	70	< 20	N 200	70	70	< 200	N 200
230	8078	N 20	300	1500	N 10	< 50	30	< 20	N 200	30	N 20	1500	N 200
231	8079	N 20	N 100	1500	N 10	< 50	70	< 20	N 200	10	N 20	2000	N 200
232	8080	N 20	N 100	2000	70	< 50	150	30	N 200	15	N 20	700	N 200
233	8081	N 20	N 100	700	N 10	< 50	50	< 20	N 200	< 10	N 20	5000	N 200
234	8082	N 20	300	3000	N 10	< 50	< 10	< 20	N 200	50	50	300	N 200
235	8083	N 20	150	1000	N 10	< 50	< 10	150	N 200	30	N 20	< 200	N 200
236	8085	N 20	N 100	1500	N 10	50	150	70	N 200	30	N 20	300	N 200
237	8086	N 20	100	300	15	< 50	50	70	N 200	10	N 20	1500	N 200
238	8087	N 20	< 100	200	70	< 50	200	200	N 200	< 10	N 20	700	N 200
239	8089	N 20	200	700	< 10	< 50	70	50	N 200	20	N 20	7000	N 200
240	8092	N 20	N 100	300	N 10	< 50	200	70	N 200	15	N 20	N 200	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
193	7454	70	N 50	1000	N 500
194	7455	70	150	1000	N 500
195	7456	< 20	N 50	300	N 500
196	7457	30	15000	300	N 500
197	7458	20	N 50	70	N 500
198	7459	700	N 50	70	N 500
199	7459D	700	N 50	100	N 500
200	7460	700	N 50	100	N 500
201	8003	700	70	200	N 500
202	8004	700	70	200	N 500
203	8005	700	70	200	N 500
204	8025	700	N 50	200	N 500
205	8031	700	20000	500	N 500
206	8031D	700	10000	300	N 500
207	8032	300	N 50	50	N 500
208	8033	200	N 50	150	N 500
209	8034	300	N 50	70	N 500
210	8035	200	N 50	100	2000
211	8037	150	N 50	70	1500
212	8038	150	100	150	N 500
213	8039	50	N 50	100	N 500
214	8041	200	N 50	50	N 500
215	8042	200	N 50	150	N 500
216	8043	150	N 50	100	N 500
217	8052	200	300	70	N 500
218	8062	300	N 50	70	N 500
219	8065	150	> 20000	100	N 500
220	8066	70	700	300	N 500
221	8069	70	N 50	150	N 500
222	8070	150	N 50	100	N 500
223	8071	70	150	150	N 500
224	8072	50	70	150	N 500
225	8073	20	N 50	70	2000
226	8074	70	2000	200	N 500
227	8075	70	N 50	70	N 500
228	8076	150	N 50	100	1500
229	8077	150	N 50	700	N 500
230	8078	150	150	200	1500
231	8079	30	N 50	100	2000
232	8080	50	N 50	50	N 500
233	8081	< 20	N 50	70	500
234	8082	150	700	700	N 500
235	8083	30	1000	700	N 500
236	8085	150	N 50	70	N 500
237	8086	150	N 50	300	2000
238	8087	150	N 50	150	7000
239	8089	300	N 50	500	N 500
240	8092	150	N 50	70	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	S-TI%
241	8094	D-311192	600135	1591250	60.02639	159.21390	7	5	0.15	< 0.5	1.5	0.15
242	8097	D-311195	600151	1591820	60.03083	159.30560	10	15	0.15	< 0.5	2	0.3
243	8098	D-311196	600141	1591800	60.02806	159.30000	10	15	0.2	< 0.5	2	0.2
244	8099	D-311197	600412	1591435	60.07000	159.24310	20	15	0.7	0.5	1.5	2
245	8100	D-311198	601215	1592420	60.20417	159.40550	1.5	15	0.3	0.5	1.5	0.15
246	8104	D-311215	605619	1595900	60.93861	159.98330	5	7	3	1	3	> 2
247	8109	D-311218	605648	1600910	60.94667	160.15280	15	10	7	1	0.5	> 2
248	8114	D-311220	610345	1600815	61.06250	160.13750	15	2	0.2	< 0.5	0.7	> 2
249	8115	D-311221	610724	1600720	61.12333	160.12220	7	3	5	1.5	1.5	> 2
250	8117	D-311222	610720	1595917	61.12222	159.98810	15	2	1.5	< 0.5	0.7	> 2
251	8118	D-311223	610613	1595838	61.10361	159.97720	15	1	0.15	< 0.5	0.7	> 2
252	8119	D-311224	610505	1595852	61.08472	159.98110	1.5	1	0.1	< 0.5	0.7	> 2
253	8121	D-311225	610212	1594942	61.03667	159.82830	15	7	1.5	0.7	< 0.5	> 2
254	8122	D-311226	610418	1594650	61.07167	159.78050	15	7	7	0.7	3	> 2
255	8123	D-313889	610211	1600242	61.03639	160.04500	1	0.5	< 0.05	< 0.5	0.7	> 2
256	8124	D-313890	610158	1600235	61.03278	160.04310	1	0.5	< 0.05	< 0.5	1	> 2
257	8125	D-313891	610020	1600457	61.00555	160.08250	0.5	0.3	< 0.05	< 0.5	1.5	0.3
258	8126	D-313892	603111	1600609	60.51972	160.10250	2	1	1	< 0.5	3	> 2
259	8127	D-313893	603104	1600610	60.51778	160.10280	3	1	2	1	N 1	2
260	8128	D-313894	603408	1600351	60.56889	160.06420	5	2	1	0.7	3	> 2
261	8129	D-313895	603446	1595425	60.57944	159.90700	7	7	3	< 1	5	> 2
262	8130	D-313896	603418	1595657	60.57167	159.94920	1	0.7	0.7	< 0.5	3	> 2
263	8133	D-313899	603136	1594926	60.52667	159.82390	2	2	0.3	< 0.5	2	> 2
264	8134	D-313900	603024	1594716	60.50667	159.78780	10	3	0.5	< 0.5	5	> 2
265	8137	D-313903	601400	1605709	60.23333	160.95250	1	0.7	0.5	< 0.5	3	> 2
266	8139	D-313905	600704	1605154	60.11778	160.86500	1	2	0.7	0.7	0.7	> 2
267	8140	D-313906	600930	1604456	60.15833	160.74890	1.5	1	0.7	1.5	1.5	> 2
268	8141	D-313907	601128	1604235	60.19111	160.70970	2	1	0.3	< 1	7	> 2
269	8142	D-313908	600609	1604259	60.10250	160.71640	1.5	0.5	0.5	< 0.5	0.7	> 2
270	8143	D-313909	600316	1604505	60.05444	160.75140	15	0.7	0.7	< 0.5	5	> 2
271	8144	D-313910	600029	1605105	60.00806	160.85140	15	1	0.7	< 0.5	3	> 2
272	8145	D-311484	600020	1605030	60.00555	160.84170	0.5	0.2	0.15	< 0.5	1.5	> 2
273	8147	D-311486	600748	1590924	60.13000	159.15670	15	7	0.2	0.5	7	> 2
274	8148	D-311487	600800	1591225	60.13334	159.20690	0.5	20	< 0.05	< 0.5	0.7	0.15
275	8149	D-311488	601025	1591130	60.17361	159.19170	15	15	0.2	1.5	10	1
276	8150	D-311489	601150	1591230	60.19722	159.20830	15	15	0.15	0.7	7	1.5
277	8151	D-311490	601229	1592025	60.20806	159.34030	30	3	0.7	1	7	0.3
278	8152	D-311491	601130	1591925	60.19167	159.32360	10	30	0.2	0.5	3	0.2
279	8153	D-311492	601008	1592325	60.16889	159.39030	20	15	0.5	< 0.5	5	0.15
280	8155	D-311493	600754	1592525	60.13167	159.42360	7	30	0.5	0.5	1.5	0.3
281	8157	D-311495	600818	1593040	60.13833	159.51110	30	15	2	1.5	15	0.3
282	8159	D-311497	600513	1592755	60.08694	159.46530	2	1	0.15	< 0.5	1	0.07
283	8160	D-311498	600600	1593320	60.10000	159.55560	10	7	0.7	0.5	3	0.2
284	8161	D-311499	600510	1593610	60.08611	159.60280	30	5	3	0.7	3	> 2
285	8162	D-311500	600431	1593745	60.07528	159.62920	20	7	7	0.7	1.5	1.5
286	8163	D-311501	600709	1593924	60.11917	159.65670	15	2	3	0.7	10	> 2
287	8164	D-311502	603110	1603341	60.51944	160.56140	2	2	1	< 0.5	2	> 2
288	8166	D-311503	603630	1603802	60.60833	160.63390	20	3	3	0.5	0.7	2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
241	8094	1.5	N 500	N 20	300	> 10000	N 2	N 20	N 50	20	< 20	70	H
242	8097	N 1	N 500	N 20	1500	> 10000	2	N 20	N 50	70	< 20	150	H
243	8098	N 1	N 500	N 20	1000	> 10000	N 2	N 20	N 50	70	< 20	70	H
244	8099	5	N 500	N 20	2000	> 10000	3	< 20	N 50	70	70	300	H
245	8100	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	30	< 20	70	H
246	8104	N 1	N 500	N 20	150	10000	3	N 20	N 50	30	3000	70	15
247	8109	N 1	N 500	N 20	200	1500	N 2	N 20	N 50	30	3000	70	20
248	8114	N 1	700	N 20	30	150	N 2	1000	N 50	N 20	100	150	< 10
249	8115	N 1	N 500	N 20	150	700	3	N 20	N 50	30	1500	15	15
250	8117	5	700	N 20	70	300	N 2	1500	N 50	N 20	300	H	< 10
251	8118	3	N 500	N 20	50	300	N 2	> 2000	N 50	N 20	30	70	< 10
252	8119	N 1	N 500	N 20	70	150	N 2	1500	N 50	N 20	30	H	< 10
253	8121	N 1	N 500	N 20	70	500	N 2	30	N 50	20	20	70	30
254	8122	N 1	N 500	N 20	150	700	3	< 20	N 50	50	1000	150	15
255	8123	N 1	N 500	N 20	< 20	300	N 2	150	N 50	N 20	< 20	< 10	< 10
256	8124	N 1	N 500	N 20	< 20	300	N 2	700	N 50	N 20	< 20	< 10	< 10
257	8125	N 1	N 500	N 20	< 20	300	N 2	N 20	N 50	N 20	< 20	< 10	< 10
258	8126	N 1	N 500	N 20	100	3000	3	N 20	N 50	N 20	700	15	10
259	8127	N 2	N 1000	N 50	70	700	N 5	N 50	N 100	N 50	300	20	< 20
260	8128	N 1	N 500	N 20	150	2000	3	N 20	N 50	20	300	70	15
261	8129	N 2	N 1000	N 50	1500	700	5	N 50	N 100	50	150	100	< 20
262	8130	N 1	700	N 20	150	500	3	N 20	N 50	N 20	70	10	< 10
263	8133	N 1	N 500	N 20	150	> 10000	N 2	N 20	N 50	< 20	500	20	< 10
264	8134	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	50	100	70	< 10
265	8137	100	N 500	> 1000	70	3000	3	N 20	N 50	N 20	150	< 10	10
266	8139	N 1	N 500	N 20	100	700	3	N 20	N 50	20	500	< 10	15
267	8140	N 1	N 500	N 20	700	700	5	N 20	N 50	< 20	150	< 10	15
268	8141	N 2	N 1000	N 50	1000	700	N 5	N 50	N 100	N 50	70	< 20	< 20
269	8142	N 1	N 500	N 20	70	500	N 2	N 20	N 50	N 20	150	< 10	< 10
270	8143	N 1	N 500	N 20	70	10000	3	N 20	N 50	N 20	150	< 10	15
271	8144	N 1	N 500	N 20	70	500	N 2	N 20	N 50	N 20	150	< 10	15
272	8145	N 1	N 500	N 20	30	3000	N 2	N 20	N 50	N 20	150	< 10	< 10
273	8147	1.5	N 500	N 20	200	> 10000	N 2	N 20	N 50	50	150	100	< 10
274	8148	1.5	N 500	N 20	< 20	> 10000	N 2	N 20	N 50	70	< 20	300	H
275	8149	1.5	500	N 20	500	> 10000	3	N 20	N 50	70	50	150	15
276	8150	1	700	N 20	700	> 10000	N 2	N 20	N 50	70	70	150	H
277	8151	N 1	N 500	N 20	700	1000	5	N 20	N 50	20	< 20	50	30
278	8152	2	N 500	N 20	500	700	N 2	N 20	N 50	70	< 20	150	H
279	8153	1	2000	N 20	50	> 10000	2	N 20	N 50	30	30	30	H
280	8155	3	N 500	N 20	30	7000	N 2	N 20	N 50	200	< 20	150	H
281	8157	N 1	1500	N 20	100	10000	3	N 20	N 50	50	1000	70	15
282	8159	N 1	N 500	N 20	300	> 10000	N 2	N 20	N 50	< 20	< 20	10	< 10
283	8160	1	N 500	N 20	30	> 10000	N 2	N 20	N 50	30	50	20	< 10
284	8161	N 1	N 500	N 20	> 5000	> 10000	3	N 20	N 50	30	300	70	15
285	8162	< 1	N 500	N 20	300	> 10000	2	N 20	N 50	50	1500	50	15
286	8163	N 1	N 500	N 20	30	1500	N 2	N 20	N 50	< 20	150	< 10	10
287	8164	N 1	N 500	700	300	3000	3	N 20	N 50	N 20	700	< 10	10
288	8166	N 1	N 500	N 20	100	700	N 2	N 20	N 50	< 20	500	10	100

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
241	8094	N 20	N 100	500	N 10	< 50	30	150	N 200	N 10	N 20	7000	N 200
242	8097	N 20	< 100	700	15	< 50	100	50	N 200	N 10	30	7000	N 200
243	8098	N 20	< 100	700	15	< 50	100	200	N 200	N 10	30	10000	N 200
244	8099	N 20	< 100	500	30	< 50	150	1500	N 200	15	N 20	700	N 200
245	8100	N 20	N 100	700	30	< 50	70	50	N 200	< 10	N 20	3000	N 200
246	8104	N 20	500	3000	< 10	70	70	100	N 200	70	20	2000	N 200
247	8109	N 20	300	3000	< 10	70	70	20	N 200	150	< 20	700	N 200
248	8114	N 20	> 2000	2000	500	500	< 10	70	N 200	H	300	N 200	1000
249	8115	N 20	150	1500	< 10	70	50	70	N 200	70	< 20	700	N 200
250	8117	N 20	700	1500	10	150	< 10	70	N 200	100	200	200	700
251	8118	N 20	1500	1500	300	300	< 10	500	N 200	150	300	200	1500
252	8119	N 20	1000	700	100	150	< 10	70	N 200	100	150	200	700
253	8121	N 20	N 100	2000	N 10	< 50	15	30	N 200	70	N 20	1500	N 200
254	8122	N 20	500	2000	N 10	70	70	20	N 200	100	< 20	700	N 200
255	8123	N 20	500	500	20	70	< 10	20	N 200	100	70	< 200	700
256	8124	N 20	700	700	700	70	< 10	30	N 200	70	50	< 200	300
257	8125	N 20	150	150	30	< 50	< 10	< 20	N 200	100	N 20	< 200	1500
258	8126	N 20	150	1000	N 10	150	15	70	N 200	70	N 20	1500	N 200
259	8127	N 20	N 200	700	N 20	150	30	< 50	N 500	20	N 50	< 500	N 500
260	8128	N 20	300	1500	N 10	150	50	70	N 200	70	< 20	1500	N 200
261	8129	N 20	< 200	7000	N 20	150	100	< 50	N 500	70	N 50	< 500	N 500
262	8130	N 20	150	700	N 10	300	< 10	30	N 200	50	N 20	700	N 200
263	8133	N 20	N 100	1500	N 10	70	20	30	N 200	15	N 20	3000	N 200
264	8134	N 20	150	700	N 10	70	150	70	N 200	20	< 20	7000	N 200
265	8137	N 20	700	700	N 10	50	< 10	< 20	N 200	70	30	300	N 200
266	8139	N 20	300	1000	N 10	100	30	20	N 200	50	< 20	300	N 200
267	8140	N 20	1000	700	N 10	100	20	20	N 200	70	< 20	1000	N 200
268	8141	N 20	700	1000	N 20	150	20	< 50	N 500	70	20	700	N 500
269	8142	N 20	N 100	500	N 10	70	15	< 20	N 200	30	N 20	300	N 200
270	8143	N 20	150	1500	15	70	15	70	N 200	50	< 20	1500	N 200
271	8144	N 20	100	1500	N 10	< 50	15	< 20	N 200	20	N 20	300	N 200
272	8145	N 20	N 100	500	N 10	50	< 10	30	N 200	50	N 20	< 200	N 200
273	8147	N 20	150	200	N 10	50	100	150	N 200	20	N 20	2000	N 200
274	8148	N 20	N 100	100	N 10	< 50	150	50	N 200	N 10	N 20	5000	N 200
275	8149	N 20	150	2000	N 10	< 50	100	200	N 200	20	N 20	1500	N 200
276	8150	N 20	< 100	700	N 10	70	150	50	N 200	15	N 20	3000	N 200
277	8151	N 20	300	3000	15	< 50	20	< 20	N 200	15	N 20	700	N 200
278	8152	N 20	100	300	N 10	< 50	150	100	N 200	< 10	N 20	< 200	N 200
279	8153	N 20	200	1500	N 10	< 50	50	20	N 200	15	N 20	5000	N 200
280	8155	N 20	N 100	300	N 10	< 50	200	200	500	15	N 20	< 200	N 200
281	8157	N 20	300	3000	30	< 50	70	20	N 200	30	N 20	700	N 200
282	8159	N 20	< 100	700	10	< 50	15	N 20	N 200	N 10	N 20	> 10000	N 200
283	8160	N 20	150	1500	30	< 50	70	20	N 200	< 10	N 20	> 10000	N 200
284	8161	N 20	150	1500	N 10	< 50	70	30	N 200	30	N 20	1000	N 200
285	8162	N 20	N 100	1500	15	< 50	150	< 20	N 200	50	N 20	1000	N 200
286	8163	N 20	300	1000	N 10	< 50	15	< 20	N 200	50	N 20	500	N 200
287	8164	N 20	300	700	30	70	15	70	N 200	70	N 20	1000	N 200
288	8166	N 20	N 100	1500	N 10	< 50	15	< 20	N 200	30	N 20	300	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
241	8094	70	N 50	70	N 500
242	8097	70	N 50	70	N 500
243	8098	70	N 50	100	H
244	8099	300	N 50	70	N 500
245	8100	50	N 50	70	N 500
246	8104	300	70	150	N 500
247	8109	700	N 50	200	N 500
248	8114	700	10000	1500	N 500
249	8115	700	70	100	N 500
250	8117	700	150	700	N 500
251	8118	700	15000	700	N 500
252	8119	300	300	700	N 500
253	8121	700	N 50	70	N 500
254	8122	500	N 50	300	N 500
255	8123	200	N 50	700	N 500
256	8124	200	7000	300	N 500
257	8125	30	100	300	N 500
258	8126	300	N 50	200	N 500
259	8127	70	N 100	30	N 1000
260	8128	300	N 50	300	N 500
261	8129	500	N 100	150	N 1000
262	8130	300	150	300	N 500
263	8133	150	N 50	100	N 500
264	8134	300	N 50	200	10000
265	8137	200	N 50	500	N 500
266	8139	300	N 50	150	N 500
267	8140	500	N 50	150	N 500
268	8141	300	N 100	300	N 1000
269	8142	300	N 50	300	N 500
270	8143	500	N 50	700	N 500
271	8144	100	N 50	300	N 500
272	8145	300	N 50	500	N 500
273	8147	200	N 50	200	N 500
274	8148	< 20	N 50	20	N 500
275	8149	300	5000	200	N 500
276	8150	150 >	20000	150	N 500
277	8151	200	70	300	N 500
278	8152	70	N 50	100	N 500
279	8153	100	N 50	150	N 500
280	8155	100	70	70	1500
281	8157	200	300	300	N 500
282	8159	30	N 50	70	N 500
283	8160	70	500	150	N 500
284	8161	700	N 50	100	N 500
285	8162	300	N 50	70	N 500
286	8163	300	N 50	500	N 500
287	8164	300	150	500	N 500
288	8166	700	N 50	100	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	i-TI%
289	8169	D-311340	602940	1601444	60.49445	160.24560	15	3	3	1.5	< 0.5	> 2
290	8170	D-311341	602716	1601829	60.45444	160.30810	15	7	3	1.5	0.7	> 2
291	8171	D-311342	602416	1601435	60.40445	160.24310	15	7	7	1.5	0.7	> 2
292	8172	D-311343	602252	1601437	60.38111	160.24360	20	10	7	1.5	N 0.5	1.5
293	8173	D-311344	601907	1602048	60.31861	160.34670	20	5	3	1.5	0.7	> 2
294	8176	D-311347	602220	1601054	60.37222	160.18170	10	5	3	0.7	5	> 2
295	8177	D-311348	602426	1601017	60.40722	160.17140	15	7	3	1.5	0.7	> 2
296	8181	D-311352	602202	1595840	60.36722	159.97780	1.5	1	1	< 0.5	3	> 2
297	8192	D-312815	602848	1594955	60.48000	159.83190	2	10	0.7	< 0.5	1.5	1.5
298	8193	D-312816	603238	1594630	60.54389	159.77500	3	7	3	< 0.5	3	> 2
299	8194	D-312817	603238	1594602	60.54389	159.76720	1.5	10	1.5	< 0.5	1.5	> 2
300	8196	D-312819	603412	1604820	60.57000	160.80560	30	5	7	0.7	3	> 2
301	8197	D-312820	603118	1604712	60.52167	160.78670	15	7	7	0.7	0.7	> 2
302	8198	D-312821	603018	1604536	60.50500	160.76000	15	5	3	0.7	0.7	> 2
303	8200	D-312822	605043	1592250	60.84528	159.38060	3	2	2	0.7	3	> 2
304	8201	D-312823	605043	1592238	60.84528	159.37720	15	1	2	< 0.5	3	> 2
305	8202	D-312824	604935	1591912	60.82639	159.32000	20	5	5	1	5	> 2
306	8202D	D-312825	604935	1591912	60.82639	159.32000	20	2	3	0.7	10	> 2
307	8203	D-312914	604930	1592315	60.82500	159.38750	7	2	0.7	< 0.7	3	> 2
308	8207	D-312917	600503	1605412	60.08417	160.90330	7	1	0.5	< 0.5	1	> 2
309	8208	D-312918	600241	1605459	60.04472	160.91640	2	1	0.7	< 0.5	0.7	> 2
310	8212	D-312921	600117	1610131	60.02139	161.02530	0.7	0.7	0.5	< 0.5	2	> 2
311	8213	D-312922	600244	1604346	60.04556	160.72940	2	2	0.5	0.5	5	> 2
312	8214	D-312923	600420	1604020	60.07222	160.67220	1	0.5	0.15	< 0.5	3	> 2
313	8215	D-312924	600416	1604030	60.07111	160.67500	2	0.5	0.1	< 0.5	7	> 2
314	8216	D-312925	600320	1603919	60.05556	160.65530	15	0.5	0.2	< 0.5	7	> 2
315	8218	D-312927	600203	1603428	60.03417	160.57440	3	7	1	0.5	3	> 2
316	8220	D-312929	600250	1603315	60.04722	160.55420	0.7	0.5	0.2	< 0.5	1.5	> 2
317	8223	D-312932	600425	1603458	60.07361	160.58280	0.7	0.5	0.15	< 0.5	3	> 2
318	8226	D-312933	600717	1603443	60.12139	160.57860	30	1.5	0.5	0.7	15	> 2
319	8227	D-312934	601008	1603425	60.16889	160.57360	20	0.5	0.3	0.7	7	> 2
320	8228	D-312935	600712	1602923	60.12000	160.48970	1	0.5	0.3	< 0.5	1.5	> 2
321	8230	D-312937	610851	1593620	61.14750	159.60560	20	5	7	0.7	0.7	> 2
322	8231	D-312938	610845	1593610	61.14583	159.60280	15	3	3	1	0.7	> 2
323	8232	D-312939	611401	1592846	61.23361	159.47940	20	1.5	2	1	2	> 2
324	8233	D-312940	611408	1592830	61.23555	159.47500	20	1	2	1	3	> 2
325	8234	D-312941	611008	1592459	61.16889	159.41640	20	3	2	1	3	> 2
326	8235	D-312942	610640	1592413	61.11111	159.40360	1.5	0.7	0.5	< 0.5	3	> 2
327	8237	D-312944	603700	1592145	60.61666	159.36250	15	3	0.5	0.5	7	> 2
328	8238	D-312945	603724	1591710	60.62333	159.28610	15	3	1.5	1.5	5	> 2
329	8239	D-313287	603546	1591415	60.59611	159.23750	7	15	0.2	< 0.5	5	> 2
330	8240	D-313288	603005	1590429	60.50139	159.07470	20	3	0.7	0.7	5	> 2
331	8243	D-313289	603348	1590240	60.56333	159.04440	20	2	0.5	1	10	> 2
332	8244	D-313290	603346	1610212	60.56278	161.03670	10	2	0.7	0.7	2	> 2
333	8245	D-313291	600015	1602159	60.00417	160.36640	15	3	1	1	0.7	> 2
334	8246	D-313292	600307	1602051	60.05194	160.34750	15	3	2	1	3	> 2
335	8247	D-313293	600503	1601800	60.08417	160.30000	10	7	0.7	< 0.5	3	> 2
336	8248	D-313294	600509	1601805	60.08583	160.30140	15	3	1	0.7	3	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
289	8169	N 1	500	N 20	70	700	N 2	N 20	N 50	30	3000	< 10	15
290	8170	N 1	N 500	N 20	30	700	N 2	N 20	N 50	30	700	15	30
291	8171	N 1	N 500	N 20	300	7000	N 2	N 20	N 50	70	700	70	20
292	8172	N 1	N 500	N 20	30	1500	N 2	N 20	N 50	70	700	70	30
293	8173	N 1	N 500	N 20	70	300	N 2	N 20	N 50	30	500	10	20
294	8176	N 1	N 500	N 20	150	> 10000	3	N 20	N 50	30	3000	70	15
295	8177	N 1	N 500	N 20	1500	> 10000	3	N 20	N 50	50	300	100	20
296	8181	N 1	N 500	N 20	30	> 10000	N 2	N 20	N 50	N 20	150	1000	< 10
297	8192	3	N 500	N 20	70	> 10000	< 2	N 20	N 50	70	150	100	< 10
298	8193	N 1	N 500	N 20	100	> 10000	2	N 20	N 50	30	5000	70	15
299	8194	1.5	N 500	N 20	100	> 10000	2	N 20	N 50	70	3000	70	15
300	8196	N 1	N 500	N 20	70	1500	N 2	N 20	N 50	30	300	< 10	20
301	8197	N 1	N 500	N 20	70	700	N 2	N 20	N 50	50	700	10	20
302	8198	N 1	N 500	N 20	100	1500	N 2	N 20	N 50	20	1500	< 10	30
303	8200	N 1	N 500	N 20	300	> 10000	5	N 20	N 50	30	200	15	20
304	8201	5	700	N 20	700	700	10	150	N 50	< 20	3000	10	15
305	8202	1.5	N 500	N 20	300	3000	3	1000	N 50	20	1500	10	15
306	8202D	1	N 500	N 20	150	10000	2	2000	N 50	< 20	1500	15	15
307	8203	N 1.5	N 700	N 30	> 5000	300	N 3	N 30	N 70	< 30	150	20	< 15
308	8207	N 1	N 500	N 20	150	1500	3	N 20	N 50	N 20	300	< 10	10
309	8208	N 1	N 500	N 20	150	1500	3	N 20	N 50	30	700	15	15
310	8212	N 1	N 500	N 20	300	1500	7	N 20	N 50	30	500	< 10	10
311	8213	N 1	N 500	N 20	150	7000	3	N 20	N 50	< 20	150	150	10
312	8214	N 1	N 500	N 20	30	3000	N 2	N 20	N 50	30	300	< 10	< 10
313	8215	N 1	N 500	N 20	30	1500	N 2	N 20	N 50	< 20	150	< 10	< 10
314	8216	N 1	N 500	N 20	20	300	N 2	N 20	N 50	N 20	300	< 10	< 10
315	8218	N 1	N 500	N 20	150	5000	5	N 20	N 50	30	500	30	15
316	8220	N 1	N 500	N 20	70	300	2	N 20	N 50	< 20	150	< 10	< 10
317	8223	N 1	N 500	N 20	50	300	2	N 20	N 50	N 20	150	< 10	< 10
318	8226	N 1	N 500	N 20	20	150	N 2	N 20	N 50	< 20	150	< 10	15
319	8227	N 1	N 500	N 20	20	150	N 2	N 20	N 50	N 20	150	< 10	< 10
320	8228	N 1	N 500	N 20	70	3000	2	N 20	N 50	N 20	150	< 10	< 10
321	8230	100	N 500	300	50	300	2	N 20	N 50	50	1500	15	20
322	8231	N 1	N 500	N 20	50	3000	N 2	N 20	N 50	20	1000	10	20
323	8232	N 1	N 500	N 20	50	150	N 2	N 20	N 50	N 20	300	< 10	15
324	8233	N 1	700	N 20	50	300	3	N 20	N 50	N 20	300	< 10	20
325	8234	N 1	N 500	N 20	50	700	N 2	N 20	N 50	< 20	300	< 10	15
326	8235	N 1	N 500	N 20	150	2000	3	N 20	N 50	N 20	500	< 10	10
327	8237	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	< 20	1000	30	< 10
328	8238	300	N 500	300	150	1500	3	N 20	N 50	< 20	300	10	20
329	8239	10	N 500	N 20	70	> 10000	3	500	N 50	70	150	1000	H
330	8240	N 1	N 500	30	70	700	3	N 20	N 50	< 20	150	70	20
331	8243	N 1	N 500	N 20	20	300	N 2	N 20	N 50	20	150	100	15
332	8244	N 1	N 500	N 20	70	300	N 2	N 20	N 50	N 20	150	15	15
333	8245	N 1	N 500	N 20	50	> 10000	3	N 20	N 50	N 20	500	70	20
334	8246	N 1	N 500	N 20	500	300	N 2	N 20	N 50	< 20	150	30	20
335	8247	N 1	N 500	N 20	500	> 10000	3	N 20	N 50	70	150	150	15
336	8248	N 1	N 500	N 20	200	7000	7	N 20	N 50	20	150	100	20

