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ANALYSES OF ROCK SAMPLES FROM THE BIG DELTA QUADRANGLE, ALASKA

By

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and
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This report is preliminary
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Geological Survey standards
and nomenclature.

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Introduction

Analytical data for approximately 1,800 rock samples from the Big Delta quadrangle, east-central Alaska, are presented in this report. The samples in table 1 were collected by H. L. Foster, F. R. Weber, T. E. C. Keith, Cynthia Dusel-Bacon, A. M. Cantelow, Barbara Purdy, and M. M. Donato from 1970 to 1977, mostly as a part of the Alaska Mineral Assessment Program (AMRAP). The samples in table 2 were collected in 1972 by Allen L. Clark and other members of his field party during a study of the ultramafic rocks in the northern part of the quadrangle. Stream sediment, panned concentrates, and vegetation were also collected from the quadrangle and analyzed, and these data are presented in a separate report (O'Leary and others, 1978).

The Big Delta quadrangle is an area of structurally complex metamorphic rocks which range from low greenschist to middle or upper amphibolite facies. The metamorphic terrane has been intruded by Mesozoic and Tertiary granitic rocks. Serpentinized ultramafic rocks and associated greenstone occur in probable thrust relationship to the other rocks. The geology of the area is included in a comprehensive report by J. B. Mertie, Jr. (1937) and reconnaissance geologic maps of the A-1, A-2, A-3, B-1, and C-4 quadrangles have been published (Weber and others,

1975, 1977; Foster and others, 1977). As a part of AMRAP, a circular and geologic, geophysical, geochemical, and Landsat maps are being published (Foster and others, 1978).

The rock samples are mostly single grab samples of many types of rocks, primarily collected to provide background information. However, some of the samples were collected because they contain visible sulfides or oxides, are altered, or occur around prospect pits. The samples in table 2 are mostly ultramafic rocks, and table 3 shows platinum group analyses of selected ultramafic rocks. Table 4 gives the available analyses for mercury. The analytical data on rock samples are intended to supplement geologic and other chemical data and have limited significance in themselves.

Preparation and methods of analyses

The rock samples are crushed to -6.35 mm using a chipmunk crusher. The crushed rock is split with a Jones splitter and ground to -150 mesh using a vertical pulverizer with ceramic plates. Analysis is by a six-step, DC-arc semiquantitative emission spectrographic method described by Grimes and Marranzino (1968), and up to 30 elements are determined. However, results for gold and cadmium are omitted because no values were found for gold and only four for cadmium. (In table 1, sample 2WR106 contained 70 ppm cadmium, sample 5FR0105 contained greater than 500 ppm cadmium, and samples 77AWr269A and 77AWr269B each contained 100 ppm cadmium.) Most samples are also analyzed for gold by atomic absorption methods developed by Ward and others (1969), and these analyses are the

last listed in table 1. The samples in table 2, in addition to the elements listed there, were also analyzed for silver, bismuth, antimony, and tungsten but, because no values were reported, these elements are not included in the table. Platinum and related elements are determined on some samples of ultramafic rock by fire assay and spectrography (table 3). Mercury is determined for a few samples by a mercury-vapor detector developed by Vaughn and McCarthy (1964) (table 4). Analysts were R. M. O'Leary, G. W. Day, E. F. Cooley, R. L. Miller, J. E. Abrams, R. R. Carlson, N. M. Conklin, G. L. Crenshaw, J. A. Criswell, T. A. Doerge, R. A. Havens, R. C. Karlson, M. J. Malcolm, J. M. McNamara, A. L. Meier, R. L. Miller, D. G. Murrey, and A. J. Toevus.

Reporting of data

Iron, magnesium, calcium, and titanium values are reported in percent; all others are reported in parts per million (ppm). Semiquantitative spectrographic analyses are reported as the approximate midpoints of geometric brackets whose boundaries are 1.2, 0.83, 0.56, 0.38, 0.26, 0.18, 0.12, etc. These midpoints are 1, 0.7, 0.5, 0.3, 0.2, 0.15, 0.1, etc. The precision of a reported value is approximately plus or minus one reporting value at 68 percent confidence or two reporting values at 95 percent confidence. Most of the samples were analyzed in the laboratories of the Branch of Exploration Research, U.S. Geological Survey, and the approximate visual lower limits of determination for those elements reported in percentage are iron, 0.05; magnesium, 0.02; calcium, 0.05; and titanium, 0.002; for those elements reported in parts per mil-