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
289	8169	N 20	< 100	1500	N 10	70	70	30	N 200	30	N 20	1500	N 200
290	8170	N 20	N 100	1500	N 10	70	50	< 20	N 200	50	N 20	700	N 200
291	8171	N 20	150	2000	N 10	70	150	20	N 200	70	N 20	300	N 200
292	8172	N 20	N 100	3000	N 10	< 50	150	< 20	N 200	70	N 20	500	N 200
293	8173	N 20	300	2000	15	150	70	30	N 200	50	30	700	N 200
294	8176	N 20	150	700	20	70	70	70	1000	30	N 20	3000	N 200
295	8177	N 20	150	1500	N 10	70	100	500	N 200	70	N 20	300	N 200
296	8181	N 20	< 100	700	N 10	70	15	70	N 200	70	N 20	1500	N 200
297	8192	N 20	< 100	5000	N 10	< 50	150	200	N 200	20	N 20	7000	N 200
298	8193	N 20	N 100	5000	N 10	70	100	50	N 200	50	N 20	2000	N 200
299	8194	N 20	150	7000	N 10	50	100	50	N 200	30	N 20	5000	N 200
300	8196	N 20	300	3000	N 10	70	30	< 20	N 200	70	30	500	N 200
301	8197	N 20	< 100	3000	N 10	< 50	100	30	N 200	70	N 20	700	N 200
302	8198	N 20	150	2000	N 10	< 50	30	30	N 200	70	N 20	700	N 200
303	8200	N 20	1500	1500	N 10	70	70	70	3000	70	30	1500	N 200
304	8201	N 20	1500	1000	N 10	70	50	150	200	70	70	1500	N 200
305	8202	N 20	300	3000	N 10	50	100	30	N 200	50	N 20	700	N 200
306	8202D	N 20	700	1500	N 10	< 50	100	30	N 200	30	N 20	700	N 200
307	8203	N 20	500	1000	N 15	200	20	200	10000	150	N 30	500	N 300
308	8207	N 20	700	700	N 10	100	15	70	N 200	100	< 20	500	N 200
309	8208	N 20	700	700	N 10	100	15	70	N 200	70	700	300	N 200
310	8212	N 20	1000	500	20	70	< 10	70	N 200	150	30	700	N 200
311	8213	N 20	1500	700	N 10	70	20	50	N 200	50	N 20	1000	N 200
312	8214	N 20	150	300	N 10	50	< 10	70	N 200	50	N 20	300	N 200
313	8215	N 20	150	700	N 10	< 50	< 10	70	N 200	70	N 20	300	N 200
314	8216	N 20	150	700	N 10	70	< 10	70	N 200	50	N 20	700	N 200
315	8218	N 20	> 2000	3000	N 10	70	70	70	N 200	150	< 20	1500	N 200
316	8220	N 20	150	1000	N 10	100	< 10	50	N 200	50	N 20	< 200	N 200
317	8223	N 20	150	1000	N 10	70	< 10	70	N 200	50	N 20	300	N 200
318	8226	N 20	300	1000	15	100	10	70	N 200	30	20	1500	N 200
319	8227	N 20	150	700	N 10	< 50	< 10	30	N 200	30	N 20	700	N 200
320	8228	N 20	150	1500	N 10	70	< 10	50	N 200	70	N 20	300	N 200
321	8230	N 20	300	1500	N 10	200	100	30	N 200	100	30	300	N 200
322	8231	N 20	< 100	1500	N 10	< 50	50	30	N 200	70	N 20	700	N 200
323	8232	N 20	150	1000	15	70	15	30	N 200	70	30	700	N 200
324	8233	N 20	2000	1500	20	500	15	70	N 200	150	100	500	1500
325	8234	N 20	700	1500	30	100	15	30	N 200	50	30	1500	N 200
326	8235	N 20	1500	500	N 10	70	15	50	N 200	100	20	1000	N 200
327	8237	N 20	700	1500	N 10	50	30	30	N 200	30	2000	5000	N 200
328	8238	N 20	150	1500	N 10	50	15	50	N 200	30	700	500	N 200
329	8239	N 20	150	700	N 10	70	150	200	300	30	N 20	700	N 200
330	8240	N 20	50	1000	N 10	< 50	15	100	N 200	30	N 20	1000	N 200
331	8243	N 20	500	700	N 10	< 50	50	< 20	N 200	30	N 20	300	N 200
332	8244	N 20	100	700	N 10	70	15	20	N 200	50	< 20	300	N 200
333	8245	N 20	150	2000	N 10	70	20	30	N 200	50	N 20	300	N 200
334	8246	N 20	150	2000	N 10	70	15	< 20	N 200	70	N 20	300	N 200
335	8247	N 20	150	1500	N 10	70	100	30	N 200	30	N 20	500	N 200
336	8248	N 20	150	3000	N 10	70	30	30	N 200	30	N 20	500	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
289	8169	300	N 50	70	N 500
290	8170	700	N 50	150	N 500
291	8171	700	N 50	100	N 500
292	8172	700	N 50	70	N 500
293	8173	300	N 50	500	N 500
294	8176	300	70	150	N 500
295	8177	700	N 50	150	N 500
296	8181	200	N 50	500	700
297	8192	150	N 50	70	N 500
298	8193	700	N 50	150	N 500
299	8194	300	300	70	3000
300	8196	700	70	500	N 500
301	8197	700	N 50	70	N 500
302	8198	500	N 50	300	N 500
303	8200	1000	70	150	N 500
304	8201	700	70	300	N 500
305	8202	500	N 50	500	N 500
306	8202D	300	N 50	700	700
307	8203	500	N 70	300	N 700
308	8207	700	50	200	N 500
309	8208	1500	70	200	N 500
310	8212	1500	70	200	N 500
311	8213	200	N 50	500	3000
312	8214	500	N 50	700	N 500
313	8215	200	N 50	700	N 500
314	8216	300	N 50	500	N 500
315	8218	300	N 50	150	1500
316	8220	300	N 50	300	N 500
317	8223	300	N 50	300	N 500
318	8226	300	70	700	N 500
319	8227	300	N 50	700	N 500
320	8228	300	N 50	300	N 500
321	8230	500	70	200	N 500
322	8231	500	N 50	100	N 500
323	8232	1000	N 50	500	N 500
324	8233	700	H	700	N 500
325	8234	700	N 50	500	N 500
326	8235	700	50	300	N 500
327	8237	200	5000	300	N 500
328	8238	200	300	300	N 500
329	8239	150	5000	300	N 500
330	8240	300	N 50	200	N 500
331	8243	150	N 50	700	N 500
332	8244	300	N 50	150	N 500
333	8245	300	N 50	300	N 500
334	8246	300	N 50	300	N 500
335	8247	300	10000	300	N 500
336	8248	300	200	300	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	i-TI%
337	8251	D-313295	600800	1601910	60.13334	160.31940	20	2	1	0.7	7	> 2
338	8252	D-313296	600804	1601913	60.13445	160.32030	30	5	1	0.7	5	> 2
339	8253	D-313297	600929	1602135	60.15805	160.35970	1	2	0.5	< 0.5	0.7	> 2
340	8254	D-313298	600741	1602327	60.12806	160.39080	1.5	2	0.7	< 0.5	0.7	> 2
341	8255	D-313299	600500	1602812	60.08333	160.47000	1	1.5	0.7	< 0.5	1.5	> 2
342	8256	D-313300	600212	1602620	60.03667	160.43890	7	5	3	1	3	> 2
343	8257	D-313301	600215	1602543	60.03750	160.42860	7	7	3	1	3	> 2
344	8259	D-313302	600856	1601149	60.14889	160.19690	7	3	3	0.5	3	> 2
345	8260	D-313303	600842	1593928	60.14500	159.65780	30	2	3	1.5	3	1.5
346	8261	D-313304	600930	1594000	60.15833	159.66670	0.7	0.2	0.15	< 0.5	0.7	0.2
347	8262	D-313305	601135	1593902	60.19305	159.65060	30	3	2	1.5	10	2
348	8262D	D-313326	601135	1593902	60.19305	159.65060	30	3	2	1.5	7	1.5
349	8263	D-313306	601248	1593651	60.21333	159.61420	20	0.2	0.15	0.7	10	0.3
350	8264	D-313307	601139	1594152	60.19417	159.69780	1.5	1.5	0.7	< 0.5	3	2
351	8265	D-313308	601420	1594642	60.23889	159.77830	0.7	1	0.3	0.5	2	2
352	8266	D-313309	601605	1594608	60.26805	159.76890	30	3	1.5	0.5	> 20	> 2
353	8267	D-313310	601809	1594615	60.30250	159.77080	30	2	0.7	0.5	10	> 2
354	8267D	D-313311	601809	1594615	60.30250	159.77080	30	2	0.7	< 0.5	20	> 2
355	8268	D-313312	602750	1593832	60.46389	159.64220	20	3	3	0.7	5	> 2
356	8269	D-313313	602920	1593820	60.48889	159.63890	1	1.5	0.7	< 0.5	3	> 2
357	8270	D-313314	602952	1594300	60.49778	159.71670	1	15	0.7	0.7	1.5	1
358	8271	D-313315	602720	1594625	60.45555	159.77360	15	7	0.7	0.7	5	> 2
359	8272	D-313316	602720	1594635	60.45555	159.77640	5	7	0.7	< 0.5	3	> 2
360	8273	D-313317	602716	1592720	60.45444	159.45560	30	7	0.7	0.7	10	> 2
361	8274	D-313318	602928	1593432	60.49111	159.57560	15	3	0.7	0.7	7	> 2
362	8275	D-313319	603208	1593441	60.53556	159.57800	1	3	0.7	< 0.5	7	> 2
363	8276	D-313320	603142	1593845	60.52833	159.64580	1	15	0.2	< 0.5	1	1
364	8277	D-313321	603108	1594018	60.51889	159.67170	1.5	15	0.2	0.5	3	0.7
365	8278	D-313322	603322	1594321	60.55611	159.72250	10	3	1.5	< 0.7	3	> 2
366	8279	D-313323	603604	1594645	60.60111	159.77920	10	3	0.7	< 0.7	7	0.5
367	8280	D-313324	603604	1594655	60.60111	159.78200	3	20	0.5	0.7	3	0.5
368	8283	D-319272	604050	1594602	60.68056	159.76720	1.5	10	1.5	< 0.5	0.7	> 2
369	8284	D-319273	604142	1594450	60.69500	159.74720	15	15	3	0.5	3	> 2
370	8285	D-319274	604257	1594540	60.71583	159.76110	10	15	5	0.5	0.7	2
371	8303	D-310394	604610	1600210	60.76944	160.03610	2	2	3	< 0.5	1.5	> 2
372	8304	D-310395	604452	1600730	60.74778	160.12500	1	0.7	1.5	< 0.5	1.5	> 2
373	8306	D-310396	604340	1600048	60.72778	160.01330	1	1.5	2	< 0.5	1.5	> 2
374	8309	D-310399	604241	1600555	60.71139	160.09860	10	2	3	0.5	3	> 2
375	8310	D-310400	604100	1600528	60.68333	160.09110	20	2	2	0.7	7	> 2
376	8318	D-310404	603618	1600222	60.60500	160.03940	15	3	3	0.5	7	> 2
377	8319	D-311176	604647	1595625	60.77972	159.94030	3	0.7	1.5	< 0.5	3	> 2
378	8320	D-311177	604458	1595710	60.74944	159.95280	3	0.7	1	< 0.5	3	> 2
379	8321	D-311178	604312	1595714	60.72000	159.95390	7	0.7	1.5	< 0.5	5	> 2
380	8322	D-311179	604343	1595607	60.72861	159.93530	2	0.7	0.7	< 0.5	2	> 2
381	8323	D-311180	604055	1595654	60.68195	159.94830	5	1	1.5	< 0.5	3	> 2
382	8327	D-311184	604017	1595251	60.67139	159.88080	3	1.5	1	< 0.5	2	> 2
383	8328	D-311026	603914	1595329	60.65389	159.89140	1.5	0.7	1	< 0.5	3	> 2
384	8331	D-311029	603431	1595820	60.57528	159.97220	1.5	2	2	< 0.5	3	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
337	8251	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	< 20	150	30	15
338	8252	N 1	N 500	N 20	70	700	3	N 20	N 50	30	700	70	15
339	8253	N 1	N 500	N 20	200	700	3	N 20	N 50	< 20	150	100	15
340	8254	N 1	N 500	N 20	150	500	3	N 20	N 50	< 20	300	20	15
341	8255	N 1	N 500	N 20	200	3000	3	N 20	N 50	< 20	200	< 10	15
342	8256	N 1	N 500	N 20	300	500	3	N 20	N 50	30	300	50	20
343	8257	N 1	N 500	N 20	70	700	3	N 20	N 50	70	1500	100	20
344	8259	70	N 500	> 1000	200	10000	N 2	N 20	N 50	20	150	200	10
345	8260	N 1	N 500	N 20	30	300	N 2	N 20	N 50	< 20	300	< 10	15
346	8261	N 1	N 500	N 20	< 20	300	N 2	N 20	N 50	N 20	< 20	< 10	< 10
347	8262	N 1	N 500	N 20	50	200	N 2	N 20	N 50	< 20	150	< 10	15
348	8262D	N 1	N 500	N 20	30	300	N 2	N 20	N 50	< 20	100	< 10	15
349	8263	N 1	N 500	N 20	20	150	N 2	N 20	N 50	N 20	< 20	< 10	< 10
350	8264	N 1	N 500	N 20	500	150	N 2	N 20	N 50	N 20	30	< 10	< 10
351	8265	N 1	N 500	N 20	30	300	N 2	N 20	N 50	N 20	< 20	< 10	< 10
352	8266	N 1	N 500	N 20	70	150	3	N 20	N 50	< 20	700	30	10
353	8267	N 1	N 500	N 20	70	150	3	N 20	N 50	N 20	150	< 10	< 10
354	8267D	N 1	N 500	N 20	70	150	3	N 20	N 50	< 20	150	< 10	< 10
355	8268	N 1	N 500	N 20	200	300	3	N 20	N 50	20	1500	30	15
356	8269	300	N 500	> 1000	300	200	N 2	1000	N 50	N 20	300	< 10	< 10
357	8270	300	N 500	> 1000	70	> 10000	2	N 20	N 50	50	700	100	15
358	8271	N 1	N 500	N 20	30	> 10000	3	N 20	N 50	30	150	50	15
359	8272	N 1	N 500	N 20	50	> 10000	N 2	N 20	N 50	50	150	150	10
360	8273	150	> 20000	700	2000	3000	N 2	1000	N 50	100	300	70	15
361	8274	N 1	N 500	N 20	300	> 10000	N 2	N 20	N 50	30	1500	10	15
362	8275	N 1	N 500	N 20	700	> 10000	N 2	N 20	N 50	20	300	20	15
363	8276	1.5	N 500	N 20	< 20	> 10000	N 2	N 20	200	100	50	100	H
364	8277	1.5	N 500	N 20	30	> 10000	N 2	N 20	N 50	70	20	50	H
365	8278	< 1.5	N 700	N 30	30	> 10000	N 3	N 50	N 100	30	1000	50	< 15
366	8279	< 1.5	N 700	N 30	50	> 10000	N 3	N 50	N 100	< 30	100	50	15
367	8280	N 1	N 500	N 20	30	> 10000	N 2	N 20	N 50	< 20	150	20	H
368	8283	300	N 500	1000	70	> 10000	3	N 20	N 50	50	700	150	15
369	8284	< 1	N 500	N 20	70	5000	N 2	N 20	N 50	50	3000	70	15
370	8285	N 1	N 500	N 20	30	1500	N 2	N 20	N 50	70 >	10000	70	15
371	8303	N 1	N 500	N 20	70	500	3	N 20	N 50	30	300	30	H
372	8304	N 1	N 500	N 20	150	7000	3	N 20	N 50	N 20	700	20	15
373	8306	N 1	N 500	N 20	150	700	3	N 20	N 50	N 20	300	10	H
374	8309	N 1	N 500	N 20	150	700	3	N 20	N 50	20	300	10	15
375	8310	N 1	N 500	N 20	70	300	N 2	N 20	N 50	< 20	700	10	15
376	8318	N 1	N 500	N 20	300	300	2	N 20	N 50	30	700	15	15
377	8319	N 1	N 500	N 20	100	1500	3	N 20	N 50	N 20	150	20	H
378	8320	N 1	N 500	N 20	100	1500	3	N 20	N 50	N 20	300	20	H
379	8321	N 1	N 500	N 20	70	700	2	N 20	N 50	N 20	150	10	H
380	8322	N 1	N 500	N 20	150	5000	3	N 20	N 50	N 20	200	10	H
381	8323	1.5	N 500	30	150	700	3	N 20	N 50	N 20	1000	10	H
382	8327	N 1	N 500	N 20	30	300	N 2	N 20	N 50	N 20	300	50	H
383	8328	N 1	N 500	N 20	150	500	3	N 20	N 50	30	3000	< 10	10
384	8331	N 1	N 500	N 20	150	700	3	N 20	N 50	30	7000	30	15

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
337	8251	N 20	300	1500	20	70	20	30	N 200	30	N 20	1500	N 200
338	8252	N 20	300	3000	20	70	30	< 20	N 200	30	N 20	700	N 200
339	8253	N 20	200	1500	N 10	150	30	50	N 200	50	< 20	300	N 200
340	8254	N 20	200	1500	N 10	100	15	50	N 200	50	< 20	500	N 200
341	8255	N 20	150	1000	N 10	100	15	70	N 200	70	< 20	300	N 200
342	8256	N 20	150	3000	15	70	70	30	N 200	70	< 20	700	N 200
343	8257	N 20	300	2000	15	70	70	70	N 200	70	N 20	700	N 200
344	8259	N 20	300	2000	100	< 50	30	< 20	N 200	50	< 20	200	N 200
345	8260	N 20	150	700	N 10	< 50	15	< 20	N 200	30	N 20	700	N 200
346	8261	N 20	150	150	N 10	< 50	< 10	N 20	N 200	20	N 20	< 200	N 200
347	8262	N 20	300	1500	N 10	< 50	15	< 20	N 200	20	< 20	700	N 200
348	8262D	N 20	300	1000	N 10	< 50	15	N 20	N 200	20	< 20	700	N 200
349	8263	N 20	700	500	300	< 50	< 10	< 20	N 200	15	N 20	< 200	N 200
350	8264	N 20	300	1500	N 10	< 50	< 10	< 20	N 200	30	30	< 200	N 200
351	8265	N 20	200	500	N 10	< 50	< 10	< 20	N 200	30	N 20	< 200	N 200
352	8266	N 20	700	1500	30	70	15	70	N 200	50	30	300	N 200
353	8267	N 20	700	1500	15	70	15	< 20	N 200	50	70	< 200	N 200
354	8267D	N 20	1000	1500	20	70	10	30	N 200	50	70	< 200	N 200
355	8268	N 20	500	2000	N 10	< 50	50	20	N 200	70	> 2000	500	N 200
356	8269	N 20	300	700	N 10	50	< 10	< 20	N 200	50	500	< 200	N 200
357	8270	N 20	N 100	1500	N 10	< 50	100	70	N 200	30	> 2000	1000	N 200
358	8271	N 20	200	700	N 10	< 50	30	30	N 200	30	N 20	5000	N 200
359	8272	N 20	N 100	1000	N 10	50	30	50	N 200	30	< 20	5000	N 200
360	8273	N 20	700	1500	N 10	< 50	20	1500	200	30	30	500	N 200
361	8274	N 20	500	1500	N 10	< 50	70	30	N 200	30	> 2000	500	N 200
362	8275	N 20	300	1000	N 10	< 50	30	70	N 200	30	500	1000	N 200
363	8276	N 20	150	300	30	< 50	150	150	N 200	15	20	1500	N 200
364	8277	N 20	300	500	N 10	< 50	150	100	N 200	15	N 20	1500	N 200
365	8278	N 30	< 150	2000	N 15	< 50	50	< 30	N 300	20	30	500	N 300
366	8279	N 30	N 150	2000	N 15	< 70	50	100	N 300	15	N 30	5000	N 300
367	8280	N 20	N 100	700	N 10	< 50	70	70	N 200	15	N 20	3000	N 200
368	8283	N 20	N 100	10000	N 10	50	100	50	N 200	30	N 20	300	N 200
369	8284	N 20	100	7000	15	< 50	70	30	N 200	70	N 20	1500	N 200
370	8285	N 20	N 100	> 10000	N 10	< 50	100	70	N 200	70	N 20	500	N 200
371	8303	N 20	300	1500	N 10	100	15	30	N 200	70	< 20	300	N 200
372	8304	N 20	1500	300	N 10	70	< 10	70	N 200	70	50	700	H
373	8306	N 20	300	1500	N 10	70	10	30	N 200	70	< 20	300	N 200
374	8309	N 20	500	1500	N 10	70	15	70	N 200	70	20	1000	N 200
375	8310	N 20	300	1500	N 10	70	15	30	N 200	30	< 20	1500	N 200
376	8318	N 20	150	3000	N 10	70	20	70	N 200	70	< 20	1500	N 200
377	8319	N 20	700	1500	N 10	100	15	< 20	N 200	100	N 20	700	N 200
378	8320	N 20	700	1000	N 10	100	15	50	N 200	100	< 20	700	N 200
379	8321	N 20	> 2000	2000	N 10	70	10	30	700	150	N 20	1500	N 200
380	8322	N 20	700	500	N 10	100	15	70	700	100	N 20	1000	N 200
381	8323	N 20	1000	1500	N 10	70	15	30	N 200	100	N 20	1000	N 200
382	8327	N 20	100	3000	N 10	150	20	< 20	N 200	70	N 20	700	N 200
383	8328	N 20	700	500	N 10	70	15	30	N 200	70	< 20	300	N 200
384	8331	N 20	300	1500	N 10	70	50	70	N 200	70	< 20	700	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
337	8251	300	70	300	N 500
338	8252	200	N 50	300	N 500
339	8253	700	300	300	N 500
340	8254	700	70	300	N 500
341	8255	300	N 50	200	N 500
342	8256	300	N 50	200	N 500
343	8257	700	N 50	200	N 500
344	8259	150	200	500	N 500
345	8260	150	N 50	200	N 500
346	8261	30	N 50	500	N 500
347	8262	150	N 50	300	N 500
348	8262D	100	N 50	300	N 500
349	8263	30	700	300	N 500
350	8264	70	N 50	700	N 500
351	8265	70	N 50	500	N 500
352	8266	150	150	500	N 500
353	8267	150	70	700	N 500
354	8267D	150	70	700	N 500
355	8268	300	N 50	300	N 500
356	8269	150	70	300	N 500
357	8270	150	N 50	100	1500
358	8271	300	N 50	300	N 500
359	8272	300	N 50	200	1500
360	8273	150	N 50	700	N 500
361	8274	150	N 50	700	N 500
362	8275	150	50	500	N 500
363	8276	70	700	150	3000
364	8277	70	N 50	200	1000
365	8278	150	N 50	500	3000
366	8279	50	N 70	200	7000
367	8280	100	N 50	150	N 500
368	8283	150	700	70	N 500
369	8284	300	150	150	N 500
370	8285	300	N 50	70	N 500
371	8303	300	50	150	N 500
372	8304	700	70	300	N 500
373	8306	700	50	300	N 500
374	8309	300	50	300	N 500
375	8310	150	N 50	300	N 500
376	8318	300	70	200	N 500
377	8319	500	70	200	N 500
378	8320	700	70	200	N 500
379	8321	300	N 50	500	N 500
380	8322	700	N 50	300	N 500
381	8323	500	N 50	300	N 500
382	8327	300	70	100	N 500
383	8328	700	70	200	N 500
384	8331	700	70	200	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	S-TI%
385	8332	D-311030	603455	1595445	60.58194	159.91250	1.5	3	1.5	0.5	3	> 2
386	8333	D-311031	602242	1593412	60.37833	159.57000	3	10	1.5	< 0.5	2	> 2
387	8334	D-311032	602145	1592146	60.36250	159.36280	30	7	3	0.5	0.7	> 2
388	8335	D-311033	602046	1591619	60.34611	159.27190	30	5	2	0.5	0.7	> 2
389	8336	D-311034	601841	1591619	60.31139	159.27190	30	5	1.5	0.7	0.7	0.5
390	8337	D-311035	601843	1591600	60.31194	159.26670	30	7	3	0.5	0.7	> 2
391	8338	D-311036	601747	1592109	60.29639	159.35250	30	7	5	1	0.7	2
392	8339	D-311037	601756	1592556	60.29889	159.43220	30	7	3	0.7	3	> 2
393	8340	D-311038	601805	1592541	60.30139	159.42810	30	3	2	0.7	0.7	1
394	8341	D-311039	601448	1592121	60.24667	159.35580	30	3	1.5	0.5	0.7	1.5
395	8342	D-311040	601403	1591605	60.23417	159.26810	30	7	2	0.7	3	> 2
396	8343	D-311041	601457	1590935	60.24917	159.15970	3	20	1.5	1.5	2	1.5
397	8344	D-311042	601648	1591308	60.28000	159.21890	30	5	1	0.5	0.7	0.5
398	8345	D-311043	601649	1591317	60.28028	159.22140	30	10	1	0.7	2	> 2
399	8346	D-311044	601654	1590515	60.28167	159.08750	15	3	2	0.7	5	> 2
400	8347	D-311045	601725	1590616	60.29028	159.10440	20	7	1	0.5	1.5	> 2
401	8351	D-311107	604750	1594436	60.79722	159.74330	1	7	0.7	< 0.5	3	> 2
402	8352	D-311108	604749	1594455	60.79694	159.74860	0.7	1.5	1	< 0.5	2	> 2
403	8353	D-311109	604618	1594400	60.77167	159.73330	2	3	3	< 0.5	3	> 2
404	8355	D-311110	604823	1593832	60.80639	159.64220	5	2	1.5	< 0.5	5	> 2
405	8356	D-311111	604845	1593925	60.81250	159.65700	5	2	1.5	< 0.5	5	> 2
406	8357	D-311112	604930	1593520	60.82500	159.58890	3	2	1.5	< 0.5	3	> 2
407	8358	D-311113	604924	1593514	60.82333	159.58720	5	3	2	< 0.5	3	> 2
408	8359	D-311114	604950	1593205	60.83055	159.53470	10	15	3	< 0.5	1	> 2
409	8360	D-311115	604945	1593200	60.82917	159.53330	10	5	3	< 0.5	3	> 2
410	8361	D-311116	605137	1593240	60.86028	159.54440	10	3	3	< 0.5	3	> 2
411	8362	D-311117	605215	1593230	60.87083	159.54170	15	3	3	< 0.5	1.5	> 2
412	8363	D-311118	605410	1592730	60.90278	159.45830	15	3	3	< 0.5	1.5	> 2
413	8364	D-311119	605213	1592451	60.87028	159.41420	20	3	3	< 0.5	3	> 2
414	8365	D-311120	602356	1593500	60.39889	159.58330	7	30	0.7	< 0.5	1.5	> 2
415	8365D	D-311121	602356	1593500	60.39889	159.58330	5	30	0.5	< 0.5	1.5	> 2
416	8366	D-311122	602520	1593020	60.42222	159.50560	10	20	2	0.5	3	> 2
417	8367	D-311123	602415	1592540	60.40417	159.42780	5	7	1	< 0.5	2	> 2
418	8368	D-311124	602418	1592525	60.40500	159.42360	20	7	3	0.7	2	> 2
419	8369	D-311125	602610	1592448	60.43611	159.41330	10	3	0.2	< 0.5	3	> 2
420	8370	D-311126	602743	1592140	60.46194	159.36110	10	15	1	0.5	3	> 2
421	8371	D-311127	602747	1592147	60.46305	159.36310	20	7	0.7	< 0.5	10	> 2
422	8372	D-311128	602658	1592000	60.44944	159.33330	20	10	1	0.7	3	> 2
423	8373	D-311129	602630	1592002	60.44167	159.33390	15	2	3	0.7	1.5	> 2
424	8374	D-311130	602830	1591932	60.47500	159.32560	7	30	0.5	0.5	1.5	1.5
425	8375	D-311131	602848	1591618	60.48000	159.27170	30	3	1.5	0.7	0.7	> 2
426	8376	D-311132	603046	1591615	60.51278	159.27080	20	7	1.5	0.5	5	> 2
427	8377	D-311133	603052	1591602	60.51445	159.26720	15	7	0.5	0.7	3	> 2
428	8379	D-311135	603426	1591732	60.57389	159.29220	7	10	1.5	0.7	2	> 2
429	8380	D-311136	603530	1591855	60.59167	159.31530	10	7	3	< 0.5	3	> 2
430	8381	D-311137	603602	1592601	60.60056	159.43360	15	5	7	0.7	5	> 2
431	8383	D-311138	603450	1593155	60.58055	159.53200	10	3	3	< 0.5	3	> 2
432	8384	D-311139	603026	1592702	60.50722	159.45060	30	2	0.7	< 0.5	20	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
385	8332	N 1	N 500	N 20	150	1500	3	N 20	N 50	30	3000	70	15
386	8333	N 1	3000	N 20	70	7000	3	N 20	N 50	70	1500	150	15
387	8334	2	N 500	N 20 > 5000		7000	7	N 20	N 50	30	700	70	30
388	8335	N 1	N 500	N 20	200	1500	7	N 20	N 50	30	150	30	30
389	8336	< 1	N 500	N 20 > 5000		5000	7	N 20	N 50	30	50	30	30
390	8337	< 1	N 500	N 20	3000	150	3	N 20	N 50	30	150	20	30
391	8338	< 1	N 500	N 20 > 5000	> 10000		5	N 20	N 50	50	500	30	30
392	8339	7	N 500	N 20	700	3000	3	50	N 50	50	300	30	30
393	8340	N 1	3000	N 20 > 5000	> 10000		3	N 20	N 50	< 20	150	20	15
394	8341	N 1	700	N 20 > 5000		7000	7	N 20	N 50	< 20	150	50	30
395	8342	N 1	N 500	N 20	1000	2000	3	N 20	N 50	30	150	70	30
396	8343	1.5	N 500	N 20	1000	7000	3	N 20	N 50	100	150	1000	30
397	8344	1.5	N 500	N 20 > 5000		3000	5	N 20	N 50	30	30	30	30
398	8345	1.5	N 500	N 20	5000	1500	3	N 20	N 50	70	70	150	30
399	8346	5	N 500	150	300	> 10000	3	N 20	N 50	30	700	100	15
400	8347	1.5	N 500	N 20	1000	> 10000	3	N 20	N 50	30	150	500	30
401	8351	3	N 500	100	150	> 10000	3	N 20	N 50	50	700	70	15
402	8352	N 1	N 500	N 20	300	700	3	N 20	N 50	N 20	1500	30	10
403	8353	N 1	N 500	N 20	150	700	3	N 20	N 50	20	1000	< 10	10
404	8355	N 1	N 500	N 20	150	300	3	N 20	N 50	< 20	1500	< 10	< 10
405	8356	N 1	N 500	N 20	200	300	3	N 20	N 50	< 20	1500	< 10	< 10
406	8357	N 1	N 500	N 20	300	300	5	N 20	N 50	< 20	1500	< 10	10
407	8358	N 1	N 500	N 20	200	500	3	N 20	N 50	30	2000	10	15
408	8359	1.5	500	N 20	700	300	3	N 20	N 50	50	1500	70	15
409	8360	N 1	N 500	N 20	700	300	3	N 20	N 50	50	700	70	10
410	8361	N 1	N 500	N 20	500	300	3	N 20	N 50	20	2000	< 10	10
411	8362	N 1	N 500	N 20	150	300	5	N 20	N 50	20	1500	30	20
412	8363	1.5	N 500	N 20	100	300	2000	N 20	N 50	< 20	700	20	15
413	8364	N 1	N 500	N 20	300	300	5	N 20	N 50	30	700	15	30
414	8365	3	3000	N 20	70	7000	N 2	N 20	N 50	150	500	200	H
415	8365D	3	5000	N 20	70	7000	N 2	N 20	N 50	150	200	500	H
416	8366	1.5	N 500	N 20	200	1500	3	N 20	N 50	100	1500	300	H
417	8367	1	700	N 20	700	> 10000	3	N 20	N 50	70	1500	150	10
418	8368	N 1	N 500	N 20	2000	3000	3	N 20	N 50	30	700	70	20
419	8369	< 1	N 500	N 20	100	> 10000	N 2	N 20	N 50	20	150	150	< 10
420	8370	1.5	1500	N 20	150	> 10000	N 2	N 20	N 50	70	300	100	H
421	8371	1.5	3000	N 20	2000	700	N 2	300	N 50	300	300	500	15
422	8372	1.5	1000	N 20	1000	5000	3	N 20	N 50	70	150	300	20
423	8373	N 1	N 500	N 20	700	700	3	N 20	N 50	30	300	20	15
424	8374	2	N 500	N 20	700	2000	N 2	N 20	N 50	150	150	1000	H
425	8375	3	N 500	N 20	700	300	3	30	N 50	< 20	70	70	70
426	8376	15	10000	30	700	1500	70	2000	N 50	70	500	70	15
427	8377	1.5	3000	N 20	150	> 10000	50	200	N 50	30	150	30	15
428	8379	1	N 500	N 20	300	> 10000	N 2	30	N 50	30	1000	100	15
429	8380	N 1	N 500	N 20	300	> 10000	3	N 20	N 50	30	1500	70	15
430	8381	N 1	N 500	N 20	30	300	2	N 20	N 50	30	700	< 10	15
431	8383	20	N 500	150	150	700	3	N 20	N 50	20	1500	30	15
432	8384	1.5	N 500	N 20	150	> 10000	N 2	50	N 50	N 20	300	< 10	< 10

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
385	8332	N 20	500	1500	N 10	70	50	70	N 200	70	< 20	700	N 200
386	8333	N 20	150	700	N 10	50	70	150	N 200	70	< 20	300	N 200
387	8334	< 20	100	1500	15	50	50	30	N 200	70	N 20	500	N 200
388	8335	N 20	< 100	1500	10	70	20	30	1000	50	200	700	N 200
389	8336	N 20	N 100	2000	15	< 50	20	20	N 200	20	N 20	300	N 200
390	8337	< 20	< 100	2000	15	< 50	30	< 20	N 200	50	N 20	300	N 200
391	8338	20	< 100	1500	500	< 50	70	20	N 200	70	N 20	700	N 200
392	8339	< 20	150	1500	15	50	70	70	N 200	50	N 20	700	N 200
393	8340	30	< 100	1000	15	< 50	20	20	N 200	30	N 20	700	N 200
394	8341	30	< 100	1000	15	< 50	15	20	N 200	30	N 20	300	N 200
395	8342	< 20	150	3000	15	50	30	30	N 200	30	N 20	500	N 200
396	8343	N 20	150	10000	N 10	< 50	150	70	N 200	50	N 20	500	N 200
397	8344	< 20	N 100	1500	15	< 50	15	< 20	N 200	20	N 20	300	N 200
398	8345	< 20	< 100	1500	30	< 50	70	70	N 200	30	N 20	1500	N 200
399	8346	N 20	150	700	N 10	70	30	30	N 200	70	N 20	1000	N 200
400	8347	N 20	N 100	1000	N 10	50	20	150	1000	30	N 20	700	N 200
401	8351	N 20	> 2000	1500	N 10	70	70	200	300	100	30	1000	N 200
402	8352	N 20	1500	1500	N 10	70	15	70	N 200	100	20	500	N 200
403	8353	N 20	700	3000	N 10	70	15	70	N 200	100	< 20	300	N 200
404	8355	N 20	1500	1500	N 10	50	15	30	N 200	100	30	700	N 200
405	8356	N 20	1000	1500	N 10	50	15	50	N 200	100	20	700	N 200
406	8357	N 20	1500	1500	N 10	50	15	30	N 200	70	20	700	N 200
407	8358	N 20	1500	2000	N 10	70	20	50	N 200	100	< 20	1000	N 200
408	8359	N 20	150	3000	N 10	70	100	70	N 200	70	100	200	N 200
409	8360	N 20	150	3000	N 10	150	30	30	N 200	150	N 20	300	N 200
410	8361	N 20	500	2000	N 10	70	15	30	N 200	100	< 20	300	N 200
411	8362	N 20	300	3000	N 10	70	15	30	N 200	70	30	500	N 200
412	8363	N 20	150	3000	N 10	70	15	< 20	N 200	70	20	300	N 200
413	8364	N 20	150	3000	N 10	70	15	30	N 200	70	300	1500	N 200
414	8365	N 20	150	700	N 10	< 50	150	700	N 200	20	N 20	N 200	N 200
415	8365D	N 20	500	700	N 10	< 50	150	200	N 200	15	N 20	N 200	N 200
416	8366	N 20	200	3000	N 10	< 50	150	150	N 200	30	N 20	< 200	N 200
417	8367	N 20	200	3000	70	< 50	70	70	3000	30	N 20	700	N 200
418	8368	N 20	500	3000	15	50	50	30	N 200	70	N 20	300	N 200
419	8369	N 20	150	1500	15	< 50	30	30	N 200	20	N 20	5000	N 200
420	8370	N 20	300	1500	N 10	50	150	150	N 200	30	N 20	200	N 200
421	8371	N 20	300	1500	70	100	150	< 20	N 200	30	70	200	N 200
422	8372	N 20	300	7000	15	50	30	700	N 200	30	N 20	500	N 200
423	8373	N 20	150	1500	15	70	15	30	N 200	70	N 20	300	N 200
424	8374	N 20	150	1500	1000	< 50	300	700	N 200	15	N 20	< 200	N 200
425	8375	N 20	N 100	5000	15	< 50	15	20	N 200	30	N 20	300	N 200
426	8376	N 20	150	3000	15	50	70	300	N 200	30	> 2000	700	N 200
427	8377	N 20	150	1500	1000	70	50	70	N 200	30	> 2000	500	N 200
428	8379	N 20	150	3000	15	50	70	70	N 200	30	1500	700	N 200
429	8380	N 20	300	2000	N 10	70	70	70	N 200	70	700	700	N 200
430	8381	N 20	1000	1500	N 10	< 50	70	< 20	N 200	70	100	300	N 200
431	8383	N 20	500	1500	N 10	70	20	< 20	N 200	50	20	500	N 200
432	8384	N 20	300	1000	15	50	10	20	N 200	30	N 20	700	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
385	8332	500	N 50	200	N 500
386	8333	300	N 50	200	N 500
387	8334	300	70	100	N 500
388	8335	700	5000	100	N 500
389	8336	200	50	70	N 500
390	8337	300	70	70	N 500
391	8338	300	N 50	100	N 500
392	8339	300	100	150	N 500
393	8340	150	70	100	N 500
394	8341	300	N 50	100	N 500
395	8342	300	N 50	150	N 500
396	8343	300	700	100	N 500
397	8344	150	N 50	70	N 500
398	8345	300	70	100	N 500
399	8346	700	50	300	N 500
400	8347	300	200	150	N 500
401	8351	700	10000	150	N 500
402	8352	700	N 50	150	N 500
403	8353	700	N 50	300	N 500
404	8355	700	N 50	700	N 500
405	8356	500	N 50	500	N 500
406	8357	700	N 50	500	N 500
407	8358	700	N 50	300	N 500
408	8359	200	N 50	150	N 500
409	8360	300	N 50	200	N 500
410	8361	700	N 50	300	N 500
411	8362	300	N 50	200	N 500
412	8363	300	7000	200	N 500
413	8364	300	150	200	N 500
414	8365	150	N 50	150	N 500
415	8365D	100	N 50	150	N 500
416	8366	200	N 50	200	N 500
417	8367	150	N 50	200	N 500
418	8368	300	N 50	300	N 500
419	8369	50	N 50	300	N 500
420	8370	100	70	300	N 500
421	8371	150	15000	500	N 500
422	8372	150	70	300	N 500
423	8373	700	300	200	N 500
424	8374	150	N 50	150	N 500
425	8375	200	N 50	100	N 500
426	8376	200	1000	200	N 500
427	8377	100	7000	200	N 500
428	8379	200	5000	300	N 500
429	8380	500	700	300	700
430	8381	300	N 50	700	N 500
431	8383	300	N 50	300	N 500
432	8384	300	70	700	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	i-Ti%
433	8384D	D-311140	603026	1592702	60.50722	159.45060	30	2	0.7	< 0.5	20	> 2
434	8385	D-311141	602855	1592710	60.48195	159.45280	20	1	0.5	1.5	7	0.5
435	8386	D-311142	602852	1592718	60.48111	159.45500	20	3	0.7	0.7	10	> 2
436	8387	D-311143	601228	1590645	60.20778	159.11250	5	7	1	< 0.5	0.7	> 2
437	8388	D-311144	601120	1590215	60.18889	159.03750	15	2	1.5	0.5	3	> 2
438	8389	D-311201	600922	1590418	60.15611	159.07170	7	2	0.7	< 0.5	5	> 2
439	8391	D-311202	600720	1590330	60.12222	159.05830	30	3	0.7	0.5	15	> 2
440	8392	D-311227	600621	1590220	60.10583	159.03890	15	15	3	0.7	7	1.5
441	8393	D-311203	600145	1590222	60.02917	159.03940	20	2	1	< 0.5	0.7	> 2
442	8394	D-311204	600200	1590921	60.03333	159.15580	10	5	0.5	< 0.5	3	> 2
443	8395	D-311205	600450	1591150	60.08055	159.19720	20	7	0.7	0.7	3	0.7
444	8396	D-311206	600450	1591200	60.08055	159.20000	20	15	0.5	0.7	3	2
445	8397	D-311207	600101	1591905	60.01694	159.31810	30	7	0.3	1	10	1
446	8398	D-311208	600205	1591702	60.03472	159.28390	30	7	0.7	0.7	2	1.5
447	8399	D-311209	600350	1591600	60.06389	159.26670	20	7	0.5	1	5	2
448	8400	D-311210	600350	1591511	60.06389	159.25310	30	3	0.7	0.7	5	> 2
449	8400D	D-311211	600350	1591511	60.06389	159.25310	30	3	0.7	0.7	3	> 2
450	8401	D-311212	601142	1592438	60.19500	159.41060	15	20	0.3	0.7	7	2
451	8403	D-311213	611232	1592540	61.20889	159.42780	2	20	0.15	< 0.5	1.5	0.5
452	8406	D-311228	605221	1600301	60.87250	160.05030	15	2	1	0.5	20	> 2
453	8408	D-311229	605310	1600742	60.88611	160.12830	1.5	1	1.5	< 0.5	5	> 2
454	8409	D-311230	605305	1600741	60.88472	160.12810	1.5	2	1	< 0.5	5	> 2
455	8411	D-311231	605603	1600820	60.93417	160.13890	3	3	3	< 0.5	3	> 2
456	8412	D-311232	605848	1595740	60.98000	159.96110	20	10	3	1	N 0.5	> 2
457	8413	D-311233	605942	1600608	60.99500	160.10220	30	7	3	0.7	N 0.5	> 2
458	8414	D-311234	605935	1600610	60.99306	160.10280	15	3	3	< 0.5	0.7	> 2
459	8416	D-311235	610345	1600820	61.06250	160.13890	7	1	0.7	< 0.5	0.7	> 2
460	8417	D-311236	610629	1600742	61.10806	160.12830	30	7	15	0.5	< 0.5	> 2
461	8419	D-311237	610840	1595420	61.14444	159.90550	1.5	1	0.5	< 0.5	3	> 2
462	8420	D-311238	610831	1595419	61.14194	159.90530	7	2	3	< 0.5	0.7	> 2
463	8421	D-311239	610255	1595650	61.04861	159.94720	15	1	0.5	< 0.5	0.7	> 2
464	8422	D-311240	610132	1595250	61.02555	159.88060	15	15	3	1	N 0.5	> 2
465	8423	D-311241	610300	1594831	61.05000	159.80860	15	10	7	1	1.5	> 2
466	8424	D-311242	610542	1594142	61.09500	159.69500	10	5	3	1.5	2	> 2
467	8426	D-311308	610329	1600405	61.05806	160.06810	20	0.7	0.1	< 0.5	H	> 2
468	8427	D-311309	603045	1600702	60.51250	160.11720	15	2	3	< 0.5	2	> 2
469	8428	D-311310	603240	1600722	60.54445	160.12280	15	2	3	0.7	5	> 2
470	8429	D-311311	603238	1600426	60.54389	160.07390	15	1	5	0.5	3	> 2
471	8431	D-311312	603537	1600200	60.59361	160.03330	7	1	3	< 0.5	3	> 2
472	8434	D-311315	603027	1595949	60.50750	159.99690	3	3	3	< 0.5	3	> 2
473	8436	D-311317	603145	1594955	60.52917	159.83190	10	5	1.5	< 0.5	5	> 2
474	8438	D-311318	603100	1594630	60.51667	159.77500	7	2	2	< 0.5	5	> 2
475	8440	D-311319	601640	1603850	60.27778	160.64720	5	1	1.5	< 0.5	3	> 2
476	8445	D-311320	600809	1605058	60.13583	160.84940	3	1	1.5	< 0.5	1.5	> 2
477	8447	D-311284	601046	1604249	60.17944	160.71360	15	2	1.5	< 0.5	7	> 2
478	8448	D-311285	601133	1603841	60.19250	160.64470	15	1	0.7	< 0.5	3	> 2
479	8449	D-311286	600755	1604157	60.13194	160.69920	1	0.7	0.3	< 0.5	1	> 2
480	8450	D-311287	600414	1604422	60.07056	160.73940	1	1.5	0.5	< 0.5	0.7	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
433	8384D	N 1	N 500	N 20	150	> 10000	2	N 20	N 50	N 20	300	< 10	< 10
434	8385	< 1	N 500	N 20	70	300	N 2	N 20	N 50	N 20	< 20	< 10	15
435	8386	1.5	N 500	N 20	1000	500	N 2	200	N 50	< 20	700	30	< 10
436	8387	3	N 500	N 20	70	> 10000	3	N 20	N 50	70	300	200	15
437	8388	N 1	N 500	N 20	2000	700	3	N 20	N 50	< 20	3000	30	15
438	8389	N 1	N 500	N 20	> 5000	> 10000	5	N 20	N 50	< 20	500	70	15
439	8391	N 1	N 500	N 20	150	> 10000	3	N 20	N 50	30	150	70	15
440	8392	1.5	N 500	N 20	150	> 10000	3	N 20	N 50	50	1500	300	15
441	8393	N 1	N 500	N 20	2000	10000	7	N 20	N 50	30	300	70	15
442	8394	N 1	N 500	N 20	300	> 10000	2	N 20	N 50	70	200	70	H
443	8395	N 1	N 500	N 20	700	> 10000	N 2	N 20	N 50	100	150	150	15
444	8396	N 1	N 500	N 20	700	> 10000	2	N 20	N 50	150	70	150	30
445	8397	N 1	N 500	N 20	3000	> 10000	3	N 20	N 50	30	30	70	20
446	8398	N 1	N 500	N 20	> 5000	> 10000	N 2	N 20	N 50	50	150	70	30
447	8399	N 1	N 500	N 20	> 5000	> 10000	3	N 20	N 50	150	70	500	15
448	8400	N 1	N 500	N 20	5000	7000	3	N 20	N 50	70	70	70	30
449	8400D	N 1	N 500	N 20	> 5000	> 10000	3	N 20	N 50	70	70	70	30
450	8401	2	N 500	N 20	2000	> 10000	N 2	N 20	N 50	70	50	500	H
451	8403	1	N 500	N 20	150	> 10000	N 2	N 20	N 50	70	< 20	70	H
452	8406	N 1	N 500	N 20	300	> 10000	3	< 20	N 50	< 20	500	50	< 10
453	8408	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	N 20	500	< 10	< 10
454	8409	N 1	N 500	N 20	150	> 10000	5	N 20	N 50	N 20	1500	10	10
455	8411	N 1	N 500	N 20	500	> 10000	3	N 20	N 50	N 20	1500	10	10
456	8412	N 1	N 500	N 20	50	300	N 2	N 20	N 50	30	150	10	30
457	8413	N 1	N 500	N 20	50	300	N 2	N 20	N 50	30	1000	10	20
458	8414	N 1	700	20	70	500	2	N 20	N 50	< 20	300	H	15
459	8416	N 1	N 500	N 20	30	300	N 2	N 20	N 50	N 20	50	H	< 10
460	8417	N 1	N 500	N 20	30	150	N 2	N 20	H	50	1500	< 10	15
461	8419	H	N 500	N 20	30	300	N 2	70	H	N 20	20	< 10	< 10
462	8420	N 1	700	N 20	30	150	N 2	30	N 50	N 20	150	< 10	10
463	8421	N 1	N 500	N 20	20	150	N 2	70	N 50	N 20	20	< 10	< 10
464	8422	1	N 500	N 20	50	150	N 2	N 20	N 50	30	200	70	50
465	8423	N 1	N 500	N 20	70	300	2	150	H	100	500	150	15
466	8424	300	N 500	> 1000	50	1000	3	> 2000	N 50	30	500	100	20
467	8426	5	N 500	N 20	< 20	300	N 2	> 2000	N 50	N 20	< 20	150	< 10
468	8427	N 1	N 500	N 20	150	1000	3	300	N 50	N 20	1000	10	15
469	8428	N 1	N 500	N 20	150	1500	3	70	N 50	N 20	700	< 10	15
470	8429	N 1	700	N 20	70	10000	5	70	N 50	N 20	3000	15	15
471	8431	N 1	N 500	N 20	300	3000	3	20	N 50	N 20	700	10	15
472	8434	N 1	N 500	N 20	70	700	7	< 20	N 50	30	300	15	15
473	8436	N 1	N 500	N 20	150	> 10000	N 2	< 20	N 50	30	300	70	< 10
474	8438	N 1	N 500	N 20	200	1000	3	N 20	N 50	N 20	1000	20	15
475	8440	N 1	N 500	N 20	150	500	3	< 20	N 50	N 20	200	< 10	< 10
476	8445	N 1	N 500	N 20	150	1500	7	N 20	N 50	N 20	300	< 10	15
477	8447	N 1	N 500	N 20	70	1500	3	N 20	N 50	N 20	150	< 10	< 10
478	8448	N 1	N 500	N 20	300	700	3	N 20	N 50	N 20	500	< 10	< 10
479	8449	N 1	N 500	N 20	50	1500	3	N 20	N 50	N 20	150	< 10	< 10
480	8450	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	30	300	10	10

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
433	8384D	N 20	300	1000	15	50	15	20	N 200	30	N 20	700	N 200
434	8385	N 20	700	700	N 10	< 50	< 10	< 20	N 200	15	N 20	700	N 200
435	8386	N 20	700	2000	N 10	< 50	10	< 20	N 200	20	30	500	N 200
436	8387	N 20	150	700	300	100	70	7000	N 200	50	< 20	700	N 200
437	8388	N 20	150	1000	N 10	70	70	30	N 200	30	N 20	700	N 200
438	8389	N 20	150	300	N 10	70	15	50	N 200	30	N 20	700	N 200
439	8391	N 20	150	500	N 10	50	70	30	N 200	30	N 20	3000	N 200
440	8392	N 20	150	1500	20	< 50	150	50	N 200	20	N 20	700	N 200
441	8393	N 20	< 100	1000	N 10	70	30	70	N 200	70	N 20	700	N 200
442	8394	N 20	100	700	N 10	70	70	70	N 200	30	N 20	3000	N 200
443	8395	N 20	150	300	N 10	< 50	150	< 20	N 200	30	N 20	1500	N 200
444	8396	N 20	< 100	700	N 10	< 50	150	300	N 200	30	N 20	700	N 200
445	8397	N 20	300	3000	15	< 50	70	30	N 200	20	70	2000	N 200
446	8398	N 20	N 100	1500	N 10	< 50	50	< 20	N 200	30	N 20	700	N 200
447	8399	N 20	100	1500	15	< 50	150	50	< 200	15	N 20	1500	N 200
448	8400	N 20	150	1500	15	< 50	30	30	N 200	30	N 20	700	N 200
449	8400D	N 20	150	1500	N 10	< 50	30	< 20	N 200	30	N 20	1000	N 200
450	8401	N 20	300	700	N 10	< 50	70	70	300	15	N 20	700	N 200
451	8403	N 20	< 100	500	30	< 50	150	70	N 200	< 10	N 20	1500	N 200
452	8406	N 20	700	700	N 10	100	15	70	N 200	50	70	3000	N 200
453	8408	N 20	700	700	N 10	70	< 10	70	N 200	70	< 20	2000	N 200
454	8409	N 20	700	1000	N 10	100	15	70	N 200	70	< 20	3000	N 200
455	8411	N 20	700	1500	N 10	70	15	50	N 200	100	< 20	1500	N 200
456	8412	N 20	150	2000	N 10	< 50	15	30	N 200	70	N 20	2000	N 200
457	8413	N 20	300	3000	N 10	150	50	30	N 200	70	50	300	N 200
458	8414	N 20	1500	3000	50	200	15	30	N 200	100	70	300	300
459	8416	N 20	1500	1500	50	200	< 10	70	N 200	150	200	200	700
460	8417	N 20	300	3000	20	100	100	< 20	N 200	150	50	300	300
461	8419	N 20	700	300	N 10	70	< 10	< 20	N 200	70	< 20	300	700
462	8420	N 20	1500	1500	70	300	< 10	30	N 200	100	150	< 200	500
463	8421	N 20	1500	1500	70	150	< 10	30	N 200	100	100	< 200	700
464	8422	N 20	N 100	3000	N 10	< 50	30	70	N 200	70	N 20	2000	N 200
465	8423	N 20	700	3000	15	< 50	100	50	N 200	150	N 20	300	N 200
466	8424	N 20	150	2000	N 10	50	30	200	N 200	70	N 20	700	N 200
467	8426	N 20	1500	1500	1500	200	< 10	1500	200	100	150	300	700
468	8427	N 20	300	2000	30	100	50	70	N 200	100	N 20	700	N 200
469	8428	N 20	300	3000	N 10	150	15	30	N 200	70	N 20	1500	N 200
470	8429	N 20	150	1500	N 10	300	70	30	N 200	70	N 20	1500	N 200
471	8431	N 20	700	2000	N 10	150	15	30	N 200	70	N 20	1500	N 200
472	8434	N 20	150	3000	N 10	100	15	50	N 200	70	N 20	500	N 200
473	8436	N 20	150	1500	N 10	100	30	70	N 200	30	N 20	10000	N 200
474	8438	N 20	700	1500	N 10	70	15	70	N 200	70	N 20	700	N 200
475	8440	N 20	300	2000	N 10	50	< 10	30	N 200	70	N 20	300	N 200
476	8445	> 200	1500	1000	N 10	100	15	70	N 200	70	N 20	1000	N 200
477	8447	N 20	200	2000	50	70	10	50	N 200	70	70	300	N 200
478	8448	N 20	150	1500	N 10	70	10	50	N 200	70	< 20	300	N 200
479	8449	N 20	100	500	N 10	70	< 10	70	N 200	70	N 20	200	N 200
480	8450	N 20	< 100	700	N 10	100	15	70	N 200	50	N 20	300	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
433	8384D	300	70	500	N 500
434	8385	50	300	500	N 500
435	8386	150	300	500	N 500
436	8387	300	N 50	200	3000
437	8388	150	N 50	200	N 500
438	8389	150	N 50	300	N 500
439	8391	300	N 50	300	N 500
440	8392	300	N 50	200	N 500
441	8393	700	N 50	300	N 500
442	8394	300	N 50	300	N 500
443	8395	300	N 50	150	N 500
444	8396	300	N 50	150	N 500
445	8397	150	N 50	300	H
446	8398	300	N 50	150	N 500
447	8399	300	N 50	150	N 500
448	8400	300	N 50	150	N 500
449	8400D	300	N 50	150	N 500
450	8401	150	N 50	200	H
451	8403	50	N 50	100	1500
452	8406	300	N 50	300	N 500
453	8408	500	N 50	300	N 500
454	8409	700	N 50	200	N 500
455	8411	700	N 50	200	N 500
456	8412	700	N 50	100	N 500
457	8413	300	N 50	300	N 500
458	8414	700	70	700	N 500
459	8416	300	70	700	1500
460	8417	300	N 50	500	N 500
461	8419	150	70	500	N 500
462	8420	700	200	700	N 500
463	8421	700	N 50	700	N 500
464	8422	700	N 50	70	N 500
465	8423	700	100	200	N 500
466	8424	200	N 50	200	N 500
467	8426	300	> 20000	700	N 500
468	8427	700	150	500	N 500
469	8428	700	70	500	N 500
470	8429	300	70	500	N 500
471	8431	700	70	500	N 500
472	8434	300	70	700	N 500
473	8436	300	N 50	300	3000
474	8438	1000	70	300	N 500
475	8440	300	70	700	N 500
476	8445	700	70	300	N 500
477	8447	300	N 50	500	N 500
478	8448	700	N 50	500	N 500
479	8449	300	N 50	500	N 500
480	8450	700	N 50	300	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	i-TI%
481	8452	D-311288	595952	1604715	59.99778	160.78750	15	1.5	1	0.7	5	> 2
482	8453	D-311289	600050	1603952	60.01389	160.66440	7	0.7	0.5	< 0.5	3	> 2
483	8454	D-311290	600758	1591000	60.13278	159.16670	20	3	0.5	0.5	20	> 2
484	8455	D-311291	600808	1591245	60.13556	159.21250	30	10	0.5	1.5	7	> 2
485	8456	D-311292	600926	1590925	60.15722	159.15700	20	3	1.5	0.7	5	> 2
486	8457	D-311293	601121	1590850	60.18917	159.14720	1	20	0.2	0.7	0.7	> 2
487	8458	D-311294	601003	1591620	60.16750	159.27220	30	2	0.3	< 0.5	1.5	0.5
488	8459	D-311295	600948	1591708	60.16333	159.28560	30	2	0.5	< 0.5	1.5	> 2
489	8460	D-311296	600950	1591745	60.16389	159.29580	30	5	0.5	0.5	1.5	1.5
490	8461	D-311297	600905	1592015	60.15139	159.33750	30	2	0.3	< 0.5	0.7	0.3
491	8462	D-311298	601022	1592115	60.17278	159.35420	30	20	0.7	0.7	10	0.3
492	8463	D-311299	600650	1592130	60.11389	159.35830	30	5	0.3	< 0.5	1	0.7
493	8464	D-311300	600630	1592110	60.10833	159.35280	30	7	0.7	< 0.5	1.5	> 2
494	8465	D-311301	600803	1593100	60.13417	159.51670	30	20	1	1	10	0.3
495	8466	D-311302	600508	1592413	60.08556	159.40360	30	3	0.7	< 0.5	0.7	0.7
496	8467	D-311303	600435	1592605	60.07639	159.43470	20	10	0.5	0.7	3	0.7
497	8469	D-311304	600505	1593040	60.08472	159.51110	5	2	0.2	< 0.5	1.5	0.5
498	8470	D-311305	600957	1593330	60.16583	159.55830	15	2	0.3	0.5	7	1.5
499	8471	D-311306	600910	1593420	60.15278	159.57220	30	10	2	0.5	3	> 2
500	8476	D-313911	603710	1603832	60.61945	160.64220	10	1	0.7	0.5	1.5	> 2
501	8478	D-313912	604034	1604020	60.67611	160.67220	7	1.5	0.7	0.5	1.5	> 2
502	8479	D-313913	604100	1602832	60.68333	160.47560	0.7	0.5	0.3	< 0.5	3	> 2
503	8482	D-311413	611010	1600156	61.16945	160.03220	20	2	0.7	0.7	20	> 2
504	8483	D-311414	611127	1600010	61.19083	160.00280	7	0.7	0.1	< 0.5	7	> 2
505	8484	D-311415	611133	1600013	61.19250	160.00360	15	2	2	< 0.5	7	> 2
506	8486	D-311416	611455	1595734	61.24861	159.95940	15	2	1.5	0.7	7	> 2
507	8487	D-311417	611339	1595253	61.22750	159.88140	30	0.5	0.3	< 0.5	> 20	> 2
508	8488	D-311418	611105	1594940	61.18472	159.82780	15	3	1.5	0.7	2	> 2
509	8490	D-311419	611240	1594518	61.21111	159.75500	7	1	0.7	< 0.5	5	> 2
510	8498	D-311421	604340	1601216	60.72778	160.20440	15	1	0.5	< 0.5	10	> 2
511	8499	D-311422	603946	1601349	60.66278	160.23030	15	2	3	< 0.5	5	> 2
512	8499D	D-311423	603946	1601349	60.66278	160.23030	15	1	0.7	< 0.5	7	> 2
513	8500	D-311424	603806	1600946	60.63500	160.16280	10	1	0.7	< 0.5	7	> 2
514	8502	D-311425	603630	1601436	60.60833	160.24330	3	0.5	0.5	< 0.5	3	> 2
515	8503	D-311426	603403	1602212	60.56750	160.37000	15	0.3	0.7	< 0.5	7	> 2
516	8504	D-311427	603439	1602720	60.57750	160.45560	20	0.3	1.5	0.7	7	> 2
517	8508	D-311373	604024	1602411	60.67333	160.40310	7	2	0.5	< 0.5	5	> 2
518	8510	D-311374	603803	1602657	60.63417	160.44920	1.5	0.7	0.2	< 0.5	1.5	> 2
519	8514	D-311375	603822	1604615	60.63945	160.77080	7	0.7	0.3	0.5	2	> 2
520	8517	D-311376	603723	1604500	60.62305	160.75000	7	0.7	0.2	0.7	1.5	> 2
521	8521	D-311377	603249	1604101	60.54694	160.68360	15	3	1	0.7	3	> 2
522	8523	D-311379	603020	1603900	60.50555	160.65000	3	2	0.7	< 0.5	1.5	> 2
523	8524	D-311380	600345	1593200	60.06250	159.53330	15	15	0.7	1.5	7	> 2
524	8525	D-311381	600216	1592919	60.03778	159.48860	20	3	0.7	< 0.5	1	> 2
525	8526	D-311382	600210	1592925	60.03611	159.49030	15	7	0.7	0.7	3	1.5
526	8527	D-311383	600214	1593510	60.03722	159.58610	15	7	0.5	0.7	3	> 2
527	8529	D-311386	600044	1594004	60.01222	159.66780	20	7	0.7	0.7	7	0.7
528	8530	D-311387	600054	1594100	60.01500	159.68330	10	7	1.5	0.7	1.5	2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
481	8452	N 1	N 500	N 20	150	1500	3	N 20	N 50	N 20	300	< 10	15
482	8453	150	N 500	> 1000	70	500	3	N 20	N 50	N 20	150	10	< 10
483	8454	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	30	150	70	10
484	8455	N 1	N 500	N 20	1000	3000	3	N 20	N 50	70	100	150	30
485	8456	N 1	N 500	N 20	300	> 10000	3	N 20	N 50	30	700	15	30
486	8457	N 1	700	N 20	< 20	> 10000	N 2	30	N 50	100	50	500	10
487	8458	N 1	N 500	N 20	> 5000	> 10000	5	N 20	N 50	< 20	30	20	30
488	8459	N 1	N 500	N 20	> 5000	> 10000	5	N 20	N 50	< 20	150	30	30
489	8460	N 1	N 500	N 20	> 5000	5000	5	N 20	N 50	30	50	70	30
490	8461	N 1	N 500	N 20	> 5000	> 10000	5	N 20	N 50	< 20	20	20	30
491	8462	3	N 500	N 20	5000	> 10000	3	N 20	N 50	70	150	70	20
492	8463	1	N 500	N 20	> 5000	> 10000	3	N 20	N 50	20	20	30	15
493	8464	N 1	N 500	N 20	> 5000	> 10000	7	N 20	N 50	70	150	150	30
494	8465	3	3000	N 20	200	> 10000	3	N 20	N 50	100	700	100	15
495	8466	1.5	N 500	N 20	> 5000	1500	7	N 20	N 50	< 20	30	10	30
496	8467	1.5	N 500	N 20	> 5000	> 10000	3	N 20	N 50	50	150	100	15
497	8469	1	N 500	N 20	200	> 10000	N 2	N 20	N 50	< 20	< 20	30	< 10
498	8470	1.5	N 500	N 20	300	3000	N 2	N 20	H	< 20	100	< 10	10
499	8471	1.5	N 500	N 20	300	700	3	N 20	N 50	30	1500	70	50
500	8476	7000	N 500	> 1000	70	700	N 2	> 2000	N 50	< 20	300	70	15
501	8478	3	N 500	N 20	70	300	3	20	N 50	< 20	150	< 10	15
502	8479	N 1	N 500	N 20	300	2000	7	N 20	N 50	N 20	300	< 10	< 10
503	8482	N 1	N 500	N 20	70	300	7	N 20	N 50	N 20	30	100	< 10
504	8483	N 1	N 500	N 20	30	200	N 2	N 20	N 50	N 20	< 20	< 10	< 10
505	8484	N 1	N 500	N 20	50	300	3	N 20	N 50	N 20	1000	< 10	15
506	8486	N 1	N 500	N 20	50	700	3	N 20	N 50	N 20	300	< 10	15
507	8487	3	N 500	< 20	20	150	N 2	70	N 50	N 20	< 20	< 10	< 10
508	8488	1.5	N 500	< 20	150	700	3	N 20	N 50	N 20	150	50	20
509	8490	N 1	N 500	N 20	70	700	15	N 20	N 50	N 20	70	< 10	10
510	8498	N 1	N 500	N 20	70	2000	7	N 20	N 50	N 20	150	< 10	10
511	8499	N 1	N 500	N 20	70	1500	10	N 20	N 50	30	300	< 10	15
512	8499D	N 1	N 500	N 20	300	3000	7	N 20	N 50	< 20	200	< 10	< 10
513	8500	N 1	N 500	N 20	300	3000	7	N 20	N 50	< 20	300	< 10	< 10
514	8502	N 1	N 500	N 20	70	3000	5	N 20	N 50	N 20	300	< 10	< 10
515	8503	N 1	N 500	N 20	70	1500	3	N 20	N 50	N 20	150	< 10	< 10
516	8504	N 1	N 500	N 20	70	700	15	200	N 50	N 20	150	< 10	< 10
517	8508	N 1	N 500	N 20	500	1500	5	30	N 50	N 20	700	15	15
518	8510	N 1	N 500	N 20	30	700	70	30	H	N 20	30	< 10	< 10
519	8514	N 1	N 500	N 20	50	300	N 2	N 50	N 50	N 20	300	< 10	< 10
520	8517	10	N 500	30	30	1500	N 2	200	N 50	N 20	150	100	15
521	8521	N 1	N 500	N 20	50	300	N 2	N 20	N 50	< 20	300	10	20
522	8523	50	N 500	> 1000	70	1000	3	N 20	N 50	N 20	300	< 10	< 10
523	8524	1.5	N 500	N 20	500	10000	3	N 20	N 50	30	150	100	15
524	8525	N 1	N 500	N 20	> 5000	> 10000	3	N 20	N 50	< 20	70	30	30
525	8526	N 1	N 500	N 20	> 5000	> 10000	N 2	N 20	N 50	50	50	70	15
526	8527	N 1	N 500	N 20	1500	> 10000	3	N 20	N 50	30	30	70	10
527	8529	1.5	N 500	N 20	700	> 10000	3	N 20	N 50	< 20	100	100	< 10
528	8530	N 1	N 500	N 20	> 5000	> 10000	3	N 20	N 50	30	700	300	15

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
481	8452	N 20	700	1500	N 10	70	10	70	N 200	70	N 20	1500	N 200
482	8453	N 20	700	500	N 10	70	< 10	50	N 200	70	N 20	700	N 200
483	8454	N 20	150	300	N 10	70	70	50	N 200	30	N 20	1500	N 200
484	8455	N 20	150	1500	N 10	< 50	100	50	N 200	30	N 20	1500	N 200
485	8456	N 20	200	300	N 10	100	100	70	N 200	30	N 20	1500	N 200
486	8457	N 20	N 100	100	N 10	50	100	70	N 200	15	N 20	1000	N 200
487	8458	< 20	< 100	1000	15	< 50	20	< 20	N 200	15	N 20	700	N 200
488	8459	< 20	N 100	1000	15	< 50	30	20	N 200	30	N 20	1500	N 200
489	8460	< 20	N 100	1000	15	< 50	70	20	N 200	15	N 20	300	N 200
490	8461	< 20	N 100	1500	< 10	< 50	10	< 20	N 200	15	N 20	300	N 200
491	8462	N 20	300	1000	15	< 50	100	70	N 200	15	N 20	1000	N 200
492	8463	20	N 100	700	< 10	< 50	30	20	N 200	15	30	1500	N 200
493	8464	< 20	< 100	1500	15	< 50	50	30	N 200	20	N 20	300	N 200
494	8465	N 20	300	2000	30	50	200	70	N 200	20	N 20	1500	N 200
495	8466	N 20	N 100	1500	N 10	< 50	15	< 20	N 200	20	N 20	300	N 200
496	8467	N 20	150	3000	15	< 50	70	20	N 200	15	N 20	3000	N 200
497	8469	N 20	< 100	2000	< 10	< 50	20	< 20	N 200	< 10	N 20	7000	N 200
498	8470	N 20	300	700	15	< 50	10	70	N 200	30	N 20	< 200	N 200
499	8471	20	150	3000	15	< 50	20	20	700	30	200	300	N 200
500	8476	N 20	150	1000	15	100	15	70	N 200	70	100	300	N 200
501	8478	N 20	< 100	1500	20	70	15	20	N 200	70	< 20	300	N 200
502	8479	N 20	300	300	N 10	70	< 10	30	N 200	70	100	500	N 200
503	8482	N 20	700	700	15	70	< 10	70	N 200	50	30	700	N 200
504	8483	N 20	500	500	N 10	< 50	< 10	< 20	N 200	70	N 20	< 200	N 200
505	8484	N 20	500	1500	N 10	70	15	30	N 200	70	30	500	N 200
506	8486	N 20	700	1500	N 10	< 50	10	70	N 200	70	150	700	N 200
507	8487	N 20	700	700	N 10	< 50	< 10	20	N 200	70	N 20	500	N 200
508	8488	N 20	150	1500	10	70	10	50	N 200	50	70	700	N 200
509	8490	N 20	500	700	N 10	70	< 10	30	N 200	70	300	300	N 200
510	8498	N 20	300	700	N 10	100	10	20	N 200	70	N 20	1500	N 200
511	8499	N 20	1500	2000	15	70	15	70	N 200	100	300	1000	N 200
512	8499D	N 20	500	300	10	70	10	70	1000	70	30	1500	N 200
513	8500	N 20	300	300	< 10	70	15	20	1000	70	< 20	1500	N 200
514	8502	N 20	200	300	N 10	70	15	30	N 200	70	300	700	N 200
515	8503	N 20	300	500	N 10	< 50	< 10	20	N 200	50	100	500	N 200
516	8504	N 20	500	500	N 10	< 50	10	< 20	N 200	70	70	700	N 200
517	8508	N 20	500	500	N 10	70	15	70	N 200	70	100	700	N 200
518	8510	N 20	700	300	N 10	< 50	< 10	< 20	N 200	200	< 20	< 200	N 200
519	8514	N 20	300	500	150	50	< 10	70	N 200	70	200	300	500
520	8517	N 20	200	300	70	< 50	< 10	30	N 200	50	100	300	N 200
521	8521	N 20	150	2000	N 10	< 50	15	30	N 200	70	N 20	700	N 200
522	8523	N 20	150	1500	N 10	< 50	< 10	30	N 200	100	N 20	300	N 200
523	8524	N 20	150	2000	15	< 50	100	70	N 200	50	N 20	300	N 200
524	8525	N 20	N 100	1500	10	< 50	15	< 20	N 200	30	N 20	300	N 200
525	8526	N 20	100	5000	30	< 50	100	20	N 200	15	70	700	N 200
526	8527	N 20	100	3000	15	< 50	70	50	N 200	20	N 20	1000	N 200
527	8529	N 20	< 100	1500	30	< 50	30	< 20	N 200	15	N 20	1500	N 200
528	8530	N 20	N 100	1500	N 10	< 50	100	3000	N 200	50	1500	700	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
481	8452	500	N 50	300	N 500
482	8453	300	N 50	300	N 500
483	8454	300	N 50	300	N 500
484	8455	300	N 50	200	N 500
485	8456	300	N 50	300	N 500
486	8457	150	N 50	70	N 500
487	8458	300	N 50	100	N 500
488	8459	300	N 50	70	N 500
489	8460	300	N 50	70	N 500
490	8461	300	N 50	70	N 500
491	8462	150	N 50	200	N 500
492	8463	150	N 50	70	N 500
493	8464	300	N 50	150	N 500
494	8465	150	15000	300	N 500
495	8466	300	N 50	100	N 500
496	8467	150	N 50	200	1000
497	8469	50	N 50	70	N 500
498	8470	70	N 50	700	N 500
499	8471	300	N 50	300	N 500
500	8476	700	300	200	N 500
501	8478	300	N 50	150	N 500
502	8479	300	N 50	500	N 500
503	8482	300	N 50	700	N 500
504	8483	100	N 50	700	N 500
505	8484	300	N 50	500	N 500
506	8486	300	N 50	500	N 500
507	8487	150	N 50	700	N 500
508	8488	700	1000	300	N 500
509	8490	200	N 50	700	N 500
510	8498	300	N 50	700	N 500
511	8499	500	N 50	700	N 500
512	8499D	300	N 50	500	N 500
513	8500	300	N 50	500	N 500
514	8502	700	N 50	500	N 500
515	8503	150	N 50	700	N 500
516	8504	150	N 50	700	N 500
517	8508	300	100	300	2000
518	8510	70	N 50	1500	N 500
519	8514	700	2000	500	N 500
520	8517	150	300	300	1500
521	8521	700	N 50	300	N 500
522	8523	300	N 50	300	N 500
523	8524	150	N 50	200	N 500
524	8525	300	N 50	100	N 500
525	8526	150	N 50	150	700
526	8527	200	N 50	150	N 500
527	8529	100	N 50	100	N 500
528	8530	300	N 50	70	2000

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	S-TI%
529	8531	D-311388	600224	1594845	60.04000	159.81250	7	0.7	0.3	< 0.5	7	> 2
530	8533	D-311389	605436	1591851	60.91000	159.31420	10	2	3	< 0.5	7	> 2
531	8534	D-311390	605207	1591800	60.86861	159.30000	7	1	0.7	< 0.5	3	> 2
532	8535	D-311391	610237	1594420	61.04361	159.73890	3	2	0.5	< 0.5	1.5	> 2
533	8536	D-311392	610404	1594234	61.06778	159.70940	5	2	0.7	< 0.5	1.5	> 2
534	8537	D-311393	610712	1594324	61.12000	159.72330	5	2	2	0.7	1.5	> 2
535	8538	D-311394	610617	1593634	61.10472	159.60950	5	1	1	< 0.5	1.5	> 2
536	8539	D-311395	602912	1601757	60.48667	160.29920	3	0.7	0.7	< 0.5	1.5	> 2
537	8541	D-311396	602625	1601824	60.44028	160.30670	5	2	1	< 0.5	2	> 2
538	8542	D-311397	602438	1601732	60.41056	160.29220	5	3	1	0.5	1.5	> 2
539	8545	D-311398	602028	1601545	60.34111	160.26250	15	5	7	0.5	1	> 2
540	8546	D-311399	602058	1601239	60.34945	160.21080	7	2	0.7	< 0.5	5	> 2
541	8548	D-311355	602330	1601110	60.39167	160.18610	20	5	3	1.5	1.5	> 2
542	8549	D-311356	602140	1600605	60.36111	160.10140	7	0.5	1	< 0.5	10	> 2
543	8550	D-311357	602026	1600322	60.34056	160.05610	10	2	3	< 0.5	7	> 2
544	8551	D-311358	602155	1600110	60.36528	160.01940	3	2	2	0.5	3	> 2
545	8557	D-311363	602525	1595528	60.42361	159.92440	1.5	3	1	< 0.5	3	> 2
546	8558	D-311364	602735	1595350	60.45972	159.89720	0.7	1.5	0.7	< 0.5	3	> 2
547	8559	D-311365	602909	1595941	60.48583	159.99470	2	3	0.3	< 0.5	5	> 2
548	8561	D-311367	602917	1595110	60.48806	159.85280	1.5	3	0.3	< 0.5	0.7	1.5
549	8562	D-311368	603315	1594530	60.55416	159.75830	3	15	2	< 0.5	1.5	> 2
550	8564	D-311371	603428	1604740	60.57444	160.79440	20	1.5	1.5	0.5	3	> 2
551	8565	D-311372	603422	1604745	60.57278	160.79580	20	1	0.5	0.7	15	> 2
552	8566	D-312881	603235	1604912	60.54306	160.82000	15	0.5	0.15	0.7	20	> 2
553	8567	D-312882	600526	1605421	60.09056	160.90580	1.5	0.5	0.5	< 0.5	1.5	> 2
554	8568	D-312883	600437	1605730	60.07695	160.95830	0.7	0.3	0.3	< 0.5	1.5	> 2
555	8569	D-312884	600432	1605736	60.07555	160.96000	0.3	0.5	0.3	< 0.5	1.5	> 2
556	8570	D-312885	600222	1605902	60.03944	160.98390	1.5	0.5	0.3	< 0.5	3	> 2
557	8571	D-312886	600015	1605932	60.00417	160.99220	1.5	0.5	0.7	< 0.5	1.5	> 2
558	8572	D-312887	600008	1605937	60.00222	160.99360	0.7	0.5	0.3	< 0.5	1	> 2
559	8573	D-312888	600143	1604237	60.02861	160.71030	1.5	0.5	0.7	< 0.5	7	> 2
560	8574	D-312889	600322	1604109	60.05611	160.68580	7	1	0.7	< 0.5	10	> 2
561	8574D	D-312890	600322	1604109	60.05611	160.68580	15	0.7	0.7	< 0.5	20	> 2
562	8575	D-312891	600317	1603734	60.05472	160.62610	15	0.5	0.2	< 0.5	10	> 2
563	8576	D-312892	600122	1603615	60.02278	160.60420	15	0.7	0.7	< 0.7	7	> 2
564	8577	D-312893	600156	1603405	60.03222	160.56810	15	2	2	< 0.7	7	> 2
565	8578	D-312894	600222	1603149	60.03944	160.53030	7	1.5	1	< 0.5	2	> 2
566	8579	D-312895	600228	1603149	60.04111	160.53030	3	1	0.7	< 0.5	1.5	> 2
567	8580	D-312896	600435	1603235	60.07639	160.54310	1	0.2	0.07	< 0.5	0.7	> 2
568	8582	D-312897	600514	1603724	60.08722	160.62330	15	1	0.3	< 0.5	10	> 2
569	8583	D-312898	600711	1603858	60.11972	160.64940	7	0.3	0.1	< 0.5	5	> 2
570	8584	D-312899	600757	1603523	60.13250	160.58970	10	1	0.5	< 0.5	5	> 2
571	8585	D-312900	600716	1603354	60.12111	160.56500	15	2	0.7	< 0.5	7	> 2
572	8586	D-312901	600712	1603356	60.12000	160.56560	15	1.5	0.3	< 0.5	20	> 2
573	8587	D-312902	600656	1602959	60.11555	160.49970	3	0.7	0.5	< 0.5	0.7	> 2
574	8588	D-312903	610836	1594051	61.14333	159.68080	15	3	3	0.5	0.7	> 2
575	8589	D-312904	610952	1594117	61.16444	159.68800	15	3	3	0.7	5	> 2
576	8590	D-312905	611212	1593916	61.20333	159.65440	10	3	3	0.5	3	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
529	8531	N 1	N 500	N 20	150	1500	3	70	N 50	N 20	300	< 10	< 10
530	8533	15	N 500	30	150	3000	N 2	2000	N 50	< 20	1000	15	10
531	8534	N 1	N 500	N 20	70	500	3	70	N 50	< 20	200	< 10	10
532	8535	N 1	N 500	N 20	150	3000	3	N 20	N 50	N 20	500	30	10
533	8536	100	N 500	> 1000	500	300	3	N 20	N 50	N 20	150	70	15
534	8537	N 1	N 500	20	30	700	3	1000	N 50	N 20	300	30	15
535	8538	N 1	N 500	N 20	70	700	3	N 20	N 50	N 20	500	< 10	< 10
536	8539	N 1	N 500	N 20	70	700	3	N 20	N 50	N 20	300	< 10	< 10
537	8541	N 1	N 500	N 20	100	1500	3	N 20	N 50	N 20	500	< 10	15
538	8542	N 1	N 500	N 20	30	1500	N 2	N 20	N 50	< 20	300	< 10	15
539	8545	3	N 500	50	30	150	N 2	N 20	N 50	30	2000	70	15
540	8546	N 1	N 500	N 20	70	5000	N 2	N 20	N 50	N 20	300	< 10	< 10
541	8548	N 1	N 500	N 20	70	> 10000	N 2	N 20	H	50	300	70	20
542	8549	N 1	N 500	N 20	700	> 10000	N 2	N 20	N 50	N 20	300	< 10	< 10
543	8550	N 1	N 500	N 20	300	500	N 2	N 20	H	20	300	10	< 10
544	8551	N 1	N 500	N 20	150	5000	2	N 20	H	< 20	300	10	10
545	8557	N 1	N 500	N 20	200	> 10000	N 2	N 20	N 50	50	300	150	15
546	8558	N 1	N 500	N 20	150	> 10000	3	N 20	N 50	30	300	50	< 10
547	8559	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	30	150	70	10
548	8561	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	30	50	150	< 10
549	8562	N 1	700	N 20	50	> 10000	N 2	N 20	N 50	70	500	70	10
550	8564	N 1	N 500	N 20	30	500	N 2	N 20	N 50	N 20	200	10	< 10
551	8565	N 1	N 500	N 20	30	300	N 2	< 20	N 50	N 20	150	70	< 10
552	8566	N 1	N 500	N 20	30	300	N 2	< 20	N 50	N 20	< 20	< 10	< 10
553	8567	N 1	N 500	N 20	300	1500	3	N 20	N 50	N 20	300	10	< 10
554	8568	N 1	N 500	N 20	150	700	3	N 20	N 50	N 20	500	< 10	< 10
555	8569	N 1	500	N 20	150	1000	7	N 20	N 50	N 20	700	15	< 10
556	8570	N 1	N 500	N 20	150	700	3	N 20	N 50	N 20	300	< 10	10
557	8571	N 1	N 500	N 20	150	700	3	N 20	N 50	N 20	300	< 10	< 10
558	8572	N 1	N 500	N 20	100	700	3	N 20	N 50	N 20	700	< 10	< 10
559	8573	N 1	N 500	N 20	150	1500	3	N 20	N 50	N 20	700	15	< 10
560	8574	N 1	N 500	N 20	300	500	5	N 20	N 50	N 20	150	< 10	15
561	8574D	N 1	N 500	N 20	300	300	5	N 20	N 50	N 20	300	< 10	10
562	8575	N 1	N 500	N 20	30	5000	N 2	N 20	N 50	N 20	150	20	< 10
563	8576	N 2	N 700	N 50	300	300	N 5	N 50	N 100	N 50	200	< 20	< 20
564	8577	N 2	N 700	N 50	70	150	N 5	N 50	N 100	N 50	300	< 20	< 20
565	8578	N 1	N 500	N 20	700	300	3	N 20	N 50	N 20	150	70	10
566	8579	N 1	N 500	N 20	300	300	3	N 20	N 50	N 20	200	< 10	10
567	8580	N 1	N 500	N 20	50	150	2	N 20	N 50	N 20	70	< 10	< 10
568	8582	N 1	N 500	N 20	30	150	N 2	N 20	N 50	N 20	70	< 10	15
569	8583	N 1	N 500	N 20	20	100	N 2	N 20	N 50	N 20	30	< 10	< 10
570	8584	N 1	N 500	N 20	20	100	N 2	N 20	N 50	N 20	150	< 10	15
571	8585	N 1	N 500	N 20	30	150	N 2	N 20	N 50	30	150	< 10	15
572	8586	N 1	N 500	N 20	30	100	N 2	N 20	N 50	< 20	150	< 10	15
573	8587	N 1	N 500	N 20	70	700	3	N 20	N 50	N 20	200	< 10	10
574	8588	500	N 500	> 1000	30	150	N 2	N 20	N 50	30	500	30	20
575	8589	N 1	N 500	N 20	300	700	3	N 20	N 50	20	700	15	30
576	8590	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	30	700	< 10	15