lithium, manganese, 10; silver, 0.5; arsenic, 200; gold, 10; boron, 10; barium, 20; beryllium, 1; bismuth, 10; cadmium, 20; cobalt, 5; chromium, 10; copper, 5; lanthanum, 20; molybdenum, 5; niobium, 20; nickel, 5; lead, 10; antimony, 100; scandium, 5; tin, 10; strontium, 100; tungsten, 50; vanadium, 10; yttrium, 10; zinc, 200; and zirconium, 10. Some samples collected in 1972 and 1974 were analyzed by the Branch of Analytical Laboratories, U.S. Geological Survey. For these samples, the approximate visual lower limits of determination are slightly lower than those used by the Branch of Exploration Research for the following elements reported in parts per million: barium, 10; cobalt, 3; chromium, 1; molybdenum, 3; niobium, 7; lead, 7; tin, 5; and strontium, 5. These lower values of determination are indicated in tables 1 and 2 where these elements are detected but occur in amounts below the limit of determination.

Samples in tables 1, 3, and 4 are listed by a modified field number, and latitude and longitude are given for each sample. On these tables the first number or numbers of the sample indicates the year in which it was collected; that is, sample 2FR156 was collected in 1972. On the map, because of limited space, field numbers are even more abbreviated. Where "Fr" occurs in a sample designation in the tables, it is omitted on the map. Where "Wr" is part of the designation in the tables, it is abbreviated to "W" on the map. The year of collection is commonly given on the map in two digits instead of one as in the tables.

References cited

- Foster, H. L., Albert, N. R. D., Griscom, Andrew, Hessin, T. D., Menzie, W. D., Turner, D. L., and Wilson, F. H., 1978, The Alaskan mineral resource assessment program: Background information to accompany folio of geologic and mineral resource maps of the Big Delta quadrangle, Alaska: U.S. Geol. Survey Circ. 783.
- Foster, H. L., Dusel-Bacon, Cynthia, and Weber, F. R., 1977, Reconnaissance geologic map of the Big Delta C-4 quadrangle, Alaska: U.S. Geol. Survey Open-file Rpt. 77-262.
- Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analyses of geologic materials: U.S. Geol. Survey Circ. 591, 6 p.
- Mertie, J. B., Jr., 1937, The Yukon-Tanana region, Alaska: U.S. Geol. Survey Bull. 872, 276 p.
- O'Leary, R. M., Cooley, E. F., Day, G. W., Hessin, T. D., McDougal, C. M., McDanal, Steven, and Clark, A. L., 1978, Spectrographic and chemical analyses of geochemical samples from the Big Delta quadrangle, Alaska: U.S. Geol. Survey Open-file Rept. 78-571.
- Vaughn, W. W., and McCarthy, J. H., Jr., 1964, An instrumental technique for the determination of submicrogram concentrations of mercury in soils, rocks, and gas, in Geological Survey research 1964: U.S. Geol. Survey Prof. Paper 501-D, p. D123-D127.

- Ward, F. N., Nakagawa, H. M., Harms, T. T., and Van Sickle, G. H., 1969, Atomic absorption method of analysis useful in geochemical exploration: U.S. Geol. Survey Bull. 1289, 45 p.
- Weber, F. R., Foster, H. L., and Keith, T. E. C., 1977, Reconnaissance geologic map of the Big Delta A-2 and A-3 quadrangles, Alaska: U.S. Geol. Survey Misc. Field Studies Map MF-869, scale 1:63,360.
- Weber, F. R., Foster, H. L., Keith, T. E. C., and Cantelow, A. L., 1975, Reconnaissance geologic map of the Big Delta A-1 and B-1 quadrangles, Alaska: U.S. Geol. Survey Misc. Field Studies Map MF-676, 1 sheet, scale 1:63,360.

Table 1.--Analyses of rocks from the Big Delta quadrangle, Alaska.

["S" before an element indicates analysis by emission spectrography. "AA" indicates analysis by atomic absorption (shown only for Gold). Analyses given in parts per million for all elements except Fe, Mg, Ca, and Ti, which are given in percent. Zeros to right of decimal point may or may not be significant. N, element not detected; >20,000, value greater than 20,000; <10, element detected in amount less than limit of determination (10); -- sample not analyzed for element.]