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
529	8531	N 20	300	300	N 10	70	10	30	N 200	70	50	300	N 200
530	8533	N 20	300	1000	N 10	50	50	150	N 200	70	N 20	300	N 200
531	8534	N 20	300	700	N 10	70	15	< 20	N 200	50	200	200	N 200
532	8535	N 20	200	700	N 10	70	20	70	N 200	70	< 20	500	N 200
533	8536	N 20	300	1500	20	100	< 10	70	N 200	150	100	< 200	N 200
534	8537	N 20	300	1000	N 10	200	15	70	N 200	70	100	300	N 200
535	8538	N 20	150	700	N 10	70	15	30	N 200	70	< 20	300	N 200
536	8539	N 20	150	500	N 10	70	15	30	N 200	70	< 20	300	N 200
537	8541	N 20	150	700	N 10	70	15	30	N 200	70	< 20	300	N 200
538	8542	N 20	150	700	N 10	50	15	30	N 200	50	N 20	300	N 200
539	8545	N 20	N 100	1500	N 10	< 50	100	< 20	N 200	70	N 20	300	N 200
540	8546	N 20	300	700	15	< 50	10	< 20	N 200	70	30	300	N 200
541	8548	N 20	150	2000	N 10	70	100	30	N 200	30	N 20	1000	N 200
542	8549	N 20	300	300	N 10	70	10	30	N 200	30	30	1500	N 200
543	8550	N 20	300	2000	30	< 50	10	500	N 200	70	1500	300	N 200
544	8551	N 20	200	1500	N 10	< 50	10	50	N 200	30	N 20	700	N 200
545	8557	N 20	150	3000	N 10	100	50	200	N 200	50	N 20	2000	N 200
546	8558	N 20	150	700	N 10	100	20	70	N 200	70	< 20	1000	N 200
547	8559	N 20	N 100	3000	N 10	< 50	50	70	N 200	15	N 20	2000	N 200
548	8561	N 20	N 100	700	N 10	< 50	30	30	N 200	< 10	N 20	7000	N 200
549	8562	N 20	700	1500	20	100	100	30	N 200	30	70	700	300
550	8564	N 20	300	700	50	70	< 10	< 20	N 200	30	70	300	N 200
551	8565	N 20	300	700	50	70	< 10	< 20	N 200	15	70	300	N 200
552	8566	N 20	700	700	N 10	< 50	< 10	< 20	N 200	50	N 20	300	N 200
553	8567	N 20	300	300	N 10	70	10	30	N 200	100	70	300	N 200
554	8568	N 20	300	150	N 10	70	10	50	N 200	100	N 20	300	N 200
555	8569	N 20	300	300	N 10	100	15	70	N 200	100	N 20	300	N 200
556	8570	N 20	500	500	N 10	100	< 10	70	N 200	100	N 20	500	N 200
557	8571	N 20	200	700	N 10	100	15	30	N 200	100	100	300	N 200
558	8572	N 20	300	300	N 10	100	15	30	N 200	100	N 20	300	N 200
559	8573	N 20	1500	1000	N 10	70	< 10	30	N 200	150	N 20	700	N 200
560	8574	N 20	1500	700	N 10	100	15	50	N 200	100	N 20	1500	N 200
561	8574D	N 20	1500	700	N 10	70	10	50	N 200	100	N 20	1500	N 200
562	8575	N 20	300	700	N 10	70	< 10	70	N 200	70	N 20	700	N 200
563	8576	N 50	1500	1500	N 20	150	< 20	< 50	N 200	70	30	1500	N 500
564	8577	N 50	200	3000	150	100	< 20	< 50	N 200	100	N 50	< 500	N 500
565	8578	N 20	150	1000	N 10	100	15	30	N 200	70	N 20	300	N 200
566	8579	N 20	150	700	N 10	70	10	50	N 200	70	N 20	300	N 200
567	8580	N 20	< 100	1000	N 10	50	< 10	30	N 200	70	N 20	< 200	N 200
568	8582	N 20	150	1000	N 10	70	< 10	70	N 200	50	N 20	1000	N 200
569	8583	N 20	< 100	200	N 10	< 50	< 10	70	N 200	70	N 20	300	N 200
570	8584	N 20	150	700	N 10	70	< 10	70	N 200	30	N 20	300	N 200
571	8585	N 20	150	1000	N 10	50	10	70	N 200	30	N 20	700	N 200
572	8586	N 20	150	1500	700	70	< 10	70	N 200	30	N 20	700	300
573	8587	N 20	150	700	15	70	< 10	70	N 200	70	N 20	300	N 200
574	8588	N 20	150	3000	30	70	15	30	N 200	70	70	700	100
575	8589	N 20	300	1500	15	50	20	70	N 200	70	30	700	N 200
576	8590	N 20	300	1500	N 10	50	20	70	N 200	70	< 20	700	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
529	8531	300	100	300	N 500
530	8533	300	N 50	300	N 500
531	8534	300	300	300	N 500
532	8535	700	N 50	200	N 500
533	8536	1000	150	500	N 500
534	8537	300	100	300	N 500
535	8538	700	N 50	200	N 500
536	8539	700	N 50	200	N 500
537	8541	300	N 50	200	N 500
538	8542	200	N 50	300	N 500
539	8545	300	N 50	200	N 500
540	8546	150	100	700	N 500
541	8548	300	N 50	150	N 500
542	8549	200	N 50	700	N 500
543	8550	200	70	700	N 500
544	8551	150	N 50	700	700
545	8557	700	N 50	150	N 500
546	8558	700	< 50	200	N 500
547	8559	150	N 50	150	N 500
548	8561	70	N 50	70	2000
549	8562	150	10000	200	N 500
550	8564	700	1000	300	N 500
551	8565	500	1000	300	N 500
552	8566	300	N 50	500	N 500
553	8567	700	N 50	300	N 500
554	8568	700	N 50	300	N 500
555	8569	1000	N 50	200	N 500
556	8570	700	N 50	200	N 500
557	8571	700	N 50	150	N 500
558	8572	700	N 50	150	N 500
559	8573	300	N 50	300	N 500
560	8574	300	N 50	300	N 500
561	8574D	300	N 50	300	N 500
562	8575	150	N 50	700	N 500
563	8576	300	N 100	200	N 1000
564	8577	300	N 100	200	N 1000
565	8578	300	N 50	200	N 500
566	8579	300	N 50	300	N 500
567	8580	300	N 50	300	N 500
568	8582	150	N 50	700	N 500
569	8583	70	N 50	700	N 500
570	8584	150	N 50	700	N 500
571	8585	200	N 50	700	N 500
572	8586	300	N 50	500	N 500
573	8587	300	N 50	500	N 500
574	8588	700	N 50	200	N 500
575	8589	200	500	300	N 500
576	8590	300	N 50	300	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	i-Ti%
577	8592	D-312906	611232	1592349	61.20889	159.39690	15	0.7	0.5	< 0.5	20	> 2
578	8595	D-312907	610141	1592818	61.02806	159.47170	3	0.5	0.5	< 0.5	5	> 2
579	8597	D-312908	603750	1591721	60.63055	159.28920	15	1.5	0.5	0.5	7	> 2
580	8598	D-312909	603512	1591432	60.58667	159.24220	7	15	0.7	< 0.5	3	> 2
581	8603	D-310407	603934	1600408	60.65944	160.06890	15	3	3	< 0.5	7	> 2
582	8608	D-310409	603542	1601030	60.59500	160.17500	20	2	1.5	0.5	7	> 2
583	8609	D-310410	603217	1600852	60.53806	160.14780	1.5	1	1	0.5	3	> 2
584	8610	D-310411	603422	1600425	60.57278	160.07360	15	1.5	1.5	0.7	7	> 2
585	8613	D-311048	604410	1595428	60.73611	159.90780	10	15	5	0.7	5	> 2
586	8616	D-311051	604051	1595613	60.68083	159.93700	1.5	1	1	0.5	5	> 2
587	8617	D-311052	603709	1595823	60.61917	159.97310	1.5	2	1.5	0.5	3	> 2
588	8619	D-311054	603758	1595352	60.63278	159.89780	7	3	1.5	1	5	> 2
589	8620	D-311055	603710	1595611	60.61945	159.93640	1.5	1.5	1	< 0.5	3	> 2
590	8622	D-311057	602110	1593032	60.35278	159.50890	1.5	2	1.5	0.5	3	> 2
591	8624	D-311059	602017	1591540	60.33805	159.26110	20	2	0.7	0.7	0.7	2
592	8625	D-311060	601629	1591940	60.27472	159.32780	30	5	2	0.7	0.7	> 2
593	8626	D-311061	601439	1592039	60.24417	159.34420	30	3	0.7	0.7	1.5	0.3
594	8627	D-311062	601345	1591920	60.22917	159.32220	15	15	1.5	1	5	0.5
595	8628	D-311063	601322	1591500	60.22278	159.25000	20	3	0.7	0.5	3	> 2
596	8629	D-311064	601518	1590850	60.25500	159.14720	15	7	1.5	0.7	3	> 2
597	8630	D-311065	601548	1590519	60.26333	159.08860	7	3	2	0.7	0.7	> 2
598	8631	D-311254	601800	1590950	60.30000	159.16390	20	2	0.7	< 0.5	1.5	> 2
599	8635	D-311258	604825	1594633	60.80695	159.77580	3	2	1.5	0.5	3	> 2
600	8639	D-311262	604908	1594020	60.81889	159.67220	3	2	1.5	< 0.5	3	> 2
601	8640	D-311263	605012	1593719	60.83667	159.62190	5	2	1.5	0.5	3	> 2
602	8642	D-311265	605230	1593109	60.87500	159.51920	15	7	3	< 0.5	1.5	> 2
603	8643	D-311266	605340	1593630	60.89444	159.60830	7	1	0.5	< 0.5	2	> 2
604	8644	D-311267	605348	1592735	60.89667	159.45970	10	1.5	1	< 0.5	1.5	> 2
605	8645	D-311268	605238	1592610	60.87722	159.43610	20	2	1	0.5	1	> 2
606	8647	D-311270	602445	1592350	60.41250	159.39720	5	15	0.7	0.5	1.5	> 2
607	8648	D-311271	602633	1592310	60.44250	159.38610	7	15	0.5	0.5	3	> 2
608	8649	D-311272	602542	1591800	60.42833	159.30000	10	3	1.5	1.5	1.5	> 2
609	8650	D-311273	602529	1591810	60.42472	159.30280	15	3	1.5	0.7	1.5	> 2
610	8651	D-311274	602920	1591850	60.48889	159.31390	30	2	0.7	1	20	> 2
611	8652	D-311275	603120	1591932	60.52222	159.32560	15	3	1	0.7	10	> 2
612	8653	D-311276	603320	1591610	60.55556	159.26940	5	3	0.5	< 0.5	3	> 2
613	8656	D-311279	603632	1593052	60.60889	159.51450	5	15	0.7	< 0.5	1.5	> 2
614	8657	D-311280	603312	1592810	60.55333	159.46950	5	0.7	0.2	0.7	3	> 2
615	8658	D-311281	603408	1593304	60.56889	159.55110	3	3	0.5	0.5	3	> 2
616	8659	D-311282	603210	1593231	60.53611	159.54190	30	2	0.5	1	20	> 2
617	8660	D-311283	603047	1593646	60.51305	159.61280	7	1	0.2	0.5	5	> 2
618	8664	D-311243	605700	1595640	60.95000	159.94440	1.5	1	0.5	0.5	3	> 2
619	8665	D-311244	605420	1600156	60.90556	160.03220	1.5	2	0.5	< 0.5	7	> 2
620	8667	D-311246	605040	1600830	60.84444	160.14170	1.5	1	0.3	< 0.5	7	> 2
621	8668	D-311247	605239	1601145	60.87750	160.19580	5	1	2	0.5	3	> 2
622	8669	D-311248	605150	1600510	60.86389	160.08610	15	7	3	1	1	> 2
623	8670	D-311249	605950	1595850	60.99722	159.98060	15	1.5	0.7	< 0.5	0.7	> 2
624	8671	D-311250	605809	1600910	60.96917	160.15280	15	2	3	< 0.5	1.5	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
577	8592	N 1	N 500	N 20	30	200	2	N 20	N 50	N 20	70	< 10	< 10
578	8595	N 1	N 500	N 20	150	300	3	N 20	N 50	N 20	1500	< 10	10
579	8597	15	N 500	30	100	1500	10	30	N 50	N 20	300	< 10	15
580	8598	N 1	2000	N 20	50	> 10000	3	N 20	N 50	150	700	150	15
581	8603	N 1	N 500	N 20	70	700	3	N 20	N 50	30	300	150	10
582	8608	N 1	N 500	N 20	150	> 10000	N 2	N 20	N 50	< 20	150	15	10
583	8609	N 1	N 500	N 20	150	10000	3	N 20	N 50	N 20	500	15	15
584	8610	N 1	N 500	N 20	150	5000	3	N 20	N 50	< 20	200	10	15
585	8613	N 1	N 500	N 20	100	3000	3	N 20	N 50	100	200	150	20
586	8616	N 1	N 500	N 20	150	1500	3	N 20	N 50	N 20	300	< 10	10
587	8617	N 1	N 500	N 20	200	3000	3	N 20	N 50	< 20	1000	30	15
588	8619	N 1	N 500	N 20	200	5000	3	N 20	N 50	30	300	30	20
589	8620	N 1	N 500	N 20	150	700	3	N 20	N 50	< 20	3000	30	< 10
590	8622	N 1	N 500	N 20	70	1500	3	N 20	N 50	30	200	30	10
591	8624	N 1	N 500	N 20	700	150	3	N 20	N 50	< 20	30	15	30
592	8625	N 1	N 500	N 20	3000	3000	3	N 20	N 50	30	150	30	30
593	8626	N 1	N 500	N 20	3000	> 10000	3	N 20	N 50	< 20	< 20	30	30
594	8627	N 1	N 500	N 20	700	1000	5	N 20	N 50	70	150	500	20
595	8628	N 1	N 500	N 20	2000	1500	3	N 20	N 50	30	70	70	15
596	8629	N 1	N 500	N 20	1500	> 10000	3	N 20	N 50	30	150	150	15
597	8630	N 1	N 500	N 20	30	7000	7	N 20	N 50	30	50	30	20
598	8631	N 1	N 500	N 20	> 5000	3000	7	N 20	N 50	N 20	150	15	15
599	8635	N 1	N 500	N 20	300	1000	7	N 20	N 50	N 20	1000	30	15
600	8639	N 1	N 500	N 20	300	700	7	N 20	N 50	N 20	1500	20	15
601	8640	N 1	N 500	N 20	300	700	5	N 20	N 50	N 20	1000	20	15
602	8642	N 1	N 500	N 20	300	300	3	N 20	N 50	30	700	15	30
603	8643	100	N 500	> 1000	150	> 10000	3	70	N 50	N 20	700	150	< 10
604	8644	N 1	N 500	< 20	300	700	3	N 20	N 50	N 20	700	50	15
605	8645	N 1	N 500	N 20	300	700	3	N 20	N 50	N 20	150	30	20
606	8647	2	N 500	N 20	1000	7000	N 2	N 20	N 50	50	300	150	H
607	8648	1.5	3000	< 20	70	> 10000	N 2	N 20	N 50	70	150	100	H
608	8649	3	N 500	70	700	2000	3	N 20	N 50	20	150	70	30
609	8650	N 1	N 500	N 20	5000	3000	3	N 20	N 50	30	200	20	15
610	8651	N 1	N 500	N 20	70	7000	N 2	N 20	N 50	< 20	150	100	< 10
611	8652	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	20	150	70	10
612	8653	20	700	500	70	> 10000	2	700	N 50	30	70	150	10
613	8656	3	N 500	N 20	70	5000	N 2	N 20	N 50	70	100	150	H
614	8657	N 1	N 500	N 20	70	1500	3	N 20	H	< 20	30	< 10	15
615	8658	N 1	N 500	N 20	100	> 10000	3	N 20	N 50	50	150	70	15
616	8659	N 1	N 500	N 20	500	> 10000	N 2	< 20	N 50	30	70	50	15
617	8660	1.5	N 500	N 20	70	7000	N 2	N 20	H	< 20	150	10	< 10
618	8664	N 1	N 500	N 20	70	> 10000	3	50	N 50	< 20	1000	H	15
619	8665	N 1	N 500	N 20	150	> 10000	3	N 20	N 50	30	200	70	15
620	8667	N 1	N 500	N 20	300	> 10000	3	N 20	N 50	N 20	300	10	15
621	8668	N 1	N 500	N 20	300	> 10000	5	N 20	N 50	< 20	700	10	15
622	8669	N 1	N 500	N 20	2000	700	N 2	N 20	N 50	30	500	150	20
623	8670	N 1	1000	N 20	20	150	N 2	N 20	N 50	N 20	70	< 10	10
624	8671	N 1	N 500	N 20	200	500	3	N 20	N 50	30	700	10	15

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
577	8592	N 20	1500	1500	20	100	< 10	30	N 200	70	70	300	1000
578	8595	N 20	300	300	N 10	70	15	50	N 200	50	30	300	N 200
579	8597	N 20	300	1500	N 10	50	10	70	N 200	70	700	300	N 200
580	8598	N 20	150	3000	N 10	100	100	200	N 200	30	N 20	500	N 200
581	8603	N 20	300	1500	N 10	70	30	30	N 200	70	< 20	1000	N 200
582	8608	N 20	100	700	N 10	70	20	200	N 200	30	N 20	1500	N 200
583	8609	N 20	200	700	N 10	100	30	70	N 200	70	70	1500	H
584	8610	N 20	150	500	N 10	70	20	70	N 200	30	< 20	5000	N 200
585	8613	N 20	700	10000	N 10	70	70	100	300	100	N 20	2000	N 200
586	8616	N 20	200	700	N 10	150	15	70	N 200	70	< 20	700	N 200
587	8617	N 20	500	1500	N 10	150	20	70	N 200	70	< 20	700	N 200
588	8619	N 20	300	3000	N 10	100	20	70	N 200	70	N 20	3000	N 200
589	8620	N 20	150	700	N 10	100	15	50	N 200	70	< 20	300	N 200
590	8622	N 20	300	700	N 10	200	20	50	N 200	70	< 20	700	N 200
591	8624	N 20	N 100	700	N 10	< 50	< 10	20	N 200	20	N 20	300	N 200
592	8625	N 20	< 100	3000	N 10	< 50	15	30	N 200	50	N 20	< 200	N 200
593	8626	N 20	< 100	2000	N 10	< 50	15	30	N 200	15	30	300	N 200
594	8627	N 20	150	3000	15	< 50	70	30	N 200	30	N 20	200	N 200
595	8628	N 20	200	1500	N 10	< 50	15	30	N 200	30	< 20	700	N 200
596	8629	N 20	150	3000	N 10	< 50	70	30	500	30	N 20	1000	N 200
597	8630	N 20	150	500	70	150	10	150	N 200	30	< 20	700	N 200
598	8631	70	100	500	N 10	50	20	30	N 200	20	N 20	2000	N 200
599	8635	N 20	2000	1500	N 10	100	50	70	N 200	100	N 20	1500	N 200
600	8639	N 20	1500	1000	N 10	70	15	100	N 200	150	30	700	N 200
601	8640	N 20	1000	1000	N 10	100	30	70	N 200	150	30	700	N 200
602	8642	N 20	150	5000	N 10	70	50	50	N 200	70	N 20	700	N 200
603	8643	N 20	1000	500	70	150	50	300	300	70	100	700	N 200
604	8644	N 20	150	1500	N 10	150	30	50	N 200	100	30	500	N 200
605	8645	N 20	150	3000	N 10	100	30	50	N 200	70	20	1000	N 200
606	8647	N 20	300	1000	15	70	150	70	N 200	30	N 20	200	N 200
607	8648	N 20	300	1000	N 10	70	100	150	N 200	50	N 20	700	N 200
608	8649	N 20	150	1500	N 10	50	30	70	N 200	30	N 20	300	N 200
609	8650	N 20	150	1500	N 10	70	50	150	N 200	50	N 20	300	N 200
610	8651	N 20	700	1500	N 10	< 50	15	< 20	N 200	15	N 20	700	N 200
611	8652	N 20	300	1000	N 10	50	30	30	N 200	50	N 20	1000	N 200
612	8653	N 20	200	1500	N 10	100	30	30	N 200	50	> 2000	1500	N 200
613	8656	N 20	500	2000	30	70	300	150	N 200	20	50	700	N 200
614	8657	N 20	300	300	N 10	100	< 10	30	N 200	50	150	700	N 200
615	8658	N 20	300	700	N 10	100	70	70	N 200	50	N 20	1500	N 200
616	8659	N 20	700	700	N 10	< 50	100	30	N 200	15	30	1500	N 200
617	8660	N 20	700	500	N 10	< 50	15	30	N 200	30	30	500	N 200
618	8664	N 20	300	500	N 10	70	20	70	N 200	50	< 20	1500	N 200
619	8665	N 20	700	300	N 10	70	50	100	N 200	70	70	1500	N 200
620	8667	N 20	1000	300	N 10	70	10	100	N 200	50	< 20	7000	N 200
621	8668	N 20	700	700	N 10	70	15	70	N 200	70	30	2000	N 200
622	8669	N 20	200	1500	N 10	50	30	70	N 200	70	< 20	700	N 200
623	8670	N 20	2000	1500	70	500	< 10	30	N 200	H	200	< 200	500
624	8671	N 20	300	1000	15	70	20	30	N 200	150	70	300	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
577	8592	200	200	700	N 500
578	8595	500	N 50	500	N 500
579	8597	150	300	700	3000
580	8598	150	> 20000	500	N 500
581	8603	300	70	300	N 500
582	8608	300	50	300	N 500
583	8609	700	50	200	N 500
584	8610	300	50	200	N 500
585	8613	300	N 50	300	N 500
586	8616	700	70	300	N 500
587	8617	300	70	500	N 500
588	8619	300	N 50	200	N 500
589	8620	700	70	200	N 500
590	8622	200	70	300	N 500
591	8624	300	70	70	N 500
592	8625	300	N 50	150	N 500
593	8626	150	N 50	70	N 500
594	8627	200	N 50	300	N 500
595	8628	300	N 50	200	N 500
596	8629	150	5000	150	N 500
597	8630	300	70	200	1500
598	8631	200	N 50	150	N 500
599	8635	700	50	150	N 500
600	8639	700	N 50	300	N 500
601	8640	700	50	300	N 500
602	8642	300	N 50	150	N 500
603	8643	500	> 20000	300	N 500
604	8644	300	10000	200	N 500
605	8645	300	150	150	N 500
606	8647	300	N 50	200	N 500
607	8648	200	N 50	500	N 500
608	8649	200	N 50	150	N 500
609	8650	700	150	100	N 500
610	8651	150	N 50	700	N 500
611	8652	300	150	500	N 500
612	8653	150	7000	200	N 500
613	8656	200	300	500	N 500
614	8657	150	N 50	500	N 500
615	8658	300	N 50	200	N 500
616	8659	200	N 50	500	N 500
617	8660	150	150	500	N 500
618	8664	700	N 50	150	N 500
619	8665	300	N 50	200	3000
620	8667	300	N 50	150	N 500
621	8668	700	N 50	150	N 500
622	8669	700	N 50	100	N 500
623	8670	700	100	1500	N 500
624	8671	700	N 50	300	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	i-Tl%
625	8672	D-311251	610310	1600945	61.05278	160.16250	5	2	1.5	0.5	1.5	> 2
626	8673	D-311252	610620	1600750	61.10556	160.13060	15	2	3	< 0.5	0.7	> 2
627	8674	D-311253	610830	1600538	61.14167	160.09390	20	7	15	1	< 0.5	> 2
628	8675	D-311321	610918	1595540	61.15500	159.92780	15	1	0.3	< 0.5	7	> 2
629	8676	D-311322	610914	1595532	61.15389	159.92560	15	1	0.7	< 0.5	20	> 2
630	8677	D-311323	610532	1595445	61.09222	159.91250	15	1	0.5	< 0.5	1.5	> 2
631	8679	D-311325	610238	1595147	61.04389	159.86310	3	3	2	1	0.7	> 2
632	8680	D-311326	610612	1594735	61.10333	159.79310	15	2	3	0.7	3	> 2
633	8681	D-311327	610118	1600328	61.02167	160.05780	15	0.5	0.15	< 0.5	1	> 2
634	8682	D-311328	610105	1600509	61.01805	160.08580	15	0.5	0.1	< 0.5	1	> 2
635	8683	D-311329	603108	1600835	60.51889	160.14310	10	2	3	< 0.5	5	> 2
636	8684	D-311330	603213	1600755	60.53695	160.13190	15	3	3	< 0.5	3	> 2
637	8685	D-311331	603336	1600531	60.56000	160.09190	10	3	3	< 0.5	3	> 2
638	8686	D-311332	603446	1600304	60.57944	160.05110	7	3	2	< 0.5	7	> 2
639	8688	D-311334	603217	1595717	60.53806	159.95470	1.5	1	2	< 0.5	1.5	> 2
640	8696	D-313914	601606	1605614	60.26833	160.93720	1	2	1.5	0.7	3	> 2
641	8697	D-313915	601251	1605530	60.21417	160.92500	1.5	1	0.7	0.7	5	> 2
642	8698	D-313916	601025	1604952	60.17361	160.83110	20	1	0.5	0.7	7	> 2
643	8699	D-313917	600910	1604841	60.15278	160.81140	1.5	0.5	0.3	< 0.5	3	> 2
644	8700	D-313918	601035	1604150	60.17639	160.69720	0.7	0.5	0.3	< 0.5	2	> 2
645	8701	D-313919	600829	1604140	60.14139	160.69440	1	0.7	0.7	< 0.5	3	> 2
646	8702	D-313920	600454	1604359	60.08167	160.73310	0.7	0.3	0.3	< 0.5	1.5	> 2
647	8703	D-313921	600221	1604714	60.03917	160.78720	0.7	0.5	0.3	< 0.5	2	> 2
648	8705	D-313923	600044	1604155	60.01222	160.69860	1	1	0.7	< 0.5	5	> 2
649	8706	D-313924	600804	1590900	60.13445	159.15000	15	1	2	0.7	3	> 2
650	8707	D-313925	600815	1591300	60.13750	159.21670	30	1	0.3	< 0.5	1	0.7
651	8708	D-313926	600928	1591145	60.15778	159.19580	30	7	0.3	0.7	3	0.7
652	8709	D-313927	601120	1590850	60.18889	159.14720	10	2	1.5	0.7	5	> 2
653	8711	D-313928	601120	1591351	60.18889	159.23080	15	15	0.3	< 0.5	< 0.5	0.7
654	8712	D-311505	600910	1592113	60.15278	159.35360	20	1	0.3	< 0.5	N 0.5	0.2
655	8713	D-311506	600818	1592300	60.13833	159.38330	20	1	0.5	< 0.5	0.7	2
656	8714	D-311507	600618	1592220	60.10500	159.37220	2	3	0.15	< 0.5	1	1
657	8715	D-311508	600900	1592735	60.15000	159.45970	30	3	0.5	0.7	10	> 2
658	8716	D-311509	600627	1592735	60.10750	159.45970	30	2	0.7	0.7	2	> 2
659	8717	D-311510	600405	1592421	60.06805	159.40580	30	1.5	0.3	< 0.5	N 0.5	0.15
660	8718	D-311511	600403	1592436	60.06750	159.41000	30	3	0.7	0.5	0.7	2
661	8719	D-311512	600535	1593100	60.09306	159.51670	30	10	1.5	1.5	3	0.3
662	8720	D-311513	600521	1593438	60.08917	159.57720	15	3	1	1.5	3	2
663	8724	D-311515	603330	1603250	60.55833	160.54720	1	1	0.5	< 0.5	3	> 2
664	8725	D-311516	603530	1603810	60.59167	160.63610	7	1	0.7	< 0.5	0.7	> 2
665	8726	D-311517	603820	1603810	60.63889	160.63610	5	1	0.7	< 0.5	3	> 2
666	8728	D-311518	604107	1603934	60.68528	160.65940	10	2	0.7	1	1.5	> 2
667	8732	D-311428	611350	1600510	61.23056	160.08610	20	3	1.5	< 0.5	3	> 2
668	8734	D-311429	611440	1595410	61.24445	159.90280	30	0.7	0.5	0.5	> 20	0.3
669	8735	D-311430	611233	1595036	61.20917	159.84330	10	0.3	0.15	< 0.5	7	0.3
670	8736	D-311431	611318	1594854	61.22167	159.81500	15	2	1	0.5	10	> 2
671	8737	D-311432	610845	1594742	61.14583	159.79500	15	2	1	0.5	1.5	> 2
672	8738	D-311433	610744	1594625	61.12889	159.77360	20	2	1.5	< 0.5	2	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
625	8672	N 1	N 500	N 20	70	700	2	N 20	N 50	20	150	10	20
626	8673	N 1	700	N 20	30	200	N 2	N 20	N 50	N 20	500	< 10	< 10
627	8674	N 1	700	N 20	70	150	2	N 20	N 50	50	2000	< 10	10
628	8675	N 1	N 500	N 20	70	200	N 2	300	H	N 20	100	< 10	< 10
629	8676	N 1	N 500	N 20	70	200	N 2	< 20	H	N 20	70	< 10	< 10
630	8677	N 1	700	N 20	30	150	N 2	700	N 50	N 20	70	< 10	< 10
631	8679	N 1	N 500	N 20	300	700	3	300	N 50	50	150	50	20
632	8680	20	N 500	300	70	300	N 2	< 20	N 50	50	100	50	15
633	8681	N 1	N 500	N 20	30	150	N 2	70	N 50	N 20	< 20	< 10	< 10
634	8682	N 1	N 500	N 20	30	200	N 2	< 20	H	N 20	< 20	< 10	< 10
635	8683	N 1	500	N 20	150	1500	7	N 20	N 50	N 20	700	15	15
636	8684	N 1	500	N 20	150	1500	3	N 20	N 50	N 20	300	< 10	15
637	8685	N 1	500	N 20	300	1500	3	N 20	N 50	30	300	30	15
638	8686	N 1	N 500	N 20	70	3000	3	N 20	N 50	30	700	20	15
639	8688	N 1	500	N 20	70	300	5	N 20	N 50	N 20	150	30	< 10
640	8696	N 1	N 500	N 20	70	300	3	N 20	N 50	< 20	200	< 10	15
641	8697	N 1	N 500	N 20	70	700	N 2	N 20	N 50	< 20	150	< 10	10
642	8698	300	N 500	N 20	150	700	3	N 20	N 50	< 20	150	< 10	15
643	8699	N 1	N 500	N 20	150	700	3	N 20	N 50	N 20	150	< 10	10
644	8700	10	N 500	N 20	150	300	3	N 20	N 50	N 20	150	< 10	< 10
645	8701	N 1	N 500	N 20	150	700	3	N 20	N 50	N 20	300	< 10	15
646	8702	N 1	N 500	N 20	30	700	3	N 20	N 50	N 20	300	< 10	< 10
647	8703	N 1	N 500	N 20	70	3000	3	N 20	N 50	N 20	300	< 10	< 10
648	8705	N 1	N 500	N 20	150	700	3	N 20	N 50	N 20	200	< 10	15
649	8706	N 1	N 500	N 20	1500	> 10000	3	N 20	N 50	30	500	50	20
650	8707	N 1	N 500	N 20	> 5000	300	3	N 20	N 50	< 20	50	10	30
651	8708	3	N 500	N 20	1000	> 10000	N 2	N 20	N 50	70	30	150	20
652	8709	N 1	700	N 20	150	> 10000	3	N 20	N 50	30	150	70	15
653	8711	N 1	N 500	N 20	> 5000	> 10000	3	N 20	N 50	100	30	150	20
654	8712	N 1	N 500	N 20	200	300	5	N 20	N 50	N 20	< 20	< 10	30
655	8713	N 1	N 500	N 20	> 5000	10000	5	N 20	N 50	< 20	50	50	30
656	8714	N 1	N 500	N 20	3000	> 10000	N 2	N 20	N 50	< 20	20	150	< 10
657	8715	N 1	N 500	N 20	3000	> 10000	5	N 20	N 50	30	300	150	15
658	8716	N 1	N 500	N 20	3000	> 10000	5	N 20	N 50	N 20	70	30	30
659	8717	< 1	N 500	N 20	> 5000	700	5	N 20	N 50	N 20	< 20	< 10	30
660	8718	N 1	N 500	N 20	> 5000	1000	10	N 20	N 50	20	30	30	30
661	8719	< 1	N 500	N 20	> 5000	> 10000	3	N 20	N 50	30	150	50	15
662	8720	N 1	N 500	N 20	3000	> 10000	3	N 20	N 50	< 20	150	30	15
663	8724	N 1	N 500	N 20	300	3000	3	N 20	N 50	N 20	500	< 10	15
664	8725	N 1	N 500	N 20	150	1500	3	N 20	N 50	N 20	300	70	30
665	8726	N 1	N 500	N 20	100	700	7	N 20	N 50	N 20	150	< 10	15
666	8728	N 1	N 500	N 20	150	500	2	N 20	N 50	< 20	70	10	20
667	8732	N 1	N 500	N 20	70	300	5	N 20	N 50	N 20	< 20	< 10	20
668	8734	1	N 500	N 20	30	150	N 2	N 20	N 50	N 20	< 20	< 10	< 10
669	8735	N 1	N 500	N 20	30	200	N 2	30	N 50	N 20	100	< 10	< 10
670	8736	30	N 500	500	70	700	3	N 20	N 50	N 20	100	< 10	15
671	8737	N 1	N 500	N 20	30	300	< 2	300	N 50	N 20	150	70	10
672	8738	N 1	N 500	N 20	30	700	N 2	300	N 50	N 20	150	10	15

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
625	8672	N 20	300	1500	15	70	10	70	N 200	150	30	700	N 200
626	8673	N 20	1500	1000	20	300	15	30	N 200	150	300	< 200	700
627	8674	N 20	N 100	1500	N 10	< 50	100	30	N 200	150	N 20	300	N 200
628	8675	N 20	1000	1000	N 10	70	< 10	30	N 200	30	N 20	300	N 200
629	8676	N 20	1000	700	N 10	50	< 10	20	N 200	50	N 20	500	N 200
630	8677	N 20	2000	1500	70	500	< 10	30	N 200	30	300	300	N 200
631	8679	N 20	150	1500	15	100	10	70	N 200	70	70	300	N 200
632	8680	N 20	700	1500	15	70	15	30	N 200	30	100	300	N 200
633	8681	N 20	1500	1500	200	200	< 10	30	N 200	50	200	< 200	700
634	8682	N 20	700	1000	30	70	< 10	30	N 200	50	150	< 200	1500
635	8683	N 20	150	1500	N 10	70	100	70	N 200	50	N 20	1500	N 200
636	8684	N 20	150	3000	N 10	100	15	50	N 200	70	N 20	700	N 200
637	8685	N 20	150	3000	N 10	100	15	50	N 200	70	N 20	700	N 200
638	8686	N 20	300	3000	N 10	70	20	70	N 200	70	100	2000	N 200
639	8688	N 20	200	1000	N 10	200	< 10	50	N 200	50	N 20	300	N 200
640	8696	N 20	300	1000	N 10	< 50	15	< 20	N 200	70	< 20	300	N 200
641	8697	N 20	300	700	N 10	50	15	30	N 200	50	< 20	300	N 200
642	8698	N 20	700	1500	N 10	70	15	30	N 200	50	< 20	700	N 200
643	8699	N 20	700	300	N 10	70	10	30	N 200	70	30	700	N 200
644	8700	N 20	300	500	N 10	70	< 10	30	N 200	50	N 20	300	N 200
645	8701	N 20	200	500	N 10	70	15	50	N 200	50	< 20	300	N 200
646	8702	N 20	< 100	500	N 10	70	< 10	50	N 200	50	N 20	< 200	N 200
647	8703	N 20	150	500	N 10	100	10	30	N 200	50	< 20	300	N 200
648	8705	N 20	500	1500	N 10	70	15	50	N 200	70	< 20	700	N 200
649	8706	N 20	150	300	N 10	70	50	20	N 200	30	N 20	700	N 200
650	8707	N 20	N 100	1500	15	< 50	10	< 20	N 200	15	N 20	300	N 200
651	8708	N 20	< 100	3000	N 10	< 50	70	700	N 200	15	N 20	3000	N 200
652	8709	N 20	150	300	N 10	70	50	30	N 200	30	< 20	1500	N 200
653	8711	N 20	N 100	500	N 10	< 50	150	200	N 200	20	< 20	500	N 200
654	8712	N 20	N 100	700	N 10	< 50	< 10	< 20	N 200	10	N 20	300	N 200
655	8713	N 20	N 100	1500	300	< 50	< 10	< 20	N 200	20	N 20	300	N 200
656	8714	N 20	N 100	700	15	< 50	30	< 20	N 200	10	N 20	5000	N 200
657	8715	N 20	300	3000	15	70	30	200	700	30	N 20	1000	N 200
658	8716	N 20	< 100	1500	N 10	50	15	50	N 200	30	N 20	700	N 200
659	8717	N 20	N 100	1000	N 10	< 50	< 10	N 20	N 200	10	N 20	300	N 200
660	8718	N 20	N 100	1000	15	< 50	30	< 20	N 200	20	N 20	300	N 200
661	8719	N 20	150	1500	20	< 50	100	20	N 200	15	N 20	1000	N 200
662	8720	N 20	150	1500	30	< 50	50	30	N 200	30	< 20	700	N 200
663	8724	N 20	700	700	N 10	70	15	70	N 200	70	700	700	N 200
664	8725	N 20	300	500	N 10	70	< 10	30	N 200	50	70	1500	N 200
665	8726	N 20	200	700	N 10	100	< 10	70	N 200	100	700	500	N 200
666	8728	N 20	< 100	1000	N 10	50	10	20	N 200	50	< 20	700	N 200
667	8732	N 20	300	1500	N 10	70	10	50	N 200	70	30	500	300
668	8734	N 20	2000	1000	N 10	< 50	< 10	< 20	N 200	15	N 20	700	N 200
669	8735	N 20	500	300	N 10	< 50	< 10	< 20	N 200	20	N 20	300	N 200
670	8736	N 20	300	1000	15	70	< 10	70	N 200	70	50	500	N 200
671	8737	N 20	500	1500	30	150	< 10	30	N 200	70	200	300	N 200
672	8738	N 20	700	1500	70	150	< 10	20	N 200	20	150	300	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
625	8672	700	N 50	300	N 500
626	8673	300	70	1500	N 500
627	8674	500	N 50	70	N 500
628	8675	300	70	700	N 500
629	8676	150	70	500	N 500
630	8677	700	100	700	N 500
631	8679	1500	70	300	N 500
632	8680	300	N 50	700	N 500
633	8681	300	500	700	N 500
634	8682	300	150	700	N 500
635	8683	300	70	500	N 500
636	8684	500	70	300	N 500
637	8685	700	70	300	N 500
638	8686	700	70	300	N 500
639	8688	300	70	300	N 500
640	8696	150	100	300	N 500
641	8697	200	N 50	500	N 500
642	8698	300	N 50	500	N 500
643	8699	500	N 50	300	N 500
644	8700	300	300	700	N 500
645	8701	500	N 50	300	N 500
646	8702	300	N 50	500	N 500
647	8703	700	N 50	200	N 500
648	8705	300	N 50	300	N 500
649	8706	300	N 50	150	N 500
650	8707	300	N 50	70	N 500
651	8708	200	500	150	N 500
652	8709	300	N 50	300	N 500
653	8711	150	N 50	150	1500
654	8712	100	N 50	30	N 500
655	8713	200	N 50	100	N 500
656	8714	100	N 50	70	N 500
657	8715	300	5000	300	1500
658	8716	300	300	150	N 500
659	8717	150	N 50	30	N 500
660	8718	300	N 50	70	1500
661	8719	150	150	150	N 500
662	8720	150	300	150	N 500
663	8724	700	N 50	300	2000
664	8725	700	N 50	150	N 500
665	8726	500	N 50	300	N 500
666	8728	300	N 50	150	N 500
667	8732	200	N 50	1500	N 500
668	8734	70	N 50	1000	N 500
669	8735	70	N 50	700	N 500
670	8736	300	70	500	N 500
671	8737	500	70	700	N 500
672	8738	700	200	500	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	S-TI%
673	8739	D-311434	610505	1594804	61.08472	159.80110	10	3	0.7	<0.5	7	>2
674	8740	D-311435	604752	1601757	60.79778	160.29920	3	2	0.7	<0.5	3	>2
675	8744	D-311438	604116	1601012	60.68778	160.17000	3	3	0.7	<0.5	3	>2
676	8745	D-311400	604114	1601020	60.68722	160.17220	2	1	0.5	<0.5	2	>2
677	8746	D-311401	603924	1600937	60.65667	160.16030	10	1	1.5	<0.5	7	>2
678	8747	D-311402	603818	1601333	60.63833	160.22580	7	0.7	0.3	<0.5	3	>2
679	8748	D-311403	603547	1601456	60.59639	160.24890	5	1	0.7	<0.5	3	>2
680	8749	D-311404	603220	1602240	60.53889	160.37780	7	3	1.5	0.5	3	>2
681	8753	D-311405	603740	1602017	60.62778	160.33810	15	1	0.7	<0.5	5	>2
682	8755	D-311406	604130	1604345	60.69167	160.72920	7	2	1	1	1.5	>2
683	8757	D-311408	603645	1604500	60.61250	160.75000	15	0.3	0.2	<0.5	1.5	>2
684	8758	D-311409	603639	1604500	60.61083	160.75000	10	1	1.5	<0.5	1.5	>2
685	8759	D-311410	603636	1604456	60.61000	160.74890	7	0.7	0.7	0.7	1.5	>2
686	8760	D-311411	603633	1604505	60.60917	160.75140	7	0.7	0.5	0.7	1.5	>2
687	8761	D-311412	603104	1604048	60.51778	160.68000	10	3	3	1.5	0.7	>2
688	8763	D-311475	600334	1593920	60.05944	159.65550	15	7	1.5	0.7	1.5	0.7
689	8764	D-311476	600318	1593030	60.05500	159.50830	15	1	0.15	<0.5	1.5	0.3
690	8765	D-311477	600212	1593309	60.03667	159.55250	3	5	0.15	<0.5	0.7	0.2
691	8767	D-311479	600008	1594249	60.00222	159.71360	15	7	1.5	0.7	7	1
692	8772	D-311482	610554	1594321	61.09833	159.72250	15	5	1	0.7	0.7	>2
693	8773	D-311483	610547	1593937	61.09639	159.66030	15	3	3	0.7	1	>2
694	8774	D-312911	603511	1591450	60.58639	159.24720	5	3	0.7	<0.5	5	>2
695	8775	D-312912	603429	1591217	60.57472	159.20470	7	7	1	0.7	3	>2
696	8776	D-312913	603401	1590908	60.56694	159.15220	20	7	0.7	0.5	3	>2
697	8778	D-312870	603200	1590854	60.53333	159.14830	20	0.5	0.5	0.5	>20	>2
698	8779	D-312871	603016	1590418	60.50444	159.07170	20	1	0.7	<0.5	3	>2
699	8781	D-312874	603333	1590303	60.55917	159.05080	30	1	0.7	1.5	10	>2
700	8782	D-313250	600753	1602531	60.13139	160.42530	10	3	2	0.7	3	>2
701	8784	D-313251	600518	1602822	60.08833	160.47280	7	1	0.5	<0.5	3	>2
702	8785	D-313252	600033	1602840	60.00917	160.47780	10	2	1.5	<0.5	3	>2
703	8786	D-313253	600308	1602736	60.05222	160.46000	3	1	0.7	<0.5	1.5	>2
704	8787	D-313254	601100	1601335	60.18333	160.22640	7	0.7	1	<0.5	3	>2
705	8788	D-313255	600752	1594214	60.13111	159.70390	10	10	3	<0.5	5	1.5
706	8789	D-313256	600820	1594400	60.13889	159.73330	5	0.7	0.5	<0.5	1.5	0.3
707	8790	D-313257	601156	1593745	60.19889	159.62920	20	0.5	0.2	<0.5	20	2
708	8791	D-313258	601236	1594445	60.21000	159.74580	5	0.2	0.1	0.7	3	0.3
709	8792	D-313259	601346	1594649	60.22944	159.78030	5	0.3	0.07	1.5	3	0.3
710	8793	D-313260	601730	1594139	60.29167	159.69420	5	0.3	0.07	1.5	3	0.3
711	8793D	D-313261	601730	1594139	60.29167	159.69420	7	0.3	0.07	0.7	3	0.5
712	8794	D-313262	602627	1594207	60.44083	159.70200	3	7	2	<0.5	1.5	>2
713	8795	D-313263	602801	1593712	60.46695	159.62000	15	2	1	<0.5	7	>2
714	8796	D-313264	602842	1594500	60.47833	159.75000	20	7	0.7	0.5	7	1
715	8797	D-313265	602755	1594535	60.46528	159.75970	5	7	1	0.5	3	>2
716	8799	D-313266	602530	1594856	60.42500	159.81560	7	3	3	0.7	3	>2
717	8800	D-313267	602504	1593942	60.41778	159.66170	10	3	3	<0.5	3	>2
718	8801	D-313268	602930	1593500	60.49166	159.58330	5	2	0.7	<0.5	3	>2
719	8802	D-313269	603211	1593618	60.53639	159.60500	7	3	0.3	<0.5	5	>2
720	8803	D-313270	603205	1593700	60.53472	159.61670	5	30	0.1	<0.5	N 0.5	0.7

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
673	8739	20	N 500	200	30	300	N 2	> 2000	N 50	N 20	150	30	< 10
674	8740	N 1	N 500	N 20	70	1500	3	70	N 50	N 20	150	< 10	< 10
675	8744	N 1	N 500	N 20	300	1500	10	N 20	N 50	N 20	300	150	< 10
676	8745	N 1	N 500	N 20	200	1000	5	N 20	N 50	N 20	300	< 10	< 10
677	8746	N 1	N 500	N 20	150	300	3	N 20	N 50	< 20	300	10	< 10
678	8747	N 1	N 500	N 20	50	1000	20	N 20	N 50	N 20	50	< 10	10
679	8748	N 1	N 500	N 20	70	1000	3	N 20	N 50	30	300	< 10	< 10
680	8749	N 1	N 500	N 20	150	3000	3	N 20	N 50	< 20	300	< 10	15
681	8753	N 1	N 500	N 20	500	1500	3	N 20	N 50	N 20	150	< 10	10
682	8755	N 1	N 500	N 20	150	700	3	N 20	N 50	< 20	100	< 10	15
683	8757	3000	N 500	> 1000	30	150	N 2	1500	N 50	30	150	50	< 10
684	8758	3	N 500	20	70	300	N 2	200	N 50	< 20	200	300	< 10
685	8759	3	N 500	30	70	300	N 2	700	N 50	N 20	150	15	10
686	8760	N 1	N 500	N 20	30	300	2	N 20	N 50	N 20	200	< 10	10
687	8761	N 1	N 500	N 20	70	150	N 2	N 20	N 50	20	500	< 10	15
688	8763	1.5	N 500	N 20	1500	> 10000	2	N 20	N 50	50	500	50	15
689	8764	N 1	N 500	N 20	> 5000	> 10000	3	N 20	N 50	< 20	< 20	15	15
690	8765	N 1	N 500	N 20	700	> 10000	N 2	N 20	N 50	< 20	< 20	70	< 10
691	8767	N 1	N 500	N 20	500	> 10000	3	N 20	N 50	30	300	150	15
692	8772	N 1	N 500	N 20	20	1000	N 2	N 20	N 50	< 20	150	30	20
693	8773	N 1	N 500	N 20	< 20	700	< 2	N 20	N 50	30	700	30	15
694	8774	N 1	1500	N 20	300	3000	7	N 20	N 50	50	300	100	20
695	8775	N 1	1500	N 20	100	> 10000	5	N 20	N 50	100	700	150	20
696	8776	3	7000	N 20	100	300	N 2	N 20	N 50	70	30	1000	15
697	8778	N 1	700	N 20	30	300	3	50	N 50	N 20	< 20	< 10	15
698	8779	N 1	N 500	N 20	70	1500	3	N 20	N 50	< 20	150	70	20
699	8781	N 1	N 500	N 20	30	500	N 2	N 20	N 50	< 20	150	15	20
700	8782	N 1	N 500	N 20	200	700	2	N 20	N 50	30	300	< 10	15
701	8784	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	< 20	150	15	< 10
702	8785	N 1	N 500	N 20	150	700	2	N 20	N 50	< 20	150	< 10	< 10
703	8786	N 1	N 500	N 20	70	300	2	N 20	N 50	N 20	150	< 10	< 10
704	8787	N 1	N 500	N 20	70	150	N 2	N 20	N 50	< 20	150	< 10	< 10
705	8788	N 1	N 500	N 20	1000	3000	< 2	N 20	N 50	30	150	150	15
706	8789	1	N 500	N 20	700	150	N 2	N 20	N 50	N 20	70	< 10	< 10
707	8790	< 1	N 500	N 20	150	150	< 2	N 20	N 50	N 20	< 20	< 10	< 10
708	8791	1	N 500	N 20	30	700	N 2	N 20	N 50	N 20	< 20	< 10	< 10
709	8792	10	N 500	30	100	700	2	N 20	N 50	N 20	< 20	< 10	< 10
710	8793	< 1	N 500	N 20	20	300	< 2	N 20	N 50	N 20	< 20	< 10	10
711	8793D	< 1	N 500	N 20	30	300	< 2	N 20	N 50	N 20	< 20	< 10	< 10
712	8794	N 1	N 500	N 20	200	> 10000	3	N 20	N 50	50	1500	150	10
713	8795	N 1	N 500	N 20	500	300	N 2	N 20	N 50	N 20	150	< 10	< 10
714	8796	< 1	N 500	N 20	30	> 10000	N 2	N 20	N 50	20	100	30	10
715	8797	N 1	N 500	N 20	30	> 10000	< 2	N 20	N 50	20	70	70	10
716	8799	N 1	N 500	N 20	30	300	N 2	N 20	N 50	< 20	300	< 10	15
717	8800	N 1	N 500	N 20	300	150	3	N 20	N 50	< 20	1500	10	< 10
718	8801	10	N 500	50	50	> 10000	< 2	N 20	N 50	< 20	700	10	< 10
719	8802	< 1	N 500	N 20	70	> 10000	3	N 20	N 50	50	70	50	10
720	8803	2	N 500	N 20	20	7000	N 2	N 20	N 50	100	20	100	H

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
673	8739	N 20	500	300	100	70	< 10	150	N 200	50	50	300	N 200
674	8740	N 20	300	300	N 10	70	< 10	30	N 200	70	150	500	N 200
675	8744	N 20	500	300	N 10	70	20	30	N 200	50	30	500	N 200
676	8745	N 20	300	300	N 10	100	15	70	N 200	70	< 20	300	N 200
677	8746	N 20	700	1500	N 10	70	15	20	N 200	70	< 20	1000	N 200
678	8747	N 20	200	700	N 10	100	< 10	50	N 200	70	50	300	N 200
679	8748	N 20	150	500	N 10	70	30	30	N 200	70	< 20	300	N 200
680	8749	N 20	300	700	N 10	50	15	30	N 200	70	< 20	700	N 200
681	8753	N 20	300	700	N 10	50	< 10	30	N 200	50	< 20	700	N 200
682	8755	N 20	< 100	700	N 10	< 50	10	20	N 200	50	< 20	300	N 200
683	8757	N 20	700	150	1000	150	< 10	70	N 200	50	150	< 200	300
684	8758	N 20	300	700	50	70	< 10	30	N 200	50	300	300	N 200
685	8759	N 20	150	300	70	70	< 10	20	N 200	70	200	300	N 200
686	8760	N 20	300	300	70	70	< 10	30	N 200	30	200	300	1000
687	8761	N 20	N 100	1500	15	< 50	20	< 20	N 200	70	N 20	700	N 200
688	8763	N 20	N 100	1500	30	< 50	100	20	N 200	30	N 20	700	N 200
689	8764	N 20	N 100	1000	N 10	< 50	< 10	< 20	N 200	< 10	N 20	2000	N 200
690	8765	N 20	N 100	700	N 10	< 50	20	< 20	N 200	< 10	N 20	3000	N 200
691	8767	N 20	< 100	2000	20	< 50	50	1000	N 200	30	700	700	N 200
692	8772	N 20	< 100	1500	N 10	< 50	15	< 20	N 200	50	N 20	700	N 200
693	8773	N 20	< 100	1500	N 10	< 50	70	30	N 200	70	70	300	N 200
694	8774	N 20	200	1500	15	150	30	150	300	30	30	700	N 200
695	8775	N 20	150	1500	N 10	70	100	150	N 200	50	N 20	500	N 200
696	8776	N 20	100	1500	N 10	150	20	50	N 200	50	> 2000	300	N 200
697	8778	N 20	500	5000	N 10	150	< 10	1000	N 200	150	> 2000	300	N 200
698	8779	N 20	100	700	N 10	< 50	15	30	N 200	50	50	700	N 200
699	8781	N 20	500	1000	N 10	< 50	15	< 20	N 200	15	N 20	700	N 200
700	8782	N 20	150	1500	N 10	70	< 10	30	N 200	50	N 20	300	N 200
701	8784	N 20	150	700	N 10	70	< 10	50	N 200	50	N 20	300	N 200
702	8785	N 20	150	1500	N 10	70	10	30	N 200	50	N 20	300	N 200
703	8786	N 20	< 100	300	N 10	70	< 10	30	N 200	30	N 20	200	N 200
704	8787	N 20	300	700	70	< 50	< 10	< 20	N 200	30	< 20	200	N 200
705	8788	N 20	300	3000	30	< 50	15	< 20	N 200	30	N 20	< 200	N 200
706	8789	N 20	150	300	N 10	< 50	< 10	< 20	N 200	30	N 20	< 200	N 200
707	8790	N 20	1000	1500	150	< 50	< 10	< 20	N 200	20	< 20	< 200	300
708	8791	N 20	200	300	70	< 50	< 10	< 20	N 200	20	< 20	< 200	< 200
709	8792	N 20	150	300	50	< 50	< 10	< 20	N 200	15	30	< 200	N 200
710	8793	N 20	300	150	30	< 50	< 10	< 20	N 200	30	N 20	200	N 200
711	8793D	N 20	300	300	N 10	< 50	< 10	< 20	N 200	20	N 20	< 200	N 200
712	8794	N 20	150	5000	N 10	< 50	70	20	N 200	50	700	300	N 200
713	8795	N 20	700	1500	N 10	< 50	< 10	< 20	N 200	50	30	500	N 200
714	8796	N 20	100	1500	N 10	< 50	30	50	N 200	30	< 20	2000	N 200
715	8797	N 20	150	1500	N 10	< 50	20	< 20	< 200	30	> 2000	700	N 200
716	8799	N 20	150	2000	70	< 50	15	< 20	N 200	50	70	300	N 200
717	8800	N 20	300	2000	N 10	< 50	15	< 20	N 200	100	1000	300	N 200
718	8801	N 20	300	1500	N 10	< 50	10	< 20	N 200	70	700	700	N 200
719	8802	N 20	700	300	N 10	70	70	70	N 200	30	< 20	1500	N 200
720	8803	N 20	300	70	N 10	< 50	200	70	N 200	10	N 20	300	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
673	8739	150	5000	500	N 500
674	8740	300	N 50	500	N 500
675	8744	500	N 50	500	N 500
676	8745	700	N 50	200	N 500
677	8746	300	N 50	200	N 500
678	8747	150	N 50	300	N 500
679	8748	700	N 50	200	N 500
680	8749	300	N 50	300	N 500
681	8753	200	N 50	300	N 500
682	8755	200	N 50	150	N 500
683	8757	300 >	20000	300	N 500
684	8758	700	2000	500	N 500
685	8759	700	3000	300	N 500
686	8760	300	1000	300	N 500
687	8761	300	100	70	N 500
688	8763	150	N 50	100	N 500
689	8764	50	N 50	70	N 500
690	8765	30	N 50	70	3000
691	8767	150	N 50	100	N 500
692	8772	300	N 50	100	N 500
693	8773	70	N 50	100	N 500
694	8774	300	500	200	N 500
695	8775	200	N 50	300	N 500
696	8776	150 >	20000	300	N 500
697	8778	150 >	20000	700	N 500
698	8779	300	70	200	N 500
699	8781	150	N 50	700	N 500
700	8782	300	N 50	300	N 500
701	8784	150	N 50	300	N 500
702	8785	200	N 50	300	N 500
703	8786	300	N 50	200	N 500
704	8787	150	150	500	N 500
705	8788	150	150	500	N 500
706	8789	30	N 50	700	N 500
707	8790	50	300	700	N 500
708	8791	< 20	200	700	N 500
709	8792	< 20	150	300	N 500
710	8793	< 20	100	700	N 500
711	8793D	< 20	N 50	500	N 500
712	8794	300	N 50	150	N 500
713	8795	150	70	500	N 500
714	8796	150	N 50	300	N 500
715	8797	150	N 50	300	N 500
716	8799	300	N 50	500	N 500
717	8800	300	N 50	500	N 500
718	8801	150	N 50	300	1000
719	8802	150	300	300	1500
720	8803	30	N 50	70	1500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	TI%
721	8804	D-313271	603332	1593850	60.55889	159.64720	15	2	0.7	< 0.5	5	> 2
722	8805	D-313272	603330	1593840	60.55833	159.64440	10	3	1.5	< 0.5	3	> 2
723	8807	D-313273	603604	1594240	60.60111	159.71110	10	3	3	0.7	3	> 2
724	8811	D-313277	604121	1594516	60.68917	159.75440	7	5	0.3	< 0.7	7	0.7
725	8812	D-313278	604212	1594730	60.70333	159.79170	2	5	0.7	< 0.7	3	> 2
726	8850	D-313327	600916	1593909	60.15445	159.65250	30	0.7	0.1	< 0.5	10	0.3
727	8851	D-313328	601010	1594400	60.16945	159.73330	7	2	1	< 0.5	5	> 2
728	8853	D-313329	601248	1594205	60.21333	159.70140	7	1	0.3	0.7	5	0.7
729	8854	D-313330	601303	1594445	60.21750	159.74580	10	3	0.3	0.7	10	2
730	8855	D-313331	601459	1594059	60.24972	159.68310	15	0.5	0.15	< 0.5	20	2
731	8856	D-313332	601805	1594451	60.30139	159.74750	7	0.3	0.1	1	3	2
732	8856D	D-313333	601805	1594451	60.30139	159.74750	7	0.3	0.1	0.7	5	2
733	8857	D-313334	602656	1593805	60.44889	159.63470	10	2	1.5	< 0.5	5	> 2
734	8858	D-313335	603025	1594024	60.50694	159.67330	1	7	0.5	< 0.5	1.5	2
735	8859	D-313336	602918	1594512	60.48833	159.75330	1.5	10	0.3	< 0.5	3	> 2
736	8860	D-313337	602645	1594932	60.44584	159.82560	1.5	3	0.7	< 0.7	5	> 2
737	8861	D-313338	602750	1594620	60.46389	159.77220	2	5	1	< 1	3	> 2
738	8862	D-313339	602800	1592915	60.46667	159.48750	15	1.5	0.7	0.7	> 20	> 2
739	8864	D-313340	603328	1593640	60.55778	159.61110	1.5	15	0.3	< 0.5	3	> 2
740	8866	D-313342	603250	1593951	60.54722	159.66420	5	5	0.7	< 0.5	5	> 2
741	8867	D-313343	603030	1594238	60.50834	159.71060	2	7	0.7	< 0.5	3	> 2
742	8868	D-313344	603529	1594347	60.59139	159.72970	7	7	7	< 1	5	> 2
743	8869	D-313345	603835	1594810	60.64305	159.80280	1	1	1	< 0.5	3	> 2
744	8900	D-311439	604625	1600845	60.77361	160.14580	2	0.5	0.5	< 0.5	3	> 2
745	8902	D-311440	604325	1601346	60.72361	160.22940	10	2	1.5	< 0.5	7	> 2
746	8903	D-311441	604058	1601358	60.68278	160.23280	10	2	2	< 0.5	3	> 2
747	8908	D-311443	603437	1602149	60.57695	160.36360	7	1	1	< 0.5	5	> 2
748	8909	D-311444	603557	1602330	60.59917	160.39170	7	1	0.7	< 0.5	3	> 2
749	8910	D-311445	603254	1602830	60.54833	160.47500	7	1	1	< 0.5	3	> 2
750	8911	D-311446	604224	1602345	60.70667	160.39580	1.5	0.5	0.5	< 0.5	3	> 2
751	8912	D-311447	603938	1602444	60.66056	160.41220	7	0.7	0.7	< 0.5	3	> 2
752	8915	D-311448	604102	1604418	60.68389	160.73830	15	2	1	0.7	2	> 2
753	8918	D-311451	603302	1604242	60.55056	160.71170	10	3	1.5	0.7	1.5	> 2
754	8919	D-311452	603050	1603840	60.51389	160.64440	0.3	0.7	1	< 0.5	1.5	> 2
755	8921	D-311454	600207	1593041	60.03528	159.51140	15	3	0.3	< 0.5	3	0.7
756	8922	D-311455	600144	1593654	60.02889	159.61500	10	10	0.2	< 0.5	1.5	0.3
757	8923D	D-311457	600344	1594713	60.06222	159.78690	20	7	2	0.7	3	1
758	8925	D-311459	600217	1594522	60.03806	159.75610	10	3	1	0.7	1.5	0.3
759	8926	D-311460	605934	1591935	60.99278	159.32640	0.7	1	0.7	< 0.5	1.5	> 2
760	8928	D-311461	605243	1591645	60.87861	159.27920	7	1	1	< 0.5	7	> 2
761	8930	D-311463	610534	1594411	61.09278	159.73640	15	1	0.5	0.7	7	> 2
762	8931	D-311464	610553	1594008	61.09806	159.66890	10	2	1	1.5	1.5	> 2
763	8934	D-311465	602825	1601513	60.47361	160.25360	5	1	0.7	0.7	N 0.5	> 2
764	8935	D-311466	602532	1601709	60.42556	160.28580	5	0.7	0.7	< 0.5	1.5	> 2
765	8939	D-311467	602002	1601639	60.33389	160.27750	15	2	5	0.5	3	> 2
766	8940	D-311468	602101	1601506	60.35028	160.25170	15	5	7	0.7	0.7	2
767	8942	D-311469	602430	1600657	60.40833	160.11580	7	3	3	< 0.5	0.7	> 2
768	8942D	D-311470	602430	1600657	60.40833	160.11580	10	3	3	0.7	N 0.5	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
721	8804	N 1	N 500	N 20	150	2000	N 2	N 20	N 50	< 20	150	< 10	< 10
722	8805	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	30	70	70	< 10
723	8807	N 1	N 500	N 20	150	500	N 2	N 20	N 50	30	700	10	15
724	8811	700	N 1000	1000	< 50	700	N 5	N 50	N 100	< 50	70	20	< 20
725	8812	< 2	N 1000	N 50	300	3000	N 5	N 50	N 100	70	70	50	< 20
726	8850	N 1	N 500	N 20	150	100	N 2	< 20	N 50	< 20	< 20	< 10	< 10
727	8851	10	N 500	200	200	200	N 2	N 20	N 50	< 20	300	< 10	< 10
728	8853	N 1	N 500	N 20	30	300	N 2	N 20	N 50	N 20	< 20	< 10	< 10
729	8854	7	N 500	150	70	10000	N 2	N 20	N 50	< 20	200	150	10
730	8855	N 1	N 500	N 20	< 20	100	N 2	N 20	N 50	N 20	< 20	< 10	< 10
731	8856	N 1	N 500	N 20	50	200	N 2	N 20	N 50	N 20	< 20	10	10
732	8856D	70	N 500	700	30	150	N 2	N 20	N 50	N 20	< 20	10	< 10
733	8857	N 1	N 500	N 20	150	1000	3	N 20	N 50	< 20	300	< 10	10
734	8858	2	N 500	N 20	30	> 10000	N 2	N 20	N 50	150	100	70	< 10
735	8859	1	700	N 20	30	> 10000	N 2	N 20	N 50	150	150	200	H
736	8860	N 1	N 700	N 30	100	> 10000	N 3	N 30	N 70	< 30	100	< 20	< 20
737	8861	N 2	N 1000	N 50	200	> 10000	N 5	N 50	N 100	N 50	700	30	< 20
738	8862	N 1	N 500	N 20	50	2000	N 2	700	N 50	N 20	150	< 10	10
739	8864	N 1	N 500	N 20	100	10000	2	< 20	N 50	500	70	70	H
740	8866	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	150	300	30	H
741	8867	70	N 500	700	50	> 10000	2	N 20	N 50	150	200	70	10
742	8868	N 2	N 1000	N 50	70	3000	N 5	N 50	N 100	70	300	30	< 20
743	8869	N 1	N 500	N 20	50	300	N 2	< 20	N 50	N 20	1500	< 10	< 10
744	8900	N 1	N 500	N 20	150	7000	5	N 20	N 50	N 20	200	< 10	< 10
745	8902	N 1	N 500	N 20	500	700	3	N 20	N 50	N 20	300	15	15
746	8903	N 1	N 500	N 20	500	1500	3	N 20	N 50	N 20	700	< 10	15
747	8908	N 1	N 500	N 20	200	2000	3	N 20	N 50	N 20	700	15	15
748	8909	N 1	N 500	N 20	200	1500	3	N 20	N 50	N 20	500	< 10	10
749	8910	N 1	N 500	N 20	700	1500	3	N 20	N 50	< 20	700	< 10	10
750	8911	N 1	N 500	N 20	500	2000	7	N 20	N 50	N 20	300	< 10	< 10
751	8912	N 1	N 500	N 20	200	1500	3	N 20	N 50	N 20	300	< 10	15
752	8915	N 1	N 500	N 20	70	300	3	N 20	N 50	N 20	150	< 10	20
753	8918	N 1	N 500	N 20	50	300	2	N 20	N 50	N 20	150	10	20
754	8919	N 1	N 500	N 20	150	1500	3	N 20	N 50	N 20	300	< 10	< 10
755	8921	1	N 500	N 20	1000	> 10000	3	N 20	N 50	< 20	20	20	20
756	8922	1	N 500	N 20	> 5000	> 10000	2	N 20	N 50	30	< 20	30	10
757	8923D	1.5	N 500	N 20	> 5000	> 10000	3	N 20	N 50	30	700	30	20
758	8925	N 1	N 500	N 20	700	> 10000	N 2	N 20	N 50	50	70	50	< 10
759	8926	N 1	N 500	N 20	70	7000	3	N 20	N 50	N 20	1500	30	< 10
760	8928	N 1	N 500	N 20	70	1500	3	1500	N 50	N 20	1500	< 10	10
761	8930	70	N 500	700	30	700	N 2	N 20	N 50	< 20	150	10	20
762	8931	N 1	N 500	N 20	30	200	N 2	N 20	N 50	< 20	150	15	20
763	8934	N 1	N 500	N 20	50	300	N 2	N 20	N 50	< 20	300	< 10	10
764	8935	N 1	N 500	N 20	50	300	3	N 20	N 50	N 20	150	< 10	10
765	8939	15	N 500	150	70	300	N 2	N 20	N 50	< 20	1500	< 10	15
766	8940	N 1	N 500	N 20	30	300	N 2	N 20	N 50	30	1500	100	20
767	8942	N 1	N 500	N 20	70	3000	5	N 20	N 50	< 20	300	30	20
768	8942D	N 1	N 500	N 20	30	1000	3	N 20	N 50	< 20	300	15	20

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
721	8804	N 20	500	1500	50	50	< 10	< 20	N 200	50	50	200	N 200
722	8805	N 20	200	1000	15	70	15	30	N 200	30	30	1500	N 200
723	8807	N 20	300	2000	N 10	50	50	< 20	N 200	30	70	300	N 200
724	8811	N 50	< 200	3000	N 20	< 70	< 20	N 50	N 500	50	N 50	500	N 500
725	8812	N 50	N 200	10000	N 20	150	50	50	N 500	30	N 50	< 500	N 500
726	8850	N 20	700	700	N 10	< 50	< 10	< 20	N 200	50	N 20	200	N 200
727	8851	N 20	200	2000	N 10	< 50	< 10	< 20	N 200	70	N 20	< 200	N 200
728	8853	N 20	300	300	N 10	< 50	< 10	< 20	N 200	70	N 20	< 200	N 200
729	8854	N 20	500	1500	150	< 50	15	30	N 200	50	50	< 200	N 200
730	8855	N 20	1500	700	N 10	< 50	< 10	20	N 200	50	30	< 200	N 200
731	8856	N 20	300	200	N 10	< 50	< 10	< 20	N 200	30	70	< 200	N 200
732	8856D	N 20	300	300	N 10	< 50	< 10	< 20	N 200	30	30	< 200	N 200
733	8857	N 20	700	1500	N 10	50	15	30	300	70	1500	500	N 200
734	8858	N 20	150	700	N 10	< 50	150	700	300	20	> 2000	2000	N 200
735	8859	N 20	150	300	N 10	< 50	150	150	N 200	30	70	3000	N 200
736	8860	N 50	150	1500	N 20	100	20	70	N 300	50	700	1000	N 300
737	8861	N 50	300	700	N 20	100	30	< 50	N 500	70	N 50	700	N 500
738	8862	N 20	1000	1000	N 10	< 50	< 10	50	N 200	50	20	700	N 200
739	8864	N 20	150	700	N 10	70	200	150	N 200	50	30	200	N 200
740	8866	N 20	1500	1000	N 10	100	100	70	N 200	70	< 20	2000	N 200
741	8867	N 20	500	700	N 10	70	150	100	N 200	30	< 20	700	N 200
742	8868	N 50	< 200	3000	N 20	150	150	30	N 500	70	150	700	N 500
743	8869	N 20	200	1500	500	150	15	< 20	N 200	70	150	300	N 200
744	8900	N 20	700	300	N 10	100	10	70	N 200	50	70	1500	N 200
745	8902	N 20	300	1000	N 10	70	15	50	N 200	50	N 20	500	N 200
746	8903	N 20	300	1500	N 10	50	20	20	N 200	50	< 20	700	N 200
747	8908	N 20	300	700	N 10	50	15	30	N 200	50	< 20	700	N 200
748	8909	N 20	300	700	N 10	< 50	10	30	N 200	50	< 20	700	N 200
749	8910	N 20	700	1000	N 10	70	15	1000	3000	70	N 20	700	N 200
750	8911	N 20	300	200	15	70	< 10	70	N 200	50	20	300	N 200
751	8912	N 20	300	300	N 10	70	< 10	30	N 200	30	70	300	N 200
752	8915	N 20	150	1500	N 10	100	< 10	30	N 200	70	30	200	N 200
753	8918	N 20	100	1500	N 10	50	10	30	N 200	70	N 20	300	N 200
754	8919	N 20	300	200	N 10	100	< 10	50	N 200	50	70	300	N 200
755	8921	N 20	150	1500	N 10	< 50	15	< 20	N 200	15	N 20	1500	N 200
756	8922	N 20	N 100	700	N 10	< 50	30	20	N 200	< 10	N 20	5000	N 200
757	8923D	N 20	< 100	1500	20	< 50	50	30	N 200	30	N 20	300	N 200
758	8925	N 20	< 100	2000	10	< 50	100	< 20	N 200	15	N 20	7000	N 200
759	8926	N 20	300	700	N 10	100	15	30	N 200	70	< 20	300	N 200
760	8928	N 20	500	700	N 10	70	15	20	N 200	70	30	300	N 200
761	8930	N 20	700	700	N 10	< 50	< 10	100	N 200	70	30	700	N 200
762	8931	N 20	< 100	1000	< 10	< 50	< 10	20	N 200	50	N 20	700	N 200
763	8934	N 20	N 100	500	N 10	70	15	< 20	N 200	15	N 20	300	N 200
764	8935	N 20	150	700	N 10	70	< 10	70	N 200	30	< 20	300	N 200
765	8939	N 20	150	1500	N 10	< 50	70	< 20	N 200	70	< 20	300	N 200
766	8940	N 20	< 100	1500	N 10	< 50	70	< 20	N 200	70	N 20	300	N 200
767	8942	N 20	< 100	2000	N 10	70	30	< 20	N 200	30	N 20	200	N 200
768	8942D	N 20	N 100	1500	N 10	70	20	< 20	N 200	30	N 20	200	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
721	8804	150	700	700	N 500
722	8805	200	300	700	N 500
723	8807	300	150	500	500
724	8811	70	N 70	150	N 1000
725	8812	150	N 70	30	N 1000
726	8850	70	N 50	500	N 500
727	8851	150	N 50	500	N 500
728	8853	30	N 50	500	N 500
729	8854	70	200	500	N 500
730	8855	50	150	700	N 500
731	8856	30	N 50	500	N 500
732	8856D	30	70	500	N 500
733	8857	300	70	300	N 500
734	8858	100	N 50	200	3000
735	8859	150	70	150	N 500
736	8860	200	N 70	200	N 700
737	8861	700	N 70	300	3000
738	8862	150	300	700	N 500
739	8864	300	N 50	300	N 500
740	8866	500	N 50	300	N 500
741	8867	300	70	300	N 500
742	8868	300	N 70	150	N 1000
743	8869	500	2000	700	N 500
744	8900	700	N 50	200	N 500
745	8902	300	N 50	300	N 500
746	8903	300	N 50	300	N 500
747	8908	300	N 50	700	N 500
748	8909	300	N 50	500	N 500
749	8910	500	N 50	300	N 500
750	8911	700	N 50	200	N 500
751	8912	200	N 50	300	N 500
752	8915	700	N 50	200	N 500
753	8918	700	N 50	150	N 500
754	8919	300	N 50	200	N 500
755	8921	150	N 50	100	N 500
756	8922	70	300	70	1000
757	8923D	150	N 50	100	N 500
758	8925	100	N 50	100	N 500
759	8926	1000	N 50	200	N 500
760	8928	1500	N 50	200	N 500
761	8930	300	150	700	N 500
762	8931	1000	N 50	150	N 500
763	8934	200	N 50	70	N 500
764	8935	300	N 50	500	N 500
765	8939	150	N 50	500	N 500
766	8940	300	N 50	200	N 500
767	8942	200	70	150	N 500
768	8942D	150	N 50	100	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	i-TI%
769	8944	D-311472	602157	1600122	60.36583	160.02280	5	2	1.5	< 0.5	3	> 2
770	8945	D-311473	602338	1595704	60.39389	159.95110	2	3	0.5	< 0.5	1.5	> 2
771	8950	D-312828	602818	1595230	60.47167	159.87500	1.5	2	0.7	< 0.5	3	> 2
772	8951	D-312829	602922	1594835	60.48944	159.80970	2	7	1	< 0.5	3	> 2
773	8952	D-312830	602730	1595015	60.45833	159.83750	1.5	5	3	< 0.5	3	> 2
774	8955	D-312832	603410	1594645	60.56944	159.77920	1.5	10	2	< 0.5	2	> 2
775	8956	D-312833	603552	1594700	60.59778	159.78330	15	10	5	0.7	3	> 2
776	8959	D-312835	604819	1592015	60.80528	159.33750	0.7	0.5	0.3	< 0.5	1	> 2
777	8960	D-312836	604810	1592659	60.80278	159.44970	20	2	3	0.7	3	> 2
778	8961	D-312837	604746	1592921	60.79611	159.48920	> 50	2	1.5	0.7	3	> 2
779	8962	D-312838	604715	1592909	60.78750	159.48580	20	1	0.7	< 0.5	3	> 2
780	8964	D-312875	610917	1594018	61.15472	159.67170	15	3	3	< 0.5	1.5	> 2
781	8967	D-312876	611124	1593215	61.19000	159.53750	15	1	0.7	< 0.5	10	> 2
782	8968	D-312877	610856	1592917	61.14889	159.48810	15	0.7	0.5	< 0.5	7	> 2
783	8969	D-312878	610852	1592928	61.14778	159.49110	15	0.7	0.5	< 0.5	5	> 2
784	8970	D-312879	610800	1593111	61.13334	159.51970	15	0.7	0.3	0.5	7	> 2
785	8971	D-312880	610532	1592829	61.09222	159.47470	0.7	0.7	0.7	< 0.5	3	> 2
786	8972	D-312849	610212	1592506	61.03667	159.41830	0.7	1	0.5	< 0.5	3	> 2
787	8973	D-312850	603845	1591928	60.64583	159.32440	7	1	0.3	< 0.5	7	> 2
788	8974	D-312851	603845	1591919	60.64583	159.32190	15	3	0.5	< 0.5	7	> 2
789	8975	D-312852	603606	1591522	60.60167	159.25610	10	3	0.7	< 0.5	7	> 2
790	8976	D-312853	603512	1591431	60.58667	159.24190	20	3	0.7	< 0.5	7	> 2
791	8981	D-312858	603055	1590300	60.51528	159.05000	30	2	0.7	< 0.5	1.5	> 2
792	8982	D-312859	603140	1590022	60.52778	159.00610	10	3	3	< 0.5	1.5	> 2
793	8984	D-312861	600037	1601910	60.01028	160.31940	10	1.5	1.5	< 0.5	1.5	> 2
794	8986	D-312863	600323	1601834	60.05639	160.30940	15	3	2	< 0.5	0.7	> 2
795	8987	D-312864	600505	1602054	60.08472	160.34830	20	3	0.7	0.7	7	1
796	8990	D-312867	600835	1601602	60.14305	160.26720	2	0.7	0.2	0.7	0.7	> 2
797	8991	D-312868	600937	1601810	60.16028	160.30280	20	2	0.7	< 0.5	10	> 2
798	8992	D-312869	600942	1602200	60.16167	160.36670	0.5	0.7	0.2	0.7	1.5	> 2
799	8994	D-313280	600621	1602530	60.10583	160.42500	7	0.7	0.5	< 0.5	5	> 2
800	8995	D-313281	600342	1602640	60.06167	160.44440	0.7	0.7	0.2	< 0.5	0.7	> 2
801	8996	D-313282	600346	1602638	60.06278	160.44390	1.5	1.5	0.5	< 0.5	1.5	> 2
802	8997	D-313283	600327	1602655	60.05750	160.44860	1	3	2	< 0.5	1	> 2
803	8997D	D-313284	600327	1602655	60.05750	160.44860	0.7	2	1.5	< 0.5	1	> 2
804	8998	D-313285	600918	1601200	60.15500	160.20000	7	10	5	< 0.5	1.5	> 2
805	8999	D-313286	600832	1594209	60.14222	159.70250	15	0.3	0.7	< 0.5	10	0.3
806	9001	D-334082	604549	1592920	60.76361	159.48890	15	2	1	< 0.5	1	> 2
807	9002	D-334083	604433	1592938	60.74250	159.49390	15	1.5	0.7	< 0.5	1.5	> 2
808	9003	D-334084	604313	1592853	60.72028	159.48140	7	1	0.7	< 0.5	3	> 2
809	9004	D-334085	602953	1590448	60.49805	159.08000	7	3	0.5	0.7	3	> 2
810	9005	D-334086	602747	1590911	60.46305	159.15310	3	7	1	0.5	3	> 2
811	9006	D-334087	603804	1590905	60.63445	159.15140	10	3	2	< 0.5	3	> 2
812	9007	D-334088	604318	1590916	60.72167	159.15440	1.5	1	0.7	< 0.5	2	> 2
813	9008	D-334089	604321	1590905	60.72250	159.15140	1.5	1	0.7	< 0.5	3	> 2
814	9009	D-334090	604155	1590530	60.69861	159.09170	15	2	3	< 0.5	3	> 2
815	9010	D-334091	604220	1590450	60.70555	159.08060	3	2	1.5	0.5	1.5	> 2
816	9011	D-334092	604530	1590900	60.75834	159.15000	1.5	0.5	1.5	< 0.5	2	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
769	8944	70	N 500	700	500	10000	< 2	N 20	N 50	< 20	700	< 10	15
770	8945	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	30	150	30	10
771	8950	N 1	N 500	N 20	200	> 10000	2	N 20	N 50	30	500	150	10
772	8951	N 1	N 500	N 20	150	> 10000	2	N 20	N 50	30	300	50	10
773	8952	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	30	1500	70	20
774	8955	1.5	N 500	N 20	100	> 10000	3	N 20	N 50	70	1000	200	20
775	8956	N 1	N 500	N 20	70	> 10000	2	N 20	N 50	50	300	100	20
776	8959	N 1	N 500	N 20	200	> 10000	N 2	N 20	N 50	N 20	1000	< 10	< 10
777	8960	N 1	N 500	N 20	2000	700	5	< 20	N 50	N 20	700	15	30
778	8961	N 1	N 500	N 20	700	300	5	< 20	N 50	N 20	300	< 10	30
779	8962	150	N 500	> 1000	70	1000	3	< 20	N 50	N 20	300	< 10	10
780	8964	N 1	700	N 20	30	2000	N 2	500	N 50	30	700	10	15
781	8967	N 1	500	N 20	30	200	3	N 20	N 50	N 20	150	< 10	< 10
782	8968	N 1	N 500	N 20	< 20	200	3	N 20	N 50	N 20	< 20	< 10	< 10
783	8969	N 1	N 500	N 20	30	200	3	N 20	N 50	N 20	30	< 10	< 10
784	8970	N 1	N 500	N 20	30	300	3	700	N 50	N 20	20	< 10	10
785	8971	N 1	N 500	N 20	100	700	5	< 20	N 50	N 20	1500	< 10	< 10
786	8972	N 1	N 500	N 20	150	700	5	N 20	N 50	N 20	700	< 10	< 10
787	8973	N 1	N 500	N 20	70	> 10000	7	N 20	N 50	N 20	300	< 10	15
788	8974	N 1	1000	N 20	50	> 10000	300	150	N 50	30	150	150	10
789	8975	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	50	300	30	10
790	8976	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	70	150	50	10
791	8981	N 1	N 500	N 20	500	300	3	N 20	N 50	30	70	100	30
792	8982	N 1	N 500	N 20	70	1500	3	N 20	N 50	30	300	70	15
793	8984	N 1	N 500	N 20	300	3000	7	N 20	N 50	20	150	15	15
794	8986	N 1	N 500	N 20	300	700	7	N 20	N 50	30	70	30	20
795	8987	N 1	N 500	N 20	700	> 10000	3	N 20	N 50	20	< 20	20	15
796	8990	N 1	N 500	N 20	300	> 10000	5	N 20	N 50	N 20	150	< 10	< 10
797	8991	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	N 20	150	15	10
798	8992	N 1	N 500	N 20	70	1500	5	N 20	N 50	N 20	70	< 10	< 10
799	8994	N 1	N 500	N 20	70	1500	N 2	N 20	N 50	< 20	150	< 10	< 10
800	8995	N 1	N 500	N 20	100	> 10000	N 2	N 20	N 50	< 20	150	< 10	< 10
801	8996	N 1	N 500	N 20	200	> 10000	N 2	N 20	N 50	< 20	150	10	< 10
802	8997	N 1	N 500	N 20	70	> 10000	2	N 20	N 50	30	150	< 10	< 10
803	8997D	N 1	N 500	N 20	70	> 10000	3	N 20	N 50	< 20	1500	10	< 10
804	8998	N 1	N 500	N 20	200	3000	2	N 20	N 50	70	500	150	10
805	8999	< 1	N 500	N 20	70	500	N 2	N 20	N 50	< 20	70	< 10	< 10
806	9001	1	N 500	N 20	70	150	2	20	N 50	< 20	150	< 10	15
807	9002	N 1	N 500	N 20	100	150	3	N 20	N 50	< 20	100	< 10	15
808	9003	N 1	N 500	N 20	< 20	2000	< 2	N 20	N 50	< 20	30	< 10	< 10
809	9004	N 1	N 500	N 20	70	3000	2	N 20	N 50	30	100	70	15
810	9005	< 1	3000	N 20	700	> 10000	3	N 20	N 50	70	50	100	< 10
811	9006	N 1	700	N 20	300	300	150	N 20	N 50	30	70	15	10
812	9007	N 1	N 500	N 20	150	500	3	N 20	N 50	30	1000	15	< 10
813	9008	N 1	N 500	N 20	150	700	300	N 20	N 50	20	700	< 10	< 10
814	9009	< 1	< 500	N 20	300	500	3	N 20	N 50	< 20	700	< 10	10
815	9010	N 1	< 500	N 20	70	1500	N 2	N 20	N 50	< 20	300	< 10	< 10
816	9011	3	< 500	N 20	> 5000	300	3	< 20	N 50	< 20	300	< 10	10

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
769	8944	N 20	300	1500	50	< 50	15	70	N 200	70	700	1000	N 200
770	8945	N 20	N 100	500	N 10	70	15	100	N 200	15	30	2000	N 200
771	8950	N 20	< 100	700	N 10	70	70	70	N 200	30	N 20	7000	N 200
772	8951	N 20	< 100	1500	N 10	< 50	100	70	N 200	20	N 20	5000	N 200
773	8952	N 20	200	2000	N 10	70	70	200	N 200	70	N 20	2000	N 200
774	8955	N 20	300	3000	N 10	50	150	70	N 200	30	30	5000	N 200
775	8956	N 20	< 100	5000	N 10	50	100	100	N 200	30	N 20	10000	N 200
776	8959	N 20	200	150	N 10	50	15	< 20	300	20	N 20	7000	N 200
777	8960	N 20	200	5000	15	70	30	70	N 200	30	30	700	N 200
778	8961	N 20	150	3000	N 10	50	15	50	N 200	30	N 20	1500	N 200
779	8962	N 20	200	1500	N 10	100	< 10	30	N 200	70	70	500	N 200
780	8964	N 20	150	1500	70	70	30	70	N 200	70	70	700	N 200
781	8967	N 20	1500	1500	< 10	200	< 10	70	N 200	50	70	300	2000
782	8968	N 20	700	1000	< 10	500	< 10	30	N 200	30	70	300	1500
783	8969	N 20	1500	1500	< 10	700	< 10	30	N 200	70	70	300	1500
784	8970	N 20	1500	1500	15	200	< 10	50	N 200	100	150	300	1500
785	8971	N 20	1500	500	N 10	70	15	30	N 200	100	< 20	700	N 200
786	8972	N 20	700	300	N 10	70	10	30	N 200	150	30	700	N 200
787	8973	N 20	300	700	N 10	70	< 10	70	N 200	70	300	700	N 200
788	8974	N 20	300	1500	N 10	100	20	70	300	70	1500	1500	N 200
789	8975	N 20	1000	700	300	70	50	100	N 200	15	1500	5000	N 200
790	8976	N 20	200	700	N 10	70	30	100	N 200	30	N 20	1500	N 200
791	8981	N 20	< 100	1500	N 10	< 50	15	< 20	N 200	30	N 20	700	N 200
792	8982	N 20	700	3000	N 10	70	30	50	N 200	100	200	700	N 200
793	8984	N 20	100	1500	N 10	70	10	30	N 200	70	N 20	300	N 200
794	8986	N 20	< 100	3000	N 10	< 50	20	20	N 200	50	N 20	300	N 200
795	8987	N 20	300	5000	15	< 50	20	30	N 200	20	70	2000	N 200
796	8990	N 20	150	500	N 10	100	< 10	50	N 200	30	N 20	300	500
797	8991	N 20	500	1500	15	70	15	30	N 200	15	N 20	2000	N 200
798	8992	N 20	300	500	N 10	70	< 10	50	N 200	30	20	300	N 200
799	8994	N 20	150	300	N 10	70	< 10	30	N 200	30	N 20	300	N 200
800	8995	N 20	N 100	300	N 10	< 50	< 10	< 20	N 200	20	N 20	1500	N 200
801	8996	N 20	< 100	700	N 10	70	10	< 20	N 200	20	N 20	1500	N 200
802	8997	N 20	< 100	3000	N 10	70	15	30	N 200	50	N 20	< 200	N 200
803	8997D	N 20	150	700	N 10	70	10	30	N 200	50	N 20	< 200	N 200
804	8998	N 20	200	10000	N 10	< 50	70	30	N 200	100	N 20	< 200	N 200
805	8999	N 20	500	300	N 10	< 50	< 10	N 20	N 200	20	N 20	200	N 200
806	9001	20	300	1500	N 10	70	10	< 20	300	70	70	700	N 200
807	9002	30	300	1500	N 10	70	< 10	< 20	N 200	70	300	300	N 200
808	9003	N 20	150	700	N 10	70	< 10	< 20	N 200	70	150	300	N 200
809	9004	N 20	100	500	N 10	< 50	30	30	N 200	20	70	700	N 200
810	9005	N 20	150	1500	15	< 50	150	70	N 200	20	300	700	N 200
811	9006	N 20	500	3000	N 10	70	15	20	N 200	50	300	500	N 200
812	9007	N 20	150	1500	15	< 50	10	70	N 200	50	< 20	< 200	N 200
813	9008	N 20	150	2000	N 10	< 50	10	30	N 200	50	20	200	N 200
814	9009	N 20	150	3000	15	70	15	< 20	N 200	30	1500	300	N 200
815	9010	N 20	300	2000	15	50	15	< 20	N 200	20	200	< 200	N 200
816	9011	N 20	150	300	N 10	100	10	1500	1500	30	200	200	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
769	8944	300	100	700	N 500
770	8945	300	N 50	100	2000
771	8950	700	70	150	700
772	8951	300	N 50	150	N 500
773	8952	1500	70	200	N 500
774	8955	300	N 50	150	3000
775	8956	500	N 50	200	N 500
776	8959	300	N 50	150	N 500
777	8960	700	70	200	N 500
778	8961	500	300	300	N 500
779	8962	500 >	20000	300	N 500
780	8964	700	300	200	1500
781	8967	300	150	700	N 500
782	8968	300	70	700	N 500
783	8969	300	70	700	N 500
784	8970	300	300	700	N 500
785	8971	700	N 50	500	N 500
786	8972	700	70	300	N 500
787	8973	700	700	200	N 500
788	8974	300	10000	300	1500
789	8975	300	300	150	N 500
790	8976	300	70	500	N 500
791	8981	300	N 50	200	N 500
792	8982	700	N 50	300	N 500
793	8984	300	7000	200	N 500
794	8986	300	N 50	150	N 500
795	8987	150	N 50	300	N 500
796	8990	300	N 50	500	N 500
797	8991	300	15000	500	N 500
798	8992	300	70	500	N 500
799	8994	150	N 50	300	N 500
800	8995	70	N 50	150	N 500
801	8996	50	N 50	150	N 500
802	8997	300	N 50	300	N 500
803	8997D	300	N 50	300	N 500
804	8998	300	N 50	200	N 500
805	8999	50	N 50	700	N 500
806	9001	300	150	700	N 500
807	9002	300	N 50	700	N 500
808	9003	200	N 50	300	N 500
809	9004	300	N 50	200	N 500
810	9005	150	N 50	70	N 500
811	9006	150	1000	300	N 500
812	9007	1000	70	100	N 500
813	9008	700	1000	150	N 500
814	9009	300	1000	300	N 500
815	9010	150	300	100	N 500
816	9011	300	150	100	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	S-TI%
817	9012	D-334093	604235	1592005	60.70972	159.33470	1	3	0.2	< 0.5	2	> 2
818	9013	D-334094	604613	1591628	60.77028	159.27440	1.5	1	1.5	< 0.5	2	> 2
819	9014	D-334122	601041	1600552	60.17805	160.09780	3	1	1	< 0.5	0.7	> 2
820	9015	D-334123	601505	1600503	60.25139	160.08420	3	1	1	< 0.5	5	> 2
821	9017	D-334125	601215	1600147	60.20417	160.02970	3	1	1.5	< 0.5	3	> 2
822	9018	D-334126	601219	1600149	60.20528	160.03030	1.5	1.5	0.7	< 0.5	3	> 2
823	9019	D-334127	600901	1595822	60.15028	159.97280	15	7	2	0.5	3	1.5
824	9020	D-334128	600015	1594559	60.00417	159.76640	15	3	3	0.7	1.5	> 2
825	9021	D-334157	605714	1594717	60.95389	159.78810	0.7	1	0.7	< 0.5	2	> 2
826	9022	D-334158	605655	1594715	60.94861	159.78750	0.7	1.5	0.7	< 0.5	1.5	> 2
827	9023	D-334159	605617	1594753	60.93806	159.79800	1	1.5	1	< 0.5	3	> 2
828	9024	D-334160	605615	1594805	60.93750	159.80140	1.5	3	1.5	< 0.5	3	> 2
829	9025	D-334161	605447	1594918	60.91306	159.82170	1	1	0.7	< 0.5	2	> 2
830	9026	D-334162	605445	1594918	60.91250	159.82170	1	0.5	0.5	< 0.5	3	> 2
831	9027	D-334163	610130	1595123	61.02500	159.85640	3	1.5	1.5	0.5	0.7	> 2
832	9028	D-334164	610109	1594746	61.01917	159.79610	1.5	2	3	< 0.5	1.5	> 2
833	9029	D-334165	610605	1594335	61.10139	159.72640	5	2	3	0.7	2	> 2
834	9030	D-334166	610655	1594227	61.11528	159.70750	10	3	1.5	0.7	< 0.5	> 2
835	9031	D-334167	610329	1593851	61.05806	159.64750	1	15	3	0.5	< 0.5	1.5
836	9032	D-334168	610419	1593539	61.07195	159.59420	2	2	0.7	< 0.5	5	> 2
837	9033	D-334169	610425	1593536	61.07361	159.59330	1.5	1	0.7	< 0.5	2	> 2
838	9034	D-334170	610150	1593350	61.03056	159.56390	1.5	3	3	< 0.5	2	> 2
839	9037	D-334171	603330	1603002	60.55833	160.50050	1.5	1	0.7	< 0.5	2	> 2
840	9038	D-334172	602129	1603006	60.35806	160.50170	1	0.7	0.5	< 0.5	1.5	> 2
841	9041	D-334173	602641	1604140	60.44472	160.69440	1.5	2	2	0.5	1.5	> 2
842	9042	D-335662	602620	1604205	60.43889	160.70140	0.7	2	1	< 0.5	1.5	> 2
843	9043	D-335663	602534	1604508	60.42611	160.75220	0.7	2	1.5	< 0.5	1	> 2
844	9046	D-335664	602557	1605153	60.43250	160.86470	3	5	2	1	0.7	1.5
845	9047	D-335665	602528	1605436	60.42445	160.91000	3	5	3	0.7	0.7	2
846	9048	D-335666	602526	1605030	60.42389	160.84170	3	3	2	0.7	1.5	2
847	9049	D-335667	602525	1605037	60.42361	160.84360	1.5	2	3	< 0.5	1	> 2
848	9050	D-335668	602616	1605022	60.43778	160.83940	1.5	2	3	0.5	1.5	> 2
849	9051	D-335669	602231	1605525	60.37528	160.92360	2	2	3	0.5	1.5	2
850	9052	D-335670	602123	1605828	60.35639	160.97440	1	1	0.7	< 0.5	2	> 2
851	9053	D-335671	602232	1605947	60.37556	160.99640	1.5	2	1	0.5	0.7	> 2
852	9054	D-335672	602235	1610005	60.37639	161.00140	1.5	1.5	0.7	0.5	0.7	> 2
853	9055	D-335673	601515	1595724	60.25417	159.95670	1	1.5	1.5	< 0.5	2	1.5
854	9056	D-335674	601235	1595553	60.20972	159.93140	1	1.5	1	0.5	1.5	1.5
855	9057	D-335675	601117	1595359	60.18806	159.89970	1.5	3	1.5	0.5	1.5	2
856	9058	D-335676	601048	1595309	60.18000	159.88580	5	5	2	0.7	0.3	0.7
857	9059	D-335677	600932	1595244	60.15889	159.87890	3	1.5	1.5	0.5	1	1.5
858	9060	D-335678	600935	1595037	60.15972	159.84360	3	5	2	< 0.5	1	1.5
859	9061	D-335679	600540	1595017	60.09444	159.83810	5	3	1.5	0.5	1	0.7
860	9062	D-335680	603037	1591450	60.51028	159.24720	10	3	0.7	0.7	3	1.5
861	9063	D-335681	603048	1592458	60.51333	159.41610	0.5	1.5	0.3	< 0.5	0.7	> 2
862	9064	D-335682	603049	1592501	60.51361	159.41690	0.5	1.5	0.7	< 0.5	0.7	> 2
863	9065	D-335683	602142	1591915	60.36167	159.32080	0.5	3	0.7	< 0.5	1	> 2
864	9066	D-335684	602241	1591333	60.37806	159.22580	15	3	1.5	< 0.5	< 0.5	0.7

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
817	9012	< 1	N 500	N 20	70	> 10000	< 2	N 20	N 50	30	70	70	< 10
818	9013	N 1	N 500	N 20	70	> 10000	< 2	N 20	N 50	< 20	300	< 10	< 10
819	9014	N 1	N 500	N 20	200	1500	3	N 20	N 50	< 20	50	15	10
820	9015	N 1	N 500	N 20	< 20	150	3	N 20	N 50	< 20	70	10	< 10
821	9017	N 1	N 500	N 20	70	7000	< 2	< 20	N 50	< 20	150	< 10	< 10
822	9018	2	500	N 20	70	> 10000	2	N 20	N 50	< 20	30	150	< 10
823	9019	3	N 500	N 20	50	> 10000	7	N 20	N 50	30	150	150	15
824	9020	N 1	N 500	N 20	> 5000	> 10000	3	N 20	N 50	< 20	300	< 10	15
825	9021	N 1	N 500	N 20	150	700	7	N 20	N 50	< 20	300	30	10
826	9022	N 1	N 500	N 20	150	7000	7	N 20	N 50	50	500	30	10
827	9023	N 1	N 500	N 20	150	3000	7	N 20	N 50	30	700	20	10
828	9024	N 1	N 500	N 20	150	1500	5	N 20	N 50	30	1500	70	10
829	9025	N 1	N 500	N 20	70	1500	7	N 20	N 50	30	700	10	< 10
830	9026	N 1	N 500	N 20	70	700	7	N 20	N 50	30	700	< 10	10
831	9027	70	N 500	700	30	300	2	N 20	N 50	< 20	150	15	15
832	9028	N 1	N 500	N 20	70	300	3	N 20	N 50	30	700	20	10
833	9029	N 1	N 500	N 20	50	1500	< 2	N 20	N 50	20	500	15	15
834	9030	N 1	N 500	N 20	100	200	< 2	N 20	N 50	30	500	15	15
835	9031	N 1	N 500	N 20	30	700	3	N 20	N 50	100	1500	500	15
836	9032	N 1	N 500	N 20	70	700	5	N 20	N 50	< 20	300	10	10
837	9033	N 1	N 500	N 20	150	500	3	N 20	N 50	< 20	300	< 10	< 10
838	9034	N 1	N 500	N 20	150	1000	3	N 20	N 50	30	3000	70	10
839	9037	N 1	N 500	N 20	70	300	3	N 20	N 50	< 20	300	15	< 10
840	9038	N 1	N 500	N 20	70	300	N 2	N 20	N 50	< 20	150	< 10	< 10
841	9041	N 1	N 500	N 20	150	700	3	N 20	N 50	30	700	10	15
842	9042	N 1	N 500	N 20	70	300	< 2	N 20	N 50	< 20	200	< 10	< 10
843	9043	N 1	N 500	N 20	70	150	< 2	N 20	N 50	< 20	200	< 10	< 10
844	9046	50	N 500	150	30	200	< 2	N 20	N 50	< 20	70	30	15
845	9047	N 1	N 500	N 20	30	150	< 2	N 20	N 50	20	150	20	15
846	9048	1.5	N 500	N 20	100	150	2	N 20	N 50	< 20	200	< 10	15
847	9049	5	N 500	150	70	150	3	N 20	N 50	30	300	< 10	< 10
848	9050	N 1	N 500	N 20	70	200	< 2	N 20	N 50	20	300	< 10	< 10
849	9051	N 1	N 500	N 20	70	150	< 2	N 20	N 50	20	200	< 10	10
850	9052	N 1	N 500	N 20	< 20	150	< 2	N 20	N 50	< 20	150	< 10	< 10
851	9053	1.5	N 500	< 20	20	300	3	N 20	N 50	< 20	150	10	15
852	9054	N 1	N 500	N 20	< 20	200	3	N 20	N 50	< 20	150	< 10	15
853	9055	N 1	N 500	N 20	< 20	150	N 2	N 20	N 50	< 20	200	< 10	< 10
854	9056	N 1	N 500	N 20	50	150	3	N 20	N 50	< 20	300	< 10	< 10
855	9057	30	1500	300	70	300	3	N 20	N 50	30	500	50	10
856	9058	N 1	N 500	N 20	50	70	3	N 20	N 50	30	300	50	15
857	9059	N 1	N 500	N 20	< 20	150	N 2	N 20	N 50	< 20	300	20	< 10
858	9060	< 1	N 500	N 20	3000	1500	3	N 20	N 50	30	700	30	10
859	9061	N 1	N 500	N 20	5000	> 10000	2	N 20	N 50	20	300	20	10
860	9062	1.5	N 500	N 20	700	200	3	N 20	N 50	< 20	200	30	15
861	9063	N 1	N 500	N 20	100	> 10000	3	150	N 50	30	300	30	< 10
862	9064	N 1	N 500	N 20	150	300	3	N 20	N 50	20	200	15	< 10
863	9065	50	15000	500	70	300	7	150	N 50	150	50	100	< 10
864	9066	< 1	N 500	N 20	> 5000	3000	3	N 20	N 50	< 20	150	15	15

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
817	9012	N 20	150	700	10	< 50	70	30	N 200	20	700	700	N 200
818	9013	N 20	700	300	N 10	< 50	10	30	N 200	30	30	1500	N 200
819	9014	N 20	< 100	1500	N 10	70	< 10	< 20	N 200	30	N 20	< 200	N 200
820	9015	N 20	300	1500	N 10	< 50	< 10	20	N 200	30	< 20	300	N 200
821	9017	N 20	150	1500	N 10	70	10	20	1500	30	N 20	300	N 200
822	9018	N 20	< 100	1500	N 10	70	10	20	7000	30	30	500	N 200
823	9019	< 20	300	3000	15	< 50	30	20	N 200	30	N 20	700	N 200
824	9020	< 20	< 100	1500	10	70	30	< 20	< 200	30	N 20	300	N 200
825	9021	N 20	> 2000	700	N 10	100	15	70	N 200	100	100	700	N 200
826	9022	N 20	1500	700	N 10	100	20	70	700	70	50	700	N 200
827	9023	N 20	1500	2000	N 10	100	10	50	N 200	70	N 20	700	N 200
828	9024	N 20	1500	1500	15	70	50	70	500	70	< 20	700	N 200
829	9025	N 20	700	2000	N 10	70	15	30	500	70	N 20	700	N 200
830	9026	N 20	700	500	N 10	70	< 10	50	300	70	N 20	700	N 200
831	9027	N 20	150	700	N 10	70	< 10	30	N 200	70	100	300	N 200
832	9028	N 20	700	1500	N 10	70	15	50	1000	70	30	300	N 200
833	9029	N 20	300	1500	15	70	30	700	N 200	70	30	300	N 200
834	9030	20	700	1500	30	150	15	30	N 200	70	150	500	N 200
835	9031	N 20	< 100	7000	N 10	< 50	200	100	N 200	30	N 20	N 200	N 200
836	9032	N 20	1000	500	N 10	100	30	70	N 200	70	100	1000	N 200
837	9033	N 20	500	700	N 10	70	15	30	N 200	50	N 20	300	N 200
838	9034	N 20	150	2000	10	70	70	30	N 200	50	N 20	300	N 200
839	9037	N 20	200	700	N 10	70	15	100	N 200	30	150	< 200	N 200
840	9038	N 20	150	300	15	< 50	< 10	< 20	N 200	30	30	< 200	N 200
841	9041	N 20	300	1500	N 10	70	15	50	N 200	50	30	700	N 200
842	9042	N 20	150	700	N 10	< 50	< 10	< 20	N 200	30	70	< 200	N 200
843	9043	N 20	150	1000	N 10	< 50	10	< 20	N 200	50	N 20	< 200	N 200
844	9046	N 20	< 100	1500	N 10	< 50	10	< 20	N 200	30	< 20	700	N 200
845	9047	N 20	N 100	1500	N 10	< 50	15	20	N 200	30	N 20	700	N 200
846	9048	N 20	100	1500	< 10	50	50	< 20	N 200	30	20	300	N 200
847	9049	N 20	300	1500	15	70	30	20	N 200	70	20	200	N 200
848	9050	N 20	150	1500	N 10	< 50	30	< 20	N 200	30	50	200	N 200
849	9051	N 20	150	2000	< 10	50	15	20	N 200	50	< 20	300	N 200
850	9052	N 20	150	700	15	< 50	< 10	< 20	N 200	30	N 20	< 200	N 200
851	9053	N 20	150	1000	15	70	15	30	N 200	70	N 20	300	N 200
852	9054	N 20	150	700	15	300	10	30	N 200	30	< 20	200	N 200
853	9055	N 20	150	1500	50	< 50	10	< 20	N 200	30	30	< 200	N 200
854	9056	N 20	150	1500	N 10	< 50	15	< 20	N 200	30	N 20	< 200	N 200
855	9057	N 20	< 100	1500	N 10	< 50	30	30	N 200	30	N 20	< 200	N 200
856	9058	N 20	< 100	2000	N 10	< 50	30	< 20	N 200	30	N 20	< 200	N 200
857	9059	N 20	< 100	700	N 10	< 50	15	< 20	N 200	30	N 20	< 200	N 200
858	9060	N 20	< 100	1000	10	< 50	70	20	N 200	30	N 20	200	N 200
859	9061	N 20	< 100	1500	< 10	< 50	30	< 20	N 200	30	150	300	N 200
860	9062	N 20	150	3000	< 10	50	15	20	N 200	20	700	500	N 200
861	9063	N 20	< 100	500	15	70	20	30	N 200	30	N 20	200	N 200
862	9064	N 20	100	700	15	70	15	70	N 200	30	N 20	< 200	N 200
863	9065	N 20	150	500	15	200	70	20	700	15	15	< 200	300
864	9066	N 20	N 100	700	15	< 50	15	< 20	N 200	30	N 20	300	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
817	9012	150	700	200	N 500
818	9013	150	150	150	N 500
819	9014	200	N 50	500	N 500
820	9015	150	N 50	500	N 500
821	9017	200	2000	300	N 500
822	9018	150	20000	150	N 500
823	9019	150	N 50	300	N 500
824	9020	300	N 50	150	N 500
825	9021	700	N 50	200	N 500
826	9022	1000	100	150	N 500
827	9023	1500	70	100	N 500
828	9024	700	70	100	N 500
829	9025	2000	70	70	N 500
830	9026	1500	70	70	N 500
831	9027	700	70	300	N 500
832	9028	700	70	200	N 500
833	9029	300	150	300	N 500
834	9030	700	70	700	N 500
835	9031	200	N 50	20	N 500
836	9032	700	50	200	N 500
837	9033	700	< 50	200	N 500
838	9034	700	N 50	200	N 500
839	9037	300	N 50	200	N 500
840	9038	150	100	700	N 500
841	9041	500	N 50	200	N 500
842	9042	150	N 50	500	N 500
843	9043	150	N 50	300	N 500
844	9046	300	N 50	70	N 500
845	9047	200	300	70	N 500
846	9048	200	N 50	200	N 500
847	9049	300	70	200	N 500
848	9050	200	N 50	200	N 500
849	9051	150	200	200	N 500
850	9052	100	50	500	N 500
851	9053	300	300	150	N 500
852	9054	300	50	150	N 500
853	9055	150	200	500	N 500
854	9056	150	50	300	N 500
855	9057	200	N 50	150	N 500
856	9058	150	N 50	70	N 500
857	9059	150	N 50	200	N 500
858	9060	300	N 50	150	N 500
859	9061	300	N 50	150	N 500
860	9062	150	70	200	N 500
861	9063	700	N 50	70	N 500
862	9064	700	N 50	70	N 500
863	9065	150	5000	1000	N 500
864	9066	200	300	70	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	S-TI%
865	9067	D-335740	603055	1591000	60.51528	159.16670	20	3	1	0.5	1.5	> 2
866	9068	D-335741	602550	1591418	60.43056	159.23830	20	5	0.7	< 0.5	< 0.5	0.7
867	9069	D-335742	602517	1590805	60.42139	159.13470	5	5	0.5	0.7	2	1.5
868	9070	D-335743	602420	1590740	60.40556	159.12780	10	5	1	0.7	1.5	> 2
869	9071	D-335744	602534	1591127	60.42611	159.19080	10	7	1.5	0.7	3	2
870	9072	D-335745	602324	1590920	60.39000	159.15550	1.5	3	0.7	0.7	0.7	> 2
871	9073	D-335746	602317	1590917	60.38805	159.15470	1.5	2	1.5	0.7	0.7	> 2
872	9074	D-335747	602150	1591256	60.36389	159.21560	20	3	0.7	< 0.5	< 0.5	1.5
873	9075	D-335748	603955	1591105	60.66528	159.18470	15	3	3	0.7	7	> 2
874	9076	D-335749	604132	1591413	60.69222	159.23690	10	2	1.5	0.7	5	> 2
875	9077	D-335750	602900	1590000	60.48333	159.00000	7	1.5	0.5	0.5	3	> 2
876	9078	D-335751	602705	1590323	60.45139	159.05640	20	3	0.3	< 0.5	1	1
877	9079	D-335752	602644	1590251	60.44556	159.04750	15	2	0.5	0.5	3	> 2
878	9080	D-335753	602557	1590346	60.43250	159.06280	15	2	0.5	0.5	3	> 2
879	9081	D-335754	602417	1590420	60.40472	159.07220	7	1.5	0.7	0.5	1	> 2
880	9082	D-335809	602348	1590000	60.39667	159.00000	5	5	0.5	1	5	2
881	9083	D-335755	601928	1590340	60.32444	159.06110	3	3	1	0.5	< 0.5	> 2
882	9084	D-335810	602135	1590640	60.35972	159.11110	15	5	2	0.7	0.7	1.5
883	9085	D-335811	602129	1590633	60.35806	159.10920	20	5	1.5	0.7	0.7	1
884	9086	D-335812	601521	1591248	60.25583	159.21330	20	3	1.5	0.7	1.5	0.5
885	9087	D-335813	602232	1610248	60.37556	161.04670	10	7	3	1	1	> 2
886	9088	D-335814	602509	1610126	60.41917	161.02390	7	3	3	0.5	3	> 2
887	9089	D-335815	602836	1605833	60.47667	160.97580	1.5	2	1	< 0.5	1	> 2
888	9090	D-335816	602751	1605519	60.46417	160.92200	10	3	3	1	3	> 2
889	9091	D-336260	600121	1595730	60.02250	159.95830	15	7	3	1	7	> 2
890	9092	D-336261	602327	1593100	60.39083	159.51670	15	15	2	0.7	7	> 2
891	9301	D-334095	604549	1592920	60.76361	159.48890	1.5	0.5	0.15	< 0.5	1.5	> 2
892	9302	D-334096	604543	1593000	60.76194	159.50000	7	0.7	0.7	< 0.5	1.5	> 2
893	9303	D-334097	604329	1592910	60.72472	159.48610	7	2	1	< 0.5	3	> 2
894	9304	D-334098	603625	1590133	60.60695	159.02580	20	0.7	0.2	< 0.5	15	> 2
895	9305	D-334099	603406	1590217	60.56833	159.03810	20	1.5	0.3	0.7	10	> 2
896	9306	D-334100	602914	1590409	60.48722	159.06920	20	3	0.7	0.5	5	> 2
897	9307	D-334101	602911	1590643	60.48639	159.11190	1.5	3	0.2	< 0.5	3	> 2
898	9308	D-334102	603903	1590645	60.65083	159.11250	10	2	1.5	0.5	3	> 2
899	9309	D-334103	604232	1590646	60.70889	159.11280	3	1	0.3	< 0.5	5	> 2
900	9310	D-334104	604212	1590540	60.70333	159.09450	3	1	0.5	< 0.5	5	> 2
901	9311	D-334105	604345	1590815	60.72917	159.13750	1.5	0.7	0.5	< 0.5	2	> 2
902	9312	D-334106	604458	1590508	60.74944	159.08560	7	0.7	0.5	< 0.5	7	> 2
903	9314	D-334107	604346	1591348	60.72944	159.23000	15	1.5	2	0.5	5	> 2
904	9315	D-334108	604624	1591050	60.77333	159.18060	15	1.5	1.5	1.5	7	0.7
905	9316	D-334129	601245	1600746	60.21250	160.12940	1.5	1.5	1	< 0.5	1.5	> 2
906	9317	D-334130	601241	1600742	60.21139	160.12830	1.5	1.5	1.5	0.5	1	> 2
907	9318	D-334131	601350	1600130	60.23056	160.02500	1.5	1.5	0.7	< 0.5	7	> 2
908	9319	D-334132	601409	1595951	60.23583	159.99750	1.5	1	0.7	< 0.5	3	1.5
909	9320	D-334133	601406	1595957	60.23500	159.99930	1.5	0.7	0.3	< 0.5	3	2
910	9321	D-334134	601058	1600002	60.18278	160.00050	1.5	2	3	< 0.5	2	> 2
911	9322	D-334174	600956	1595857	60.16555	159.98250	1.5	3	2	< 0.5	3	> 2
912	9323	D-334175	600818	1595706	60.13833	159.95170	15	5	5	0.7	2	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
865	9067	N 1	N 500	N 20	1000	300	3	N 20	N 50	< 20	30	10	10
866	9068	1	N 500	N 20	> 5000	70	3	N 20	N 50	30	30	70	20
867	9069	5	N 500	N 20	300	> 10000	< 2	N 20	N 50	30	30	150	< 10
868	9070	N 1	N 500	N 20	300	700	3	N 20	N 50	50	150	150	15
869	9071	1	N 500	N 20	1000	> 10000	3	N 20	N 50	30	50	70	15
870	9072	N 1	N 500	N 20	100	3000	3	N 20	N 50	30	150	50	10
871	9073	N 1	N 500	N 20	300	300	3	N 20	N 50	30	150	30	10
872	9074	< 1	< 500	N 20	> 5000	150	3	N 20	N 50	< 20	50	150	15
873	9075	1	N 500	N 20	30	150	5	N 20	N 50	30	150	15	< 10
874	9076	N 1	N 500	N 20	300	150	3	N 20	N 50	< 20	150	< 10	10
875	9077	7	N 500	< 20	70	300	3	N 20	N 50	< 20	50	15	10
876	9078	5	N 500	N 20	150	70	3	N 20	N 50	30	20	150	15
877	9079	N 1	N 500	N 20	70	300	3	N 20	N 50	< 20	30	30	10
878	9080	7	N 500	N 20	70	300	3	< 20	N 50	< 20	30	50	10
879	9081	< 1	700	N 20	70	150	3	N 20	N 50	< 20	50	50	15
880	9082	1.5	500	N 20	100	> 10000	N 2	N 20	N 50	30	70	70	10
881	9083	70	N 500	1000	< 20	> 10000	5	N 20	N 50	20	< 20	70	15
882	9084	2	1500	N 20	700	1500	3	< 20	N 50	70	500	100	30
883	9085	1	500	N 20	1500	700	5	N 20	N 50	30	150	100	30
884	9086	1	N 500	N 20	> 5000	1500	5	N 20	N 50	20	100	30	30
885	9087	N 1	N 500	N 20	70	700	N 2	N 20	N 50	30	300	15	30
886	9088	N 1	N 500	N 20	50	300	N 2	N 20	N 50	30	300	10	20
887	9089	N 1	N 500	N 20	150	300	N 2	N 20	N 50	20	70	10	30
888	9090	N 1	N 500	N 20	70	300	N 2	N 20	N 50	30	150	15	30
889	9091	300	1500	> 1000	70	700	2	20	N 50	70	1000	150	15
890	9092	15	N 500	30	70	700	3	N 20	N 50	100	700	500	20
891	9301	N 1	N 500	N 20	30	500	< 2	N 20	N 50	< 20	50	< 10	< 10
892	9302	N 1	N 500	N 20	70	300	2	N 20	N 50	< 20	50	< 10	< 10
893	9303	N 1	N 500	N 20	70	300	3	N 20	N 50	< 20	150	< 10	< 10
894	9304	N 1	1500	N 20	< 20	150	N 2	N 20	N 50	30	50	10	< 10
895	9305	N 1	< 500	N 20	< 20	150	N 2	N 20	N 50	< 20	70	30	< 10
896	9306	N 1	3000	N 20	30	200	3	N 20	N 50	< 20	150	30	10
897	9307	N 1	3000	N 20	1000	> 10000	2	N 20	N 50	50	30	70	10
898	9308	N 1	N 500	N 20	150	700	2	N 20	N 50	< 20	300	< 10	10
899	9309	3	N 500	20	< 20	700	3	N 20	N 50	< 20	700	10	< 10
900	9310	N 1	N 500	N 20	70	300	3	N 20	N 50	< 20	300	10	< 10
901	9311	N 1	N 500	N 20	150	300	3	N 20	N 50	< 20	700	< 10	< 10
902	9312	N 1	N 500	N 20	< 20	200	2	N 20	N 50	< 20	500	< 10	< 10
903	9314	N 1	N 500	N 20	150	150	2	100	N 50	< 20	300	< 10	< 10
904	9315	N 1	N 500	N 20	< 20	300	< 2	N 20	N 50	< 20	150	< 10	15
905	9316	N 1	N 500	N 20	150	5000	3	N 20	N 50	< 20	70	30	15
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907	9318	N 1	N 500	N 20	150	7000	2	N 20	N 50	< 20	150	< 10	< 10
908	9319	N 1	N 500	N 20	20	150	N 2	N 20	N 50	< 20	70	< 10	< 10
909	9320	15	N 500	300	30	150	N 2	N 20	N 50	< 20	30	< 10	< 10
910	9321	N 1	N 500	N 20	< 20	300	N 2	< 20	N 50	< 20	300	< 10	< 10
911	9322	N 1	N 500	N 20	30	> 10000	5	N 20	N 50	30	700	20	15
912	9323	N 1	2000	N 20	30	700	N 2	N 20	N 50	70	1500	20	10

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
865	9067	N 20	< 100	5000	10	150	10	< 20	N 200	70	300	< 200	N 200
866	9068	< 20	N 100	1000	10	< 50	15	< 20	N 200	15	70	< 200	N 200
867	9069	N 20	< 100	3000	15	< 50	70	30	1500	15	N 20	1500	N 200
868	9070	< 20	< 100	700	N 10	< 50	70	30	N 200	20	N 20	300	N 200
869	9071	N 20	150	3000	10	< 50	50	20	N 200	30	N 20	700	N 200
870	9072	N 20	< 100	1500	N 10	50	15	< 20	N 200	30	N 20	200	N 200
871	9073	N 20	< 100	1500	N 10	< 50	15	20	N 200	30	30	200	N 200
872	9074	N 20	N 100	1000	N 10	< 50	15	30	N 200	15	20	< 200	N 200
873	9075	N 20	700	2000	< 10	< 50	15	30	N 200	30	200	200	N 200
874	9076	N 20	300	3000	N 10	70	10	< 20	N 200	50	300	200	N 200
875	9077	N 20	150	700	N 10	< 50	10	< 20	N 200	30	N 20	500	N 200
876	9078	< 20	N 100	700	N 10	< 50	15	100	N 200	10	N 20	300	N 200
877	9079	N 20	150	1000	< 10	< 50	15	N 20	N 200	30	N 20	700	N 200
878	9080	N 20	150	1000	N 10	< 50	15	1000	N 200	20	N 20	700	N 200
879	9081	N 20	< 100	700	N 10	< 50	10	70	N 200	30	N 20	300	N 200
880	9082	N 20	150	300	15	50	100	30	N 200	15	150	1500	N 200
881	9083	< 20	100	700	30	150	15	150	N 200	30	N 20	300	N 200
882	9084	N 20	< 100	1500	15	50	100	700	N 200	30	N 20	300	N 200
883	9085	< 20	N 100	1000	10	50	70	70	N 200	30	20	300	N 200
884	9086	N 20	N 100	2000	15	< 50	20	50	N 200	20	N 20	300	N 200
885	9087	N 20	150	1500	15	50	30	30	N 200	70	N 20	700	N 200
886	9088	N 20	200	2000	N 10	70	30	30	N 200	70	30	300	N 200
887	9089	N 20	100	700	N 10	70	< 10	< 20	N 200	30	N 20	200	500
888	9090	N 20	100	2000	N 10	70	20	100	N 200	70	150	700	N 200
889	9091	N 20	300	3000	70	70	150	7000	< 200	70	N 20	300	N 200
890	9092	N 20	300	2000	N 10	50	100	200	N 200	70	30	300	N 200
891	9301	N 20	150	300	N 10	70	< 10	< 20	N 200	50	50	300	N 200
892	9302	N 20	150	700	< 10	70	< 10	20	N 200	50	300	300	N 200
893	9303	N 20	200	700	< 10	70	< 10	30	N 200	30	30	300	N 200
894	9304	N 20	700	300	10	< 50	15	< 20	N 200	15	N 20	300	N 200
895	9305	N 20	500	300	N 10	< 50	< 10	< 20	N 200	15	N 20	300	N 200
896	9306	N 20	100	1500	< 10	< 50	15	< 20	N 200	15	N 20	700	N 200
897	9307	N 20	150	300	10	< 50	30	100	N 200	30	< 20	700	N 200
898	9308	N 20	150	3000	N 10	70	15	< 20	N 200	30	1500	200	N 200
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900	9310	N 20	300	1500	10	50	< 10	70	N 200	30	300	500	N 200
901	9311	N 20	100	700	15	< 50	< 10	70	N 200	50	< 20	< 200	N 200
902	9312	N 20	150	700	15	< 50	< 10	70	< 200	30	< 20	300	N 200
903	9314	N 20	300	3000	N 10	50	15	< 20	N 200	30	1500	300	N 200
904	9315	N 20	300	300	N 10	< 50	< 10	< 20	N 200	15	30	700	N 200
905	9316	< 20	< 100	1500	15	50	< 10	< 20	< 200	30	70	300	N 200
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907	9318	N 20	200	1000	30	50	< 10	< 20	N 200	30	20	300	N 200
908	9319	N 20	200	1500	30	< 50	< 10	< 20	N 200	30	N 20	< 200	N 200
909	9320	N 20	200	700	30	< 50	< 10	< 20	N 200	30	30	< 200	N 200
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911	9322	N 20	150	2000	15	50	50	< 20	N 200	50	30	300	N 200
912	9323	N 20	150	3000	15	70	100	30	N 200	70	200	300	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
865	9067	150	1000	300	N 500
866	9068	200	200	50	N 500
867	9069	150	300	150	N 500
868	9070	200	N 50	70	N 500
869	9071	200	N 50	150	N 500
870	9072	700	300	150	N 500
871	9073	500	N 50	150	N 500
872	9074	300	N 50	70	N 500
873	9075	200	70	700	1500
874	9076	150	700	700	N 500
875	9077	150	N 50	300	N 500
876	9078	100	N 50	70	N 500
877	9079	150	N 50	300	N 500
878	9080	150	N 50	300	N 500
879	9081	300	100	200	N 500
880	9082	150	N 50	150	N 500
881	9083	150	70	150	700
882	9084	300	N 50	100	N 500
883	9085	300	N 50	70	N 500
884	9086	200	N 50	70	N 500
885	9087	500	N 50	150	N 500
886	9088	500	100	200	N 500
887	9089	300	N 50	200	N 500
888	9090	300	N 50	150	N 500
889	9091	300	15000	300	N 500
890	9092	300	100	300	N 500
891	9301	200	150	500	N 500
892	9302	300	N 50	700	N 500
893	9303	300	150	700	N 500
894	9304	70	150	700	N 500
895	9305	150	N 50	700	N 500
896	9306	150	N 50	150	N 500
897	9307	300	150	150	N 500
898	9308	150	2000	300	N 500
899	9309	700	150	150	N 500
900	9310	500	300	200	N 500
901	9311	300	70	100	N 500
902	9312	300	70	150	N 500
903	9314	150	500	700	N 500
904	9315	70	N 50	300	N 500
905	9316	150	700	300	N 500
906	9317	150	700	150	N 500
907	9318	150	2000	500	N 500
908	9319	70	150	700	N 500
909	9320	70	100	500	N 500
910	9321	150	200	500	N 500
911	9322	300	300	300	N 500
912	9323	700	7000	150	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	S-TI%
913	9324	D-334176	600218	1595159	60.03833	159.86640	7	1	0.7	0.5	7	0.2
914	9325	D-334177	600218	1595159	60.03833	159.86640	1.5	2	0.7	<0.5	1.5	2
915	9326	D-334178	605720	1594650	60.95555	159.78050	1.5	2	1	<0.5	1.5	>2
916	9327	D-334179	605722	1594655	60.95611	159.78200	0.7	2	1	<0.5	1.5	>2
917	9328	D-334180	605627	1594800	60.94083	159.80000	0.7	0.7	0.7	<0.5	2	>2
918	9329	D-334181	605540	1594930	60.92778	159.82500	1	3	3	<0.5	1.5	>2
919	9330	D-334182	605427	1595020	60.90750	159.83890	0.5	0.5	0.2	<0.5	1.5	>2
920	9331	D-334183	605431	1595018	60.90861	159.83830	1.5	0.5	0.5	<0.5	3	>2
921	9332	D-334184	610011	1595133	61.00306	159.85920	1.5	0.7	0.7	0.5	7	>2
922	9333	D-334185	610147	1594550	61.02972	159.76390	1.5	0.2	0.15	<0.5	2	>2
923	9334	D-334186	610356	1594240	61.06556	159.71110	1	0.5	0.7	<0.5	1.5	>2
924	9335	D-334187	610833	1594457	61.14250	159.74920	7	3	1.5	1	0.7	>2
925	9336	D-334188	610346	1593719	61.06278	159.62190	1.5	1	1.5	0.7	3	>2
926	9337	D-334189	610343	1593728	61.06194	159.62450	1.5	3	3	0.7	1.5	>2
927	9338	D-334190	610234	1593518	61.04278	159.58830	1	1	0.7	0.7	2	>2
928	9339	D-334191	610236	1593503	61.04333	159.58420	1	1.5	0.7	0.7	2	>2
929	9340	D-334192	610053	1593258	61.01472	159.54940	1.5	1.5	2	0.7	1.5	>2
930	9343	D-334193	602257	1602726	60.38250	160.45720	1.5	1	0.5	<0.5	2	>2
931	9344	D-334194	602809	1603219	60.46917	160.53860	1	0.7	0.5	<0.5	3	2
932	9345	D-334195	602639	1603911	60.44417	160.65310	1	1.5	1	<0.5	1	>2
933	9346	D-334196	602710	1604336	60.45278	160.72670	1.5	3	2	0.5	1.5	>2
934	9348	D-335685	602227	1603806	60.37417	160.63500	1	1	0.7	<0.5	3	>2
935	9349	D-335686	602248	1604600	60.38000	160.76670	1	1	0.7	<0.5	1.5	>2
936	9350	D-335687	602638	1605124	60.44389	160.85670	5	3	2	1	1.5	2
937	9351	D-335688	602505	1605504	60.41806	160.91780	5	5	3	0.7	0.7	1.5
938	9353	D-335689	602308	1605248	60.38556	160.88000	1	2	1.5	<0.5	1.5	>2
939	9354	D-335690	602308	1605300	60.38556	160.88330	1.5	3	3	0.5	1	>2
940	9355	D-335691	602027	1605646	60.34083	160.94610	1	2	1.5	0.5	1.5	1
941	9356	D-335692	602427	1605843	60.40750	160.97860	2	3	3	<0.5	0.7	>2
942	9357	D-335693	602451	1610012	60.41417	161.00330	3	3	3	0.7	0.7	>2
943	9358	D-335694	601652	1595419	60.28111	159.90530	2	1.5	1.5	<0.5	3	1.5
944	9359	D-335695	601133	1595345	60.19250	159.89580	1.5	3	3	<0.5	1	0.7
945	9360	D-335696	601141	1595355	60.19472	159.89860	7	3	3	0.5	2	0.7
946	9361	D-335697	600910	1595155	60.15278	159.86530	5	5	3	0.7	N 0.5	0.7
947	9362	D-335698	601005	1595122	60.16806	159.85610	1.5	3	3	<0.5	1	0.7
948	9363	D-335699	600523	1594929	60.08972	159.82470	7	5	5	0.7	0.7	0.7
949	9364	D-335778	602050	1590950	60.34722	159.16390	20	3	1	0.7	1.5	>2
950	9365	D-335779	602022	1590845	60.33944	159.14580	15	3	1.5	1	2	>2
951	9366	D-335780	602029	1590816	60.34139	159.13780	20	3	1.5	0.7	0.7	2
952	9367	D-335781	602002	1590704	60.33389	159.11780	3	15	1.5	0.7	1.5	>2
953	9368	D-335782	602002	1590536	60.33389	159.09330	7	7	1.5	1.5	2	>2
954	9369	D-335783	602022	1590323	60.33944	159.05640	7	3	1.5	1	1.5	>2
955	9370	D-335784	602022	1590323	60.33944	159.05640	7	3	1.5	0.7	2	>2
956	9371	D-335785	601708	1590728	60.28556	159.12450	10	7	0.7	0.7	2	1.5
957	9372	D-335786	604255	1593951	60.71528	159.66420	1	7	1.5	0.7	1.5	>2
958	9373	D-335787	603738	1604028	60.62722	160.67440	5	3	3	0.7	1	>2
959	9374	D-335788	603651	1604032	60.61417	160.67560	10	2	2	0.5	1.5	>2
960	9375	D-335789	603919	1604210	60.65528	160.70280	15	5	5	0.7	3	>2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
913	9324	N 1	N 500	N 20	70	200	N 2	N 20	N 50	N 20	20	< 10	< 10
914	9325	N 1	N 500	N 20	70	> 10000	N 2	N 20	N 50	< 20	150	< 10	< 10
915	9326	N 1	N 500	N 20	150	1500	5	N 20	N 50	< 20	1500	30	10
916	9327	N 1	N 500	N 20	150	700	7	N 20	N 50	20	300	10	10
917	9328	N 1	N 500	N 20	70	700	5	N 20	N 50	< 20	300	10	10
918	9329	N 1	N 500	N 20	70	700	3	N 20	N 50	30	700	10	10
919	9330	N 1	N 500	N 20	70	700	7	N 20	N 50	< 20	700	< 10	< 10
920	9331	N 1	N 500	N 20	70	1500	7	N 20	N 50	20	700	< 10	10
921	9332	N 1	N 500	N 20	150	> 10000	3	N 20	N 50	20	300	70	15
922	9333	3	N 500	< 20	30	500	N 2	N 20	N 50	< 20	< 20	< 10	< 10
923	9334	N 1	N 500	N 20	70	700	3	N 20	N 50	20	500	10	< 10
924	9335	N 1	N 500	N 20	150	700	3	N 20	N 50	< 20	100	< 10	30
925	9336	N 1	N 500	N 20	200	700	3	N 20	N 50	< 20	300	10	10
926	9337	N 1	N 500	N 20	100	700	3	N 20	N 50	30	700	20	15
927	9338	N 1	N 500	N 20	200	> 10000	3	N 20	N 50	< 20	300	20	10
928	9339	N 1	N 500	N 20	70	500	3	N 20	N 50	< 20	1000	10	< 10
929	9340	N 1	N 500	N 20	200	7000	3	N 20	N 50	30	700	15	10
930	9343	N 1	N 500	N 20	30	300	N 2	N 20	N 50	< 20	70	< 10	< 10
931	9344	20	N 500	300	50	300	15	N 20	N 50	N 20	30	< 10	< 10
932	9345	N 1	N 500	N 20	70	500	N 2	N 20	N 50	< 20	300	< 10	15
933	9346	N 1	N 500	N 20	150	200	N 2	N 20	N 50	20	300	< 10	15
934	9348	< 1	N 500	N 20	70	200	< 2	N 20	N 50	< 20	300	< 10	< 10
935	9349	3	N 500	< 20	70	150	< 2	N 20	N 50	< 20	300	< 10	< 10
936	9350	N 1	N 500	N 20	30	150	< 2	N 20	N 50	< 20	100	15	15
937	9351	15	N 500	100	< 20	150	N 2	N 20	N 50	30	300	< 10	15
938	9353	N 1	N 500	N 20	50	200	N 2	N 20	N 50	< 20	500	< 10	< 10
939	9354	N 1	N 500	N 20	50	150	< 2	N 20	N 50	20	300	< 10	10
940	9355	N 1	N 500	N 20	50	150	3	N 20	N 50	< 20	300	< 10	< 10
941	9356	N 1	N 500	N 20	20	150	N 2	N 20	N 50	20	200	10	10
942	9357	N 1	N 500	N 20	20	150	N 2	N 20	N 50	30	200	10	15
943	9358	N 1	N 500	N 20	70	70	N 2	N 20	N 50	< 20	500	< 10	< 10
944	9359	N 1	N 500	N 20	20	150	N 2	N 20	N 50	30	700	< 10	< 10
945	9360	30	N 500	30	20	100	N 2	N 20	N 50	30	300	< 10	10
946	9361	< 1	N 500	N 20	30	150	< 2	N 20	N 50	30	1000	15	15
947	9362	< 1	N 500	N 20	20	150	N 2	N 20	N 50	20	500	< 10	< 10
948	9363	N 1	N 500	N 20	20	300	N 2	N 20	N 50	30	500	< 10	< 10
949	9364	30	5000	> 1000	500	10000	3	N 20	N 50	70	300	100	30
950	9365	30	N 500	500	300	700	3	N 20	N 50	30	200	150	30
951	9366	1	N 500	N 20	5000	200	3	N 20	N 50	30	300	150	30
952	9367	1.5	N 500	N 20	1500	3000	N 2	N 20	N 50	150	300	300	20
953	9368	N 1	N 500	N 20	300	700	3	N 20	N 50	50	200	200	30
954	9369	N 1	N 500	N 20	70	700	7	N 20	N 50	30	150	70	30
955	9370	< 1	N 500	N 20	100	1000	7	N 20	N 50	30	100	150	20
956	9371	3	N 500	N 20	1000	> 10000	2	N 20	N 50	50	150	100	15
957	9372	50	N 500	700	300	1500	7	300	N 50	30	1500	150	20
958	9373	2	N 500	N 20	100	700	2	N 20	N 50	30	700	20	20
959	9374	3	N 500	< 20	70	300	N 2	N 20	N 50	< 20	300	10	15
960	9375	N 1	N 500	N 20	150	500	N 2	N 20	N 50	30	700	15	20

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
913	9324	N 20	300	1500	N 10	< 50	< 10	< 20	N 200	30	N 20	< 200	N 200
914	9325	N 20	< 100	700	N 10	< 50	< 10	N 20	N 200	20	N 20	1500	N 200
915	9326	N 20	300	1500	N 10	150	15	70	700	30	300	700	N 200
916	9327	N 20	1500	1500	N 10	100	15	70	N 200	70	30	700	N 200
917	9328	N 20	1500	300	N 10	100	15	70	700	70	30	700	N 200
918	9329	N 20	1000	2000	N 10	100	15	30	N 200	70	< 20	700	N 200
919	9330	N 20	500	700	15	100	10	30	N 200	30	30	300	N 200
920	9331	N 20	300	1500	15	100	10	30	700	30	150	700	N 200
921	9332	N 20	500	500	15	70	10	200	N 200	50	150	7000	N 200
922	9333	N 20	300	300	N 10	50	< 10	N 20	N 200	30	70	< 200	N 200
923	9334	N 20	300	500	N 10	70	20	50	N 200	70	150	300	N 200
924	9335	N 20	150	1500	N 10	70	10	70	N 200	50	20	700	N 200
925	9336	N 20	700	700	N 10	70	10	50	N 200	70	N 20	500	N 200
926	9337	N 20	1000	3000	N 10	70	20	50	N 200	70	N 20	700	N 200
927	9338	N 20	1500	700	N 10	70	15	50	N 200	70	30	700	N 200
928	9339	N 20	1000	1000	N 10	100	15	30	N 200	70	< 20	700	N 200
929	9340	N 20	700	1000	N 10	70	20	30	N 200	70	< 20	500	N 200
930	9343	N 20	150	500	N 10	< 50	< 10	N 20	N 200	30	N 20	< 200	N 200
931	9344	N 20	700	500	N 10	< 50	< 10	N 20	N 200	100	N 20	< 200	N 200
932	9345	N 20	200	700	15	< 50	< 10	< 20	N 200	30	50	300	N 200
933	9346	N 20	< 100	1500	N 10	< 50	15	30	N 200	50	N 20	300	N 200
934	9348	N 20	150	700	< 10	< 50	< 10	20	N 200	30	< 20	200	N 200
935	9349	N 20	150	700	< 10	< 50	< 10	< 20	N 200	30	30	< 200	N 200
936	9350	N 20	< 100	1500	N 10	< 50	15	20	N 200	30	N 20	700	N 200
937	9351	N 20	< 100	2000	N 10	< 50	15	< 20	N 200	50	N 20	300	N 200
938	9353	N 20	150	1000	N 10	< 50	15	< 20	N 200	70	N 20	< 200	N 200
939	9354	N 20	100	1500	15	70	15	< 20	N 200	70	N 20	200	N 200
940	9355	N 20	100	1500	N 10	< 50	15	< 20	N 200	30	20	< 200	N 200
941	9356	N 20	< 100	1500	15	50	20	20	N 200	50	20	200	N 200
942	9357	N 20	< 100	1500	N 10	< 50	15	50	N 200	50	N 20	200	N 200
943	9358	N 20	300	1500	50	< 50	< 10	< 20	N 200	30	< 20	< 200	N 200
944	9359	N 20	< 100	2000	N 10	< 50	30	30	N 200	50	N 20	< 200	N 200
945	9360	N 20	100	3000	15	< 50	20	< 20	N 200	50	N 20	< 200	N 200
946	9361	N 20	< 100	1500	10	< 50	100	20	N 200	30	N 20	200	N 200
947	9362	N 20	< 100	1500	N 10	< 50	20	< 20	N 200	30	N 20	< 200	N 200
948	9363	N 20	N 100	3000	N 10	< 50	30	< 20	N 200	30	N 20	< 200	N 200
949	9364	N 20	< 100	1500	15	70	100	150	< 200	30	70	700	N 200
950	9365	N 20	100	1500	15	70	100	50	1500	30	N 20	700	N 200
951	9366	N 20	< 100	1000	15	< 50	50	30	N 200	30	N 20	700	N 200
952	9367	N 20	< 100	500	N 10	50	200	200	N 200	30	N 20	200	N 200
953	9368	N 20	< 100	1500	N 10	70	70	50	N 200	30	30	1000	N 200
954	9369	N 20	150	1500	15	200	50	700	N 200	30	N 20	500	N 200
955	9370	N 20	200	1500	15	200	50	70	N 200	30	N 20	700	N 200
956	9371	N 20	< 100	1500	N 10	70	100	150	300	15	N 20	1500	N 200
957	9372	N 20	700	1500	50	100	150	100	N 200	70	50	700	N 200
958	9373	N 20	150	2000	15	70	50	50	N 200	70	30	700	N 200
959	9374	N 20	150	1500	15	150	20	30	N 200	50	200	300	N 200
960	9375	N 20	200	3000	15	70	70	50	N 200	70	100	700	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
913	9324	70	N 50	700	N 500
914	9325	150	50	100	N 500
915	9326	700	150	150	N 500
916	9327	700	50	150	N 500
917	9328	700	50	150	N 500
918	9329	700	50	150	N 500
919	9330	1500	50	70	N 500
920	9331	1500	50	100	N 500
921	9332	1000	50	200	N 500
922	9333	70	700	300	N 500
923	9334	700	50	200	N 500
924	9335	300	N 50	200	N 500
925	9336	300	N 50	200	N 500
926	9337	700	N 50	200	N 500
927	9338	700	70	200	N 500
928	9339	300	70	200	N 500
929	9340	700	300	200	N 500
930	9343	150	50	500	N 500
931	9344	150	N 50	5000	N 500
932	9345	300	70	300	N 500
933	9346	700	N 50	200	N 500
934	9348	150	N 50	500	N 500
935	9349	150	N 50	500	N 500
936	9350	200	N 50	70	N 500
937	9351	200	300	100	N 500
938	9353	150	100	300	N 500
939	9354	200	100	150	N 500
940	9355	150	50	500	N 500
941	9356	300	50	150	N 500
942	9357	300	50	150	N 500
943	9358	150	150	700	N 500
944	9359	200	N 50	300	N 500
945	9360	150	N 50	300	N 500
946	9361	300	N 50	70	N 500
947	9362	150	N 50	200	N 500
948	9363	150	N 50	70	N 500
949	9364	700	7000	150	N 500
950	9365	500	300	150	N 500
951	9366	300	N 50	150	N 500
952	9367	300	N 50	100	N 500
953	9368	300	2000	150	N 500
954	9369	300	100	150	N 500
955	9370	300	70	150	N 500
956	9371	200	> 20000	100	N 500
957	9372	300	700	150	N 500
958	9373	700	100	200	N 500
959	9374	700	700	500	N 500
960	9375	300	70	300	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	i-TI%
961	9376	D-335790	602216	1610520	60.37111	161.08890	15	3	2	1	2	> 2
962	9377	D-335791	602527	1610148	60.42417	161.03000	10	2	1.5	0.7	3	> 2
963	9378	D-335792	602733	1605900	60.45917	160.98330	20	3	3	1	3	> 2
964	9379	D-335793	602928	1605447	60.49111	160.91310	15	2	1	0.7	7	> 2
965	9380	D-336262	604044	1591931	60.67889	159.32530	10	7	2	0.5	5	> 2
966	9381	D-336263	604204	1591504	60.70111	159.25110	20	5	3	0.7	3	> 2
967	9382	D-336264	604652	1592248	60.78111	159.38000	1	1	1	0.5	1.5	> 2
968	9383	D-336265	604701	1592253	60.78361	159.38140	1.5	1	1.5	0.7	3	> 2
969	9384	D-336266	605018	1591114	60.83833	159.18720	3	5	3	1.5	1	> 2
970	9385	D-336267	605103	1591841	60.85083	159.31140	7	1	1.5	0.5	10	> 2
971	9386	D-336268	605641	1593743	60.94472	159.62860	1.5	7	3	0.5	0.7	> 2
972	9387	D-336269	605751	1593610	60.96417	159.60280	3	7	2	< 0.5	3	> 2
973	9388	D-336270	601210	1600400	60.20278	160.06670	3	10	3	0.7	3	> 2
974	9389	D-336271	602400	1593240	60.40000	159.54440	7	15	3	0.7	3	> 2
975	9390	D-336272	602132	1592728	60.35889	159.45780	15	15	3	0.7	3	2
976	9391	D-336273	602225	1592618	60.37361	159.43830	7	15	2	0.7	3	2
977	9392	D-336274	603217	1590940	60.53806	159.16110	15	3	2	< 0.5	15	> 2
978	9393	D-336275	603329	1585830	60.55806	158.97500	15	10	2	0.7	2	1.5
979	9601	D-334109	604545	1592920	60.76250	159.48890	5	1	0.7	< 0.5	1.5	> 2
980	9602	D-334110	604451	1592907	60.74750	159.48530	3	2	1.5	< 0.5	2	> 2
981	9603	D-334111	604358	1592644	60.73278	159.44560	1.5	1	1	< 0.5	3	> 2
982	9604	D-334112	604351	1592649	60.73083	159.44690	1.5	2	0.7	< 0.5	3	> 2
983	9605	D-334113	603522	1590212	60.58944	159.03670	7	0.7	0.15	< 0.5	7	2
984	9606	D-334114	603508	1590221	60.58556	159.03920	15	2	0.3	0.5	7	> 2
985	9607	D-334115	602917	1590357	60.48806	159.06580	7	2	1.5	0.7	2	> 2
986	9608	D-334116	602759	1590728	60.46639	159.12450	7	3	2	0.7	1	> 2
987	9609	D-334117	603805	1590916	60.63472	159.15440	7	1	0.7	< 0.5	5	> 2
988	9610	D-334118	604105	1590825	60.68472	159.14030	2	2	1.5	< 0.5	5	> 2
989	9611	D-334119	604105	1590810	60.68472	159.13610	1.5	2	1.5	< 0.5	3	> 2
990	9612	D-334120	604204	1591210	60.70111	159.20280	7	1	0.2	0.7	3	1.5
991	9613	D-334121	604155	1591155	60.69861	159.19860	20	1.5	1.5	0.7	10	1.5
992	9614	D-334135	604434	1590818	60.74278	159.13830	1.5	1	0.5	< 0.5	1.5	> 2
993	9614D	D-334136	604434	1590818	60.74278	159.13830	1.5	1	0.7	< 0.5	1.5	> 2
994	9615	D-334137	604533	1590932	60.75917	159.15890	15	2	1.5	< 0.5	7	> 2
995	9616	D-334138	604408	1591743	60.73555	159.29530	1.5	0.7	0.7	< 0.5	3	> 2
996	9617	D-334139	604654	1591435	60.78167	159.24310	10	2	2	< 0.5	10	> 2
997	9618	D-334140	601331	1600745	60.22528	160.12920	1.5	2	1	< 0.5	2	> 2
998	9619	D-334141	601432	1600628	60.24222	160.10780	1.5	1.5	0.7	< 0.5	3	> 2
999	9620	D-334142	601510	1600331	60.25278	160.05860	1	0.7	0.7	< 0.5	3	2
1000	9621	D-334143	601249	1595908	60.21361	159.98550	5	3	3	< 0.5	3	> 2
1001	9622	D-334144	601204	1595947	60.20111	159.99640	1.5	3	3	< 0.5	1.5	> 2
1002	9623	D-334145	601147	1600044	60.19639	160.01220	1.5	1.5	1.5	< 0.5	3	1.5
1003	9624	D-334146	601020	1595937	60.17222	159.99360	1.5	3	0.7	< 0.5	3	> 2
1004	9626	D-334148	600132	1595824	60.02555	159.97330	1.5	1	0.5	< 0.5	3	0.3
1005	9627	D-334149	600123	1594704	60.02306	159.78440	1.5	5	0.2	< 0.5	1.5	0.7
1006	9628	D-334150	600121	1594701	60.02250	159.78360	20	5	1	0.5	10	0.7
1007	9629	D-334151	605728	1594550	60.95778	159.76390	1	2	1.5	< 0.5	0.7	> 2
1008	9630	D-334152	605654	1594740	60.94833	159.79440	1.5	5	3	0.5	0.7	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
961	9376	N 1	N 500	N 20	70	300	2	N 20	N 50	20	150	15	30
962	9377	N 1	N 500	N 20	200	300	2	N 20	N 50	< 20	150	10	20
963	9378	N 1	N 500	N 20	150	300	N 2	N 20	N 50	30	200	15	30
964	9379	N 1	N 500	N 20	70	300	N 2	N 20	N 50	30	100	10	20
965	9380	1	N 500	N 20	300	7000	7	70	N 50	70	1500	100	15
966	9381	150	N 500	> 1000	300	300	30	N 20	N 50	30	1500	20	20
967	9382	30	N 500	700	70	> 10000	< 2	N 20	N 50	< 20	1000	20	< 10
968	9383	50	N 500	> 1000	500	> 10000	3	N 20	N 50	20	1500	20	< 10
969	9384	1	N 500	N 20	30	1500	2	150	N 50	30	1500	< 10	20
970	9385	3	N 500	N 20	3000	7000	3	500	N 50	20	1500	70	15
971	9386	2	700	N 20	150	300	3	N 20	N 50	70	700	200	30
972	9387	15	1000	300	300	500	3	< 20	N 50	50	1000	150	15
973	9388	10	1000	150	150	700	3	N 20	N 50	70	1500	150	15
974	9389	1.5	N 500	N 20	150	700	3	N 20	N 50	70	1000	200	30
975	9390	1.5	N 500	N 20	500	1000	3	N 20	N 50	150	1000	150	20
976	9391	30	N 500	150	500	> 10000	3	N 20	N 50	100	300	150	15
977	9392	2	N 500	N 20	70	300	7	200	N 50	30	50	30	15
978	9393	< 1	700	N 20	70	700	7	N 20	N 50	70	500	150	50
979	9601	1.5	N 500	N 20	50	150	< 2	N 20	N 50	< 20	70	< 10	< 10
980	9602	N 1	N 500	N 20	70	300	3	N 20	N 50	< 20	70	< 10	< 10
981	9603	200	N 500	1000	70	200	3	N 20	N 50	< 20	300	< 10	10
982	9604	200	N 500	> 1000	30	3000	< 2	N 20	N 50	< 20	100	< 10	< 10
983	9605	N 1	3000	N 20	20	300	N 2	< 20	N 50	30	50	50	< 10
984	9606	1.5	10000	N 20	< 20	500	< 2	20	N 50	70	100	150	< 10
985	9607	50	500	200	70	150	3	N 20	N 50	< 20	200	30	15
986	9608	N 1	1500	N 20	500	2000	5	N 20	N 50	30	200	70	15
987	9609	N 1	N 500	N 20	70	150	3	N 20	N 50	< 20	70	< 10	< 10
988	9610	N 1	N 500	N 20	70	300	3	N 20	N 50	< 20	500	< 10	< 10
989	9611	N 1	N 500	N 20	150	300	3	N 20	N 50	< 20	300	< 10	< 10
990	9612	1	N 500	N 20	< 20	150	N 2	N 20	N 50	< 20	70	< 10	< 10
991	9613	N 1	N 500	N 20	30	700	N 2	N 20	N 50	< 20	200	< 10	< 10
992	9614	N 1	N 500	N 20	700	300	3	70	N 50	< 20	700	< 10	< 10
993	9614D	N 1	N 500	N 20	1000	300	3	150	N 50	< 20	700	< 10	< 10
994	9615	N 1	N 500	N 20	5000	150	< 2	N 20	N 50	< 20	500	< 10	< 10
995	9616	N 1	N 500	N 20	100	300	3	N 20	N 50	< 20	100	< 10	< 10
996	9617	N 1	N 500	N 20	50	3000	3	N 20	N 50	20	700	< 10	< 10
997	9618	N 1	N 500	N 20	< 20	300	2	N 20	N 50	< 20	30	< 10	< 10
998	9619	N 1	N 500	N 20	< 20	70	N 2	N 20	N 50	< 20	20	< 10	< 10
999	9620	1	N 500	N 20	< 20	70	N 2	N 20	N 50	< 20	< 20	< 10	< 10
1000	9621	N 1	N 500	N 20	< 20	150	N 2	N 20	N 50	< 20	700	< 10	< 10
1001	9622	70	N 500	700	< 20	150	2	N 20	N 50	20	500	< 10	< 10
1002	9623	N 1	N 500	N 20	< 20	70	N 2	N 20	N 50	< 20	150	< 10	< 10
1003	9624	N 1	N 500	N 20	100	> 10000	3	N 20	N 50	< 20	150	30	< 10
1004	9626	15	N 500	300	70	150	N 2	50	N 50	< 20	70	30	< 10
1005	9627	1	N 500	N 20	500	> 10000	N 2	N 20	N 50	20	< 20	20	< 10
1006	9628	1	N 500	N 20	< 20	> 10000	N 2	< 20	N 50	< 20	150	150	< 10
1007	9629	N 1	N 500	N 20	150	700	3	150	N 50	< 20	700	15	< 10
1008	9630	N 1	N 500	N 20	70	150	N 2	N 20	N 50	30	700	15	< 10

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
961	9376	N 20	150	1500	15	50	50	30	N 200	70	< 20	700	N 200
962	9377	N 20	200	1500	15	100	20	30	N 200	70	20	500	N 200
963	9378	N 20	150	3000	N 10	70	30	50	N 200	70	70	700	N 200
964	9379	N 20	150	1500	20	70	20	100	N 200	50	150	300	N 200
965	9380	N 20	300	2000	N 10	70	70	70	700	70	700	700	N 200
966	9381	N 20	300	3000	N 10	70	70	30	N 200	70	> 2000	500	N 200
967	9382	N 20	150	500	N 10	70	30	50	300	30	200	7000	N 200
968	9383	N 20	300	1000	N 10	100	50	30	N 200	70	30	1500	N 200
969	9384	N 20	< 100	1500	N 10	< 50	70	< 20	N 200	50	700	700	N 200
970	9385	N 20	300	1000	N 10	70	50	100	N 200	70	70	700	N 200
971	9386	N 20	700	5000	30	150	100	70	3000	50	700	< 200	N 200
972	9387	N 20	300	3000	20	200	70	< 20	N 200	50	150	300	N 200
973	9388	N 20	150	3000	N 10	150	100	50	2000	50	N 20	1000	N 200
974	9389	N 20	300	3000	10	< 50	100	150	N 200	50	N 20	500	N 200
975	9390	N 20	300	7000	30	< 50	150	500	N 200	70	50	300	N 200
976	9391	N 20	300	7000	30	< 50	150	100	300	30	N 20	1000	N 200
977	9392	N 20	700	3000	N 10	200	15	50	N 200	100	70	< 200	300
978	9393	N 20	500	2000	N 10	50	150	50	N 200	30	N 20	200	N 200
979	9601	N 20	150	500	N 10	70	< 10	< 20	N 200	50	70	300	N 200
980	9602	N 20	300	1500	N 10	70	10	20	N 200	50	30	300	N 200
981	9603	N 20	300	1000	20	70	< 10	30	N 200	30	300	300	N 200
982	9604	N 20	150	700	150	70	< 10	30	N 200	30	1500	200	N 200
983	9605	N 20	300	300	N 10	< 50	30	< 20	N 200	30	N 20	< 200	N 200
984	9606	N 20	300	300	N 10	< 50	100	150	< 200	20	N 20	< 200	N 200
985	9607	N 20	100	1000	< 10	50	15	< 20	N 200	30	N 20	500	N 200
986	9608	N 20	< 100	1500	< 10	< 50	20	< 20	< 200	30	N 20	300	N 200
987	9609	N 20	150	1500	10	70	< 10	< 20	N 200	70	1500	< 200	N 200
988	9610	N 20	150	700	15	< 50	10	30	N 200	30	300	200	N 200
989	9611	N 20	150	1500	N 10	< 50	15	< 20	N 200	30	700	200	N 200
990	9612	N 20	150	300	N 10	< 50	< 10	N 20	N 200	10	N 20	< 200	N 200
991	9613	N 20	300	700	N 10	< 50	10	< 20	N 200	15	< 20	500	N 200
992	9614	N 20	150	300	15	< 50	< 10	100	N 200	30	20	< 200	N 200
993	9614D	N 20	150	500	15	< 50	< 10	70	N 200	30	20	< 200	N 200
994	9615	N 20	300	1500	N 10	50	15	200	300	30	200	300	N 200
995	9616	N 20	300	1000	15	50	< 10	30	N 200	50	700	300	N 200
996	9617	N 20	300	1000	15	< 50	30	30	N 200	30	N 20	300	N 200
997	9618	N 20	150	1500	N 10	70	< 10	< 20	N 200	30	< 20	< 200	N 200
998	9619	N 20	150	1000	30	50	< 10	< 20	N 200	30	N 20	N 200	N 200
999	9620	N 20	150	300	N 10	70	< 10	N 20	N 200	30	< 20	300	N 200
1000	9621	N 20	150	1500	N 10	< 50	10	< 20	N 200	50	N 20	200	N 200
1001	9622	N 20	150	1500	N 10	< 50	20	< 20	N 200	50	N 20	< 200	N 200
1002	9623	N 20	150	1000	N 10	< 50	< 10	N 20	N 200	30	N 20	N 200	N 200
1003	9624	N 20	150	700	N 10	50	20	20	N 200	30	N 20	300	N 200
1004	9626	N 20	300	700	10	< 50	< 10	< 20	N 200	15	N 20	< 200	N 200
1005	9627	N 20	< 100	700	20	< 50	30	< 20	N 200	< 10	N 20	1000	N 200
1006	9628	N 20	300	2000	< 10	< 50	20	1500	N 200	20	N 20	300	N 200
1007	9629	N 20	500	1500	< 10	100	20	70	3000	30	100	300	N 200
1008	9630	N 20	700	3000	N 10	70	15	< 20	N 200	50	N 20	< 200	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
961	9376	500	70	300	N 500
962	9377	300	150	300	N 500
963	9378	300	N 50	300	N 500
964	9379	300	200	200	N 500
965	9380	500	1000	300	N 500
966	9381	300	7000	500	1000
967	9382	200	200	150	N 500
968	9383	300	70	200	N 500
969	9384	300	N 50	100	N 500
970	9385	700	50	200	N 500
971	9386	300	10000	200	N 500
972	9387	300	> 20000	200	N 500
973	9388	200	> 20000	100	N 500
974	9389	200	300	200	N 500
975	9390	300	300	200	N 500
976	9391	200	500	200	N 500
977	9392	100	10000	700	N 500
978	9393	300	100	200	N 500
979	9601	200	150	500	N 500
980	9602	200	N 50	300	N 500
981	9603	300	500	300	N 500
982	9604	200	15000	300	N 500
983	9605	70	N 50	700	N 500
984	9606	150	70	700	N 500
985	9607	300	N 50	150	N 500
986	9608	300	N 50	100	N 500
987	9609	150	5000	500	N 500
988	9610	700	70	200	N 500
989	9611	300	300	300	N 500
990	9612	150	150	150	N 500
991	9613	150	N 50	500	1500
992	9614	300	50	100	N 500
993	9614D	700	50	100	N 500
994	9615	300	100	300	N 500
995	9616	200	300	500	N 500
996	9617	700	N 50	300	N 500
997	9618	150	700	300	N 500
998	9619	100	150	300	N 500
999	9620	70	15000	500	N 500
1000	9621	150	N 50	500	N 500
1001	9622	200	N 50	300	N 500
1002	9623	70	N 50	700	N 500
1003	9624	150	50	300	N 500
1004	9626	50	300	500	N 500
1005	9627	70	N 50	70	N 500
1006	9628	70	N 50	150	N 500
1007	9629	300	500	150	N 500
1008	9630	300	N 50	70	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	i-MG%	S-NA%	S-P %	i-TI%
1009	9631	D-334153	605635	1594735	60.94305	159.79310	0.5	0.7	0.7	< 0.5	0.7	> 2
1010	9632	D-334154	605544	1594810	60.92889	159.80280	1	1	2	< 0.5	1	> 2
1011	9633	D-334155	605540	1594818	60.92778	159.80500	1	3	0.7	< 0.5	1.5	> 2
1012	9634	D-334156	605430	1595040	60.90833	159.84450	1.5	5	2	< 0.5	0.7	> 2
1013	9635	D-335700	610035	1595116	61.00972	159.85440	1.5	1	0.5	< 0.5	2	> 2
1014	9636	D-335701	610335	1594445	61.05972	159.74580	1	1.5	0.3	< 0.5	1.5	> 2
1015	9637	D-335702	610432	1594551	61.07555	159.76420	1.5	1	1	< 0.5	3	> 2
1016	9638	D-335703	610839	1594650	61.14417	159.78050	3	1	0.7	< 0.5	1.5	> 2
1017	9639	D-335704	610310	1593857	61.05278	159.64920	3	3	1	0.5	3	> 2
1018	9640	D-335705	610306	1593852	61.05167	159.64780	1.5	2	1	< 0.5	1.5	> 2
1019	9641	D-335706	610022	1593830	61.00611	159.64170	1.5	1.5	1	< 0.5	3	> 2
1020	9642	D-335707	610033	1593838	61.00917	159.64390	2	1	0.7	< 0.5	1.5	> 2
1021	9643	D-335708	603421	1602736	60.57250	160.46000	1.5	1	0.7	0.5	3	> 2
1022	9644	D-335709	603350	1602908	60.56389	160.48550	1.5	1.5	0.7	< 0.5	1.5	> 2
1023	9646	D-335710	602413	1602705	60.40361	160.45140	1.5	1.5	0.7	0.5	3	> 2
1024	9647	D-335711	602500	1603137	60.41667	160.52690	1.5	1.5	0.7	0.5	1.5	> 2
1025	9648	D-335712	602741	1603654	60.46139	160.61500	1	1	0.7	< 0.5	1	> 2
1026	9649	D-335713	602556	1603914	60.43222	160.65390	1.5	2	1.5	0.7	1	> 2
1027	9650	D-335714	602912	1604439	60.48667	160.74420	5	3	3	0.7	1.5	> 2
1028	9652	D-335715	602539	1604546	60.42750	160.76280	1.5	3	3	< 0.5	1.5	> 2
1029	9653	D-335716	602531	1603626	60.42528	160.60720	1.5	3	2	0.7	1.5	> 2
1030	9654	D-335717	602046	1604030	60.34611	160.67500	1.5	1.5	1	< 0.5	3	> 2
1031	9655	D-335718	602710	1605102	60.45278	160.85060	7	3	2	0.7	2	> 2
1032	9656	D-335719	602512	1605515	60.42000	160.92080	7	3	2	0.5	3	> 2
1033	9657	D-335720	602521	1605234	60.42250	160.87610	1	1.5	0.7	< 0.5	1.5	> 2
1034	9658	D-335721	602251	1605034	60.38083	160.84280	1	1.5	1	< 0.5	1.5	> 2
1035	9659	D-335722	602159	1605348	60.36639	160.89670	1.5	1.5	1	< 0.5	2	> 2
1036	9660	D-335723	602152	1605850	60.36444	160.98060	1.5	2	1.5	< 0.5	1	> 2
1037	9661	D-335724	602411	1605856	60.40306	160.98220	1.5	2	1	< 0.5	1.5	> 2
1038	9662	D-335725	602422	1610009	60.40611	161.00250	3	3	3	< 0.5	1.5	> 2
1039	9663	D-335726	601551	1595517	60.26417	159.92140	1.5	1	0.7	< 0.5	3	2
1040	9666	D-335729	600840	1595120	60.14444	159.85560	3	3	3	0.7	0.7	2
1041	9667	D-335730	600823	1595030	60.13972	159.84170	10	5	3	0.7	1.5	2
1042	9668	D-335731	600548	1595251	60.09667	159.88080	10	5	3	0.5	0.7	2
1043	9669	D-335732	601419	1592306	60.23861	159.38500	1.5	7	2	1	0.7	0.7
1044	9670	D-335733	603427	1591153	60.57417	159.19810	1.5	7	0.7	< 0.5	1.5	2
1045	9671	D-335734	603422	1591200	60.57278	159.20000	1	15	0.5	< 0.5	1.5	2
1046	9672	D-335735	603338	1591304	60.56055	159.21780	1.5	7	0.7	< 0.5	1.5	> 2
1047	9673	D-335736	603245	1591356	60.54583	159.23220	10	3	0.5	< 0.5	3	> 2
1048	9674	D-335737	603102	1591447	60.51722	159.24640	10	5	0.7	< 0.5	1.5	> 2
1049	9675	D-335738	603025	1591537	60.50694	159.26030	10	7	1.5	< 0.5	1.5	1.5
1050	9676	D-335739	603005	1592425	60.50139	159.40700	20	1.5	0.3	0.5	10	2
1051	9677	D-335756	603046	1592643	60.51278	159.44530	0.3	1.5	0.3	< 0.5	< 0.5	0.5
1052	9678	D-335757	602238	1591834	60.37722	159.30940	1.5	2	1.5	0.7	0.7	> 2
1053	9679	D-335758	602234	1591834	60.37611	159.30940	1.5	3	0.7	0.5	1.5	> 2
1054	9680	D-335759	602113	1591933	60.35361	159.32580	5	7	3	0.7	0.7	> 2
1055	9681	D-335760	602408	1591426	60.40222	159.24060	5	7	0.7	< 0.5	0.7	2
1056	9682	D-335761	602928	1591244	60.49111	159.21220	15	3	0.7	< 0.5	0.7	1

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
1009	9631	N 20	300	700	10	70	< 10	30	N 200	30	N 20	300	N 200
1010	9632	N 20	700	1500	< 10	70	< 10	20	300	50	N 20	300	N 200
1011	9633	N 20	700	2000	< 10	70	20	30	300	30	N 20	300	N 200
1012	9634	N 20	N 100	2000	N 10	70	10	< 20	N 200	50	N 20	< 200	N 200
1013	9635	N 20	300	300	N 10	70	< 10	30	N 200	30	< 20	300	N 200
1014	9636	N 20	300	700	N 10	70	15	100	N 200	30	70	700	N 200
1015	9637	N 20	300	500	70	70	< 10	70	N 200	30	150	200	N 200
1016	9638	N 20	700	700	70	70	< 10	20	N 200	50	300	< 200	N 200
1017	9639	N 20	150	1500	30	70	20	30	N 200	30	N 20	300	N 200
1018	9640	N 20	300	1000	N 10	70	15	30	700	50	20	< 200	N 200
1019	9641	N 20	150	1500	15	70	15	< 20	N 200	30	70	< 200	N 200
1020	9642	N 20	300	700	30	150	< 10	< 20	N 200	30	200	200	N 200
1021	9643	N 20	300	500	N 10	50	< 10	< 20	N 200	50	30	300	N 200
1022	9644	N 20	< 100	1000	N 10	70	15	30	N 200	30	N 20	< 200	N 200
1023	9646	N 20	200	700	N 10	< 50	10	< 20	N 200	30	N 20	200	N 200
1024	9647	N 20	100	1000	N 10	< 50	10	< 20	N 200	30	N 20	200	N 200
1025	9648	N 20	300	500	N 10	< 50	< 10	< 20	N 200	70	N 20	< 200	N 200
1026	9649	N 20	< 100	1500	N 10	< 50	< 10	< 20	N 200	30	N 20	200	N 200
1027	9650	N 20	< 100	1500	N 10	< 50	15	< 20	N 200	30	N 20	200	N 200
1028	9652	N 20	150	1500	N 10	50	15	< 20	N 200	30	30	< 200	N 200
1029	9653	N 20	< 100	1500	15	< 50	15	< 20	N 200	30	N 20	< 200	N 200
1030	9654	N 20	150	1500	N 10	70	10	20	N 200	30	70	< 200	N 200
1031	9655	N 20	< 100	2000	N 10	50	10	20	N 200	30	50	300	N 200
1032	9656	N 20	< 100	1500	N 10	70	10	30	N 200	30	N 20	300	N 200
1033	9657	N 20	150	700	N 10	100	< 10	30	N 200	50	N 20	< 200	N 200
1034	9658	N 20	300	1500	N 10	< 50	< 10	< 20	N 200	50	< 20	< 200	N 200
1035	9659	N 20	200	1000	N 10	70	< 10	< 20	N 200	30	N 20	< 200	N 200
1036	9660	N 20	150	1500	N 10	< 50	< 10	< 20	N 200	30	N 20	< 200	N 200
1037	9661	N 20	150	1500	N 10	70	10	20	N 200	50	150	< 200	N 200
1038	9662	< 20	150	2000	N 10	70	15	< 20	N 200	30	N 20	< 200	N 200
1039	9663	N 20	150	700	N 10	< 50	< 10	< 20	N 200	30	N 20	< 200	N 200
1040	9666	N 20	< 100	1500	N 10	< 50	30	< 20	N 200	30	500	200	N 200
1041	9667	N 20	150	2000	N 10	50	30	< 20	N 200	30	N 20	200	N 200
1042	9668	N 20	< 100	2000	N 10	< 50	50	< 20	N 200	30	N 20	200	N 200
1043	9669	N 20	< 100	3000	15	< 50	50	70	N 200	30	N 20	< 200	N 200
1044	9670	N 20	150	2000	N 10	< 50	50	70	N 200	20	< 20	< 200	N 200
1045	9671	N 20	< 100	1500	N 10	< 50	70	70	N 200	15	30	200	N 200
1046	9672	N 20	200	3000	N 10	70	50	50	N 200	30	30	< 200	N 200
1047	9673	N 20	150	3000	N 10	70	15	300	N 200	50	1000	< 200	N 200
1048	9674	< 20	< 100	3000	N 10	70	15	20	N 200	30	500	200	N 200
1049	9675	< 20	< 100	3000	N 10	< 50	50	30	N 200	30	> 2000	200	N 200
1050	9676	N 20	300	700	N 10	< 50	< 10	< 20	N 200	10	N 20	300	N 200
1051	9677	N 20	N 100	500	N 10	< 50	10	N 20	N 200	< 10	N 20	2000	N 200
1052	9678	N 20	< 100	1500	10	100	15	30	N 200	20	N 20	300	N 200
1053	9679	N 20	200	700	N 10	70	15	200	2000	20	N 20	300	N 200
1054	9680	N 20	< 100	1500	N 10	70	30	20	N 200	30	N 20	200	N 200
1055	9681	N 20	N 100	1500	15	70	30	30	< 200	15	N 20	700	N 200
1056	9682	< 20	N 100	3000	70	< 50	15	70	N 200	15	700	< 200	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
1009	9631	700	70	100	N 500
1010	9632	700	70	150	N 500
1011	9633	700	50	150	N 500
1012	9634	300	< 50	70	N 500
1013	9635	300	N 50	200	N 500
1014	9636	300	200	200	N 500
1015	9637	200	500	700	N 500
1016	9638	300	300	700	N 500
1017	9639	300	1000	300	N 500
1018	9640	300	300	300	N 500
1019	9641	150	5000	300	N 500
1020	9642	150	15000	300	N 500
1021	9643	150	N 50	700	N 500
1022	9644	300	N 50	150	N 500
1023	9646	200	N 50	500	N 500
1024	9647	150	N 50	300	N 500
1025	9648	150	N 50	700	N 500
1026	9649	100	N 50	300	N 500
1027	9650	200	N 50	150	N 500
1028	9652	200	N 50	300	N 500
1029	9653	150	N 50	150	N 500
1030	9654	150	N 50	300	N 500
1031	9655	150	N 50	150	N 500
1032	9656	200	N 50	150	N 500
1033	9657	150	300	200	N 500
1034	9658	100	N 50	500	N 500
1035	9659	150	100	500	N 500
1036	9660	300	N 50	300	N 500
1037	9661	300	300	300	N 500
1038	9662	200	N 50	200	N 500
1039	9663	150	N 50	500	N 500
1040	9666	200	N 50	150	N 500
1041	9667	300	N 50	150	N 500
1042	9668	300	N 50	100	N 500
1043	9669	100	N 50	70	N 500
1044	9670	70	150	150	N 500
1045	9671	70	N 50	150	N 500
1046	9672	150	1000	200	N 500
1047	9673	70	700	300	N 500
1048	9674	100	300	200	N 500
1049	9675	150	150	150	N 500
1050	9676	70	150	700	N 500
1051	9677	30	N 50	70	N 500
1052	9678	300	1000	300	N 500
1053	9679	200	10000	500	N 500
1054	9680	200	700	100	N 500
1055	9681	150	1000	70	700
1056	9682	150	500	70	N 500

Index	FieldNo	Lab No	Lat	Long	LAT	LONG	S-CA%	S-FE%	S-MG%	S-NA%	S-P %	i-TI%
1057	9683	D-335762	602648	1591422	60.44667	159.23940	20	2	1.5	0.5	0.7	> 2
1058	9684	D-335763	602551	1590729	60.43083	159.12470	15	2	0.7	< 0.5	1.5	> 2
1059	9685	D-335764	602633	1590917	60.44250	159.15470	1.5	3	1	< 0.5	1.5	> 2
1060	9686	D-335765	602434	1591134	60.40944	159.19280	15	3	1.5	0.5	< 0.5	2
1061	9687	D-335766	602448	1591012	60.41333	159.17000	3	7	1	0.7	2	2
1062	9688	D-335767	602330	1591150	60.39167	159.19720	1.5	3	2	0.7	0.7	> 2
1063	9689	D-335768	602155	1591246	60.36528	159.21280	3	7	0.7	1	1.5	> 2
1064	9690	D-335769	602741	1590008	60.46139	159.00220	15	3	3	1.5	1.5	0.7
1065	9691	D-335770	602705	1590135	60.45139	159.02640	15	7	0.7	0.7	1.5	2
1066	9692	D-335771	602645	1590212	60.44584	159.03670	10	3	1	0.7	2	> 2
1067	9693	D-335772	602419	1590410	60.40528	159.06940	10	5	0.7	0.7	7	0.7
1068	9694	D-335773	602437	1590100	60.41028	159.01670	10	3	0.7	0.7	3	> 2
1069	9695	D-335774	602254	1590230	60.38167	159.04170	7	15	0.5	0.7	3	0.7
1070	9696	D-335775	602004	1590215	60.33445	159.03750	7	3	1.5	0.7	0.7	> 2
1071	9697	D-335776	601804	1590305	60.30111	159.05140	2	2	0.7	0.7	< 0.5	> 2
1072	9698	D-335794	602038	1591042	60.34389	159.17830	15	5	1.5	0.7	1.5	2
1073	9699	D-335795	601956	1590829	60.33222	159.14140	20	7	1.5	0.5	3	2
1074	9700	D-335796	602953	1590808	60.49805	159.13560	20	3	2	0.7	1	> 2
1075	9701	D-335797	602021	1590554	60.33917	159.09830	15	3	2	0.7	3	> 2
1076	9702	D-335798	602102	1590628	60.35056	159.10780	20	3	1.5	0.7	0.7	1.5
1077	9703	D-335799	602150	1590255	60.36389	159.04860	10	7	1.5	0.7	10	> 2
1078	9704	D-335800	601557	1591243	60.26583	159.21190	10	3	1	1	3	> 2
1079	9705	D-335801	604231	1593811	60.70861	159.63640	5	15	10	0.5	0.7	> 2
1080	9706	D-335802	603717	1603902	60.62139	160.65060	7	3	3	0.7	1.5	> 2
1081	9707	D-335803	603708	1603912	60.61889	160.65330	10	3	5	0.7	1	> 2
1082	9708	D-335804	603921	1604204	60.65583	160.70110	10	7	5	0.7	0.7	> 2
1083	9709	D-335805	602351	1610510	60.39750	161.08610	15	7	3	1	0.7	> 2
1084	9710	D-335806	602557	1610320	60.43250	161.05560	2	3	1.5	0.7	1.5	> 2
1085	9711	D-335807	602646	1605952	60.44611	160.99780	10	3	3	1	3	> 2
1086	9712	D-335808	602817	1605349	60.47139	160.89690	15	2	3	0.7	10	> 2
1087	9713	D-336276	603930	1591645	60.65833	159.27920	15	5	5	0.7	3	> 2
1088	9714	D-336277	604240	1591610	60.71111	159.26940	10	3	5	0.5	5	> 2
1089	9715	D-336278	604633	1592118	60.77583	159.35500	1.5	3	3	0.5	5	> 2
1090	9716	D-336279	604852	1591305	60.81445	159.21800	7	5	7	1	3	> 2
1091	9717	D-336280	605049	1591849	60.84694	159.31360	1.5	3	3	< 0.5	3	> 2
1092	9718	D-336281	605639	1593751	60.94417	159.63080	1.5	10	3	0.7	0.7	> 2
1093	9719	D-336282	605729	1593436	60.95806	159.57670	1.5	7	3	0.5	1.5	> 2
1094	9720	D-336283	601013	1600444	60.17028	160.07890	10	7	7	0.7	2	> 2
1095	9721	D-336284	601110	1593448	60.18611	159.58000	10	2	2	0.5	10	> 2
1096	9722	D-336285	601158	1593254	60.19944	159.54830	5	3	3	< 0.5	7	1.5
1097	9723	D-336286	601540	1593118	60.26111	159.52170	1.5	3	3	0.5	3	> 2
1098	9724	D-336287	602405	1593212	60.40139	159.53670	2	10	1.5	0.7	3	2
1099	9725	D-336288	602137	1592630	60.36028	159.44170	5	10	3	0.7	3	2
1100	9726	D-336289	602153	1592547	60.36472	159.42970	10	10	5	0.7	3	2
1101	9727	D-336290	603148	1590935	60.53000	159.15970	10	2	3	0.5	7	> 2
1102	9728	D-336291	603243	1585922	60.54528	158.98940	5	10	5	0.7	1.5	> 2
1103	9729	D-336292	603755	1585756	60.63194	158.96560	10	7	3	0.5	7	2
1104	9734	D-335777	605825	1593354	60.97361	159.56500	1.5	3	0.7	< 0.5	2	> 2

Index	FieldNo	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-GA
1057	9683	N 1	N 500	N 20	2000	300	3	20	N 50	< 20	100	15	15
1058	9684	N 1	2000	N 20	150	1500	3	N 20	N 50	< 20	70	70	15
1059	9685	N 1	N 500	N 20	200	> 10000	3	N 20	N 50	30	100	150	10
1060	9686	N 1	N 500	N 20	5000	300	3	N 20	N 50	< 20	150	70	15
1061	9687	2	N 500	N 20	1000	> 10000	2	1500	N 50	70	150	150	10
1062	9688	N 1	N 500	N 20	150	300	3	N 20	N 50	30	200	30	10
1063	9689	1.5	2000	N 20	300	7000	3	N 20	N 50	70	150	150	15
1064	9690	20	N 500	50	150	700	< 2	N 20	N 50	30	300	150	15
1065	9691	1	N 500	N 20	70	2000	N 2	N 20	N 50	30	30	150	15
1066	9692	1	N 500	N 20	100	300	N 2	< 20	N 50	20	30	100	15
1067	9693	< 1	N 500	N 20	30	3000	N 2	N 20	N 50	50	< 20	150	15
1068	9694	N 1	N 500	N 20	50	3000	< 2	N 20	N 50	20	30	100	15
1069	9695	2	N 500	N 20	< 20	5000	N 2	N 20	N 50	150	50	200	15
1070	9696	N 1	N 500	N 20	50	300	3	N 20	N 50	< 20	300	20	15
1071	9697	1.5	N 500	N 20	20	> 10000	3	N 20	N 50	< 20	30	30	15
1072	9698	1	N 500	N 20	700	3000	3	N 20	N 50	50	300	150	20
1073	9699	< 1	N 500	N 20	500	1000	3	N 20	N 50	70	300	150	20
1074	9700	N 1	N 500	N 20	> 5000	200	5	N 20	N 50	30	700	30	30
1075	9701	N 1	N 500	N 20	300	700	3	N 20	N 50	30	300	70	20
1076	9702	50	N 500	700	700	200	3	N 20	N 50	30	200	70	30
1077	9703	N 1	N 500	N 20	70	7000	3	N 20	N 50	70	200	150	15
1078	9704	N 1	N 500	N 20	1000	1500	3	N 20	N 50	70	200	150	30
1079	9705	N 1	N 500	N 20	700	150	N 2	N 20	N 50	70	200	30	15
1080	9706	30	N 500	500	70	300	N 2	N 20	N 50	30	300	20	15
1081	9707	5	N 500	30	70	300	N 2	N 20	N 50	30	700	15	15
1082	9708	1.5	N 500	N 20	70	150	< 2	N 20	N 50	30	700	10	20
1083	9709	N 1	N 500	N 20	50	300	N 2	N 20	N 50	30	500	30	30
1084	9710	N 1	N 500	N 20	50	300	2	N 20	N 50	< 20	300	20	20
1085	9711	N 1	< 500	N 20	70	300	N 2	N 20	N 50	< 20	150	10	20
1086	9712	N 1	N 500	N 20	70	300	< 2	N 20	N 50	< 20	150	< 10	15
1087	9713	N 1	N 500	N 20	200	300	3	N 20	N 50	30	1500	20	15
1088	9714	3	N 500	50	200	700	3	N 20	N 50	30	1500	20	15
1089	9715	N 1	N 500	N 20	500	5000	3	N 20	N 50	30	2000	30	15
1090	9716	N 1	N 500	N 20	30	500	N 2	N 20	N 50	50	2000	10	15
1091	9717	N 1	N 500	N 20	300	> 10000	3	N 20	N 50	30	3000	100	10
1092	9718	70	1000	300	70	1500	3	< 20	N 50	50	2000	150	20
1093	9719	300	700	> 1000	200	700	3	< 20	N 50	50	2000	100	15
1094	9720	150	N 500	> 1000	100	700	N 2	N 20	N 50	70	1500	30	20
1095	9721	N 1	N 500	N 20	70	150	N 2	N 20	N 50	< 20	70	< 10	< 10
1096	9722	N 1	N 500	N 20	100	150	N 2	N 20	N 50	< 20	100	< 10	10
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1098	9724	1.5	N 500	N 20	100	700	3	N 20	N 50	70	1000	500	20
1099	9725	300	N 500	500	1500	> 10000	3	N 20	N 50	100	500	150	15
1100	9726	1.5	N 500	N 20	500	3000	3	N 20	N 50	70	300	150	15
1101	9727	N 1	700	N 20	150	150	3	< 20	N 50	< 20	100	10	15
1102	9728	2	3000	N 20	70	200	N 2	N 20	N 50	100	700	500	15
1103	9729	N 1	1500	N 20	300	500	3	N 20	N 50	70	500	150	15
1104	9734	70	5000	1000	150	3000	2	700	N 50	30	1000	200	< 10

Index	FieldNo	S-GE	S-LA	S-MN	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-TH
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1058	9684	N 20	< 100	700	N 10	50	15	N 20	N 200	30	N 20	300	N 200
1059	9685	N 20	150	2000	N 10	70	30	< 20	1000	30	N 20	700	N 200
1060	9686	< 20	N 100	1000	N 10	50	15	< 20	N 200	30	30	300	N 200
1061	9687	N 20	< 100	3000	10	< 50	100	70	N 200	20	70	700	N 200
1062	9688	N 20	< 100	1500	10	50	20	< 20	< 200	30	< 20	300	N 200
1063	9689	N 20	< 100	1500	N 10	< 50	100	100	< 200	30	N 20	300	N 200
1064	9690	N 20	< 100	1000	N 10	< 50	100	N 20	N 200	30	N 20	700	N 200
1065	9691	N 20	N 100	700	N 10	< 50	50	< 20	N 200	30	N 20	300	N 200
1066	9692	N 20	150	700	N 10	< 50	30	< 20	N 200	30	50	500	N 200
1067	9693	N 20	500	1500	< 10	< 50	70	< 20	N 200	15	N 20	1000	N 200
1068	9694	N 20	100	700	< 10	70	30	< 20	N 200	30	N 20	300	N 200
1069	9695	N 20	150	1500	N 10	< 50	200	70	N 200	15	N 20	500	N 200
1070	9696	N 20	< 100	700	N 10	70	15	20	N 200	30	N 20	300	N 200
1071	9697	N 20	150	700	30	150	< 10	150	N 200	30	N 20	300	N 200
1072	9698	N 20	100	3000	20	50	150	70	700	30	20	300	N 200
1073	9699	< 20	< 100	1000	N 10	< 50	70	70	N 200	30	< 20	1500	N 200
1074	9700	N 20	< 100	1500	20	< 50	70	< 20	N 200	30	N 20	700	N 200
1075	9701	N 20	< 100	1500	15	70	70	20	500	30	N 20	700	N 200
1076	9702	< 20	< 100	1500	N 10	< 50	30	500	N 200	30	N 20	700	N 200
1077	9703	N 20	200	5000	15	50	150	50	N 200	30	70	1500	N 200
1078	9704	N 20	< 100	1000	N 10	50	70	50	N 200	30	N 20	1500	N 200
1079	9705	N 20	500	7000	N 10	70	50	50	N 200	100	300	N 200	N 200
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1081	9707	N 20	200	3000	15	70	50	30	N 200	70	300	300	N 200
1082	9708	N 20	150	3000	N 10	< 50	50	20	N 200	100	N 20	1500	N 200
1083	9709	N 20	< 100	2000	N 10	50	50	20	N 200	70	N 20	1500	N 200
1084	9710	N 20	300	1000	N 10	70	15	70	N 200	50	20	700	N 200
1085	9711	N 20	150	1500	15	50	30	20	N 200	50	N 20	500	N 200
1086	9712	N 20	200	1500	10	70	15	70	N 200	50	20	500	N 200
1087	9713	N 20	300	3000	N 10	70	100	30	N 200	70	1000	300	N 200
1088	9714	N 20	700	3000	N 10	70	70	30	N 200	70	2000	700	N 200
1089	9715	N 20	1500	2000	N 10	70	70	70	300	70	70	1500	N 200
1090	9716	N 20	200	1500	N 10	< 50	100	< 20	N 200	50	100	700	N 200
1091	9717	N 20	300	1500	N 10	70	100	70	N 200	30	70	1500	N 200
1092	9718	N 20	300	3000	30	100	100	30	300	50	70	< 200	N 200
1093	9719	N 20	700	3000	N 10	70	70	70	N 200	70	70	300	N 200
1094	9720	N 20	150	3000	N 10	70	70	50	5000	70	N 20	500	N 200
1095	9721	N 20	700	2000	15	< 50	15	< 20	N 200	50	N 20	< 200	N 200
1096	9722	N 20	700	2000	15	< 50	50	< 20	N 200	50	30	< 200	N 200
1097	9723	N 20	1500	3000	30	50	30	< 20	N 200	70	70	< 200	N 200
1098	9724	N 20	300	2000	N 10	< 50	70	100	N 200	30	30	200	N 200
1099	9725	N 20	300	7000	15	< 50	150	100	200	50	N 20	700	N 200
1100	9726	N 20	300	10000	30	70	100	70	300	70	70	1000	N 200
1101	9727	N 20	700	3000	N 10	150	15	20	N 200	100	700	< 200	N 200
1102	9728	N 20	100	3000	15	< 50	300	30	3000	50	N 20	< 200	N 200
1103	9729	N 20	300	1500	30	< 50	150	50	N 200	50	N 20	300	N 200
1104	9734	N 20	300	1500	< 10	100	50	50	N 200	30	700	300	N 200

Index	FieldNo	S-V	S-W	S-Y	S-ZN
1057	9683	200	N 50	70	N 500
1058	9684	150	500	150	N 500
1059	9685	300	300	200	N 500
1060	9686	300	300	70	N 500
1061	9687	200	300	150	N 500
1062	9688	700	N 50	150	N 500
1063	9689	300	N 50	150	700
1064	9690	150	150	70	N 500
1065	9691	150	70	300	N 500
1066	9692	300	N 50	300	N 500
1067	9693	150	N 50	500	N 500
1068	9694	150	N 50	200	N 500
1069	9695	150	N 50	200	700
1070	9696	300	N 50	100	N 500
1071	9697	150	50	200	N 500
1072	9698	200	700	70	N 500
1073	9699	200	150	150	N 500
1074	9700	300	150	150	N 500
1075	9701	300	300	150	N 500
1076	9702	300	N 50	100	N 500
1077	9703	200	70	300	N 500
1078	9704	300	N 50	150	N 500
1079	9705	300	N 50	150	N 500
1080	9706	500	300	200	N 500
1081	9707	700	200	200	N 500
1082	9708	500	N 50	150	N 500
1083	9709	700	N 50	200	N 500
1084	9710	200	N 50	300	N 500
1085	9711	300	N 50	200	N 500
1086	9712	300	N 50	300	N 500
1087	9713	500	700	300	N 500
1088	9714	500	1000	300	N 500
1089	9715	300	N 50	300	N 500
1090	9716	300	N 50	300	N 500
1091	9717	300	N 50	300	N 500
1092	9718	300	20000	150	N 500
1093	9719	300	500	200	N 500
1094	9720	300	10000	200	N 500
1095	9721	100	70	700	N 500
1096	9722	150	70	700	N 500
1097	9723	150	150	700	N 500
1098	9724	150	N 50	300	N 500
1099	9725	300	300	200	N 500
1100	9726	200	N 50	150	N 500
1101	9727	150	7000	700	N 500
1102	9728	300	200	150	N 500
1103	9729	200	N 50	300	N 500
1104	9734	150	15000	300	1500

TABLE.2. --Lower limit of determination for semi-quantitative emission spectroscopic analysis (Grimes and Marranzino, 1968). Data are reported in weight percent for Ca, Fe, Mg, Na, P, and Ti, all others are in parts per million (micrograms per $\frac{1}{10}$ gram).

Element	Limit
Ca	0.05
Fe	0.05
Mg	0.02
Na	0.2
P	0.2
Ti	0.002
Ag	0.5
As	200
Au	10
B	10
Ba	20
Be	1
Bi	10
Cd	20
Co	10
Cr	10
Cu	5
Ga	5
Ge	10
La	50
Mn	10
Mo	5
Nb	20
Ni	5
Pb	10
Sb	100
Sc	5
Sn	10
Sr	100
Th	100
V	10
W	20
Y	10
Zn	200
Zr	10