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-3A	S-BE	S-3I
OFR437A	64 57 20	144 0 0	3.00	1.50	1.50	.300	700	N	N	N	500	1.5	N
OFR437B	64 57 20	144 0 0	.30	<.02	.30	.020	150	N	N	15	50	3.0	<10
OFR438A	64 58 59	144 0 0	5.00	1.00	1.50	.300	700	N	N	<10	150	1.0	N
1WR269A	64 8 39	144 0 0	1.50	.10	.10	.070	30	N	N	15	150	1.5	N
2FR116B	64 42 29	144 40 45	15.00	3.00	3.00	>1.000	1,000	N	200	<10	30	<1.0	N
2FR117	64 41 59	144 40 40	15.00	7.00	5.00	>1.000	1,000	N	200	<10	20	<1.0	N
2FR121D	64 41 59	144 40 0	3.00	5.00	10.00	.030	1,500	N	200	N	<20	1.5	N
2FR131	64 36 55	145 23 25	10.00	>10.00	.30	.030	700	N	N	<10	<20	N	N
2FR132B	64 36 50	145 22 40	1.50	.30	.30	.020	1,000	N	N	1,500	70	15.0	N
2FR142	64 36 20	145 18 45	15.00	7.00	10.00	>1.000	1,500	N	N	<10	300	2.0	N
2FR144A	64 36 7	145 18 2	10.00	10.00	10.00	.500	1,500	N	N	<10	<20	3.0	N
2FR144B	64 36 7	145 18 2	10.00	7.00	7.00	1.000	1,000	N	N	<10	300	1.5	N
2FR160	64 33 29	145 20 39	3.00	1.00	2.00	.300	1,000	N	N	70	300	1.5	N
2FR170	64 35 8	145 15 44	1.50	.50	.07	.150	70	N	N	10	<20	N	N
2FR177	64 34 31	145 20 30	5.00	1.00	.15	.500	700	N	N	50	500	1.5	N
2FR183	64 34 54	145 10 59	1.50	.50	.15	.200	100	N	N	N	<20	<1.0	N
2FR187	64 35 14	145 9 20	3.00	.70	<.05	.150	150	N	N	20	70	<1.0	N
2FR199	64 41 30	145 5 44	5.00	10.00	.50	.007	700	N	N	30	300	N	N
2FR85C	64 33 29	145 11 59	3.00	.30	.07	.200	150	N	200	20	150	<1.0	N
2FR85D	64 33 29	145 11 59	.20	.03	<.05	.007	15	N	200	N	20	N	N
2WR100	64 41 59	145 25 45	7.00	>10.00	<.05	.020	700	N	N	<10	<20	N	N
2WR101	64 42 15	145 26 15	10.00	2.00	.07	.700	700	N	N	100	700	1.0	N
2WR103G	64 46 4	144 51 29	7.00	10.00	.30	.050	700	50.0	N	15	20	<1.0	N
2WR106A	64 44 12	145 32 25	5.00	.70	.07	.300	700	<.5	<200	20	500	1.0	N
2WR106D	64 38 26	145 50 39	15.00	.10	<.05	.150	70	N	>10,000	70	150	<1.0	N
2WR110	64 44 8	145 29 44	1.50	.70	.70	.015	200	N	1,000	15	300	2.0	N
2WR111	64 43 59	145 29 30	7.00	3.00	5.00	.700	700	N	<200	30	70	<1.0	N
2WR121D	64 43 19	145 26 20	5.00	1.50	1.50	.300	700	N	300	<10	700	1.0	15
2WR123D	64 43 0	145 26 30	10.00	3.00	7.00	.300	1,000	N	200	<10	150	<1.0	N
2WR26C	64 42 15	144 50 59	3.00	1.00	20.00	.500	1,000	N	N	30	70	<1.0	N
2WR26C	64 42 15	144 50 59	10.00	5.00	10.00	1.000	1,000	N	300	15	300	1.0	N
2WR26D	64 42 15	144 50 59	7.00	2.00	15.00	1.000	1,000	.5	N	10	300	<1.0	N
2WR61	64 33 10	145 40 0	7.00	1.00	.30	.300	500	N	N	70	500	<1.0	N
2WR64	64 33 45	145 38 59	10.00	.70	.70	.300	300	N	N	<10	700	<1.0	N
2WR70C	64 35 14	145 27 44	7.00	2.00	7.00	.700	1,000	N	N	<10	150	7.0	N
2WR71C	64 35 5	145 25 59	3.00	.70	7.00	.700	1,000	N	N	<10	700	2.0	N
4FR2268B	64 7 30	144 8 52	15.00	10.00	1.00	.020	1,000	N	N	<10	20	N	N
4FR2268C	64 7 30	144 8 52	15.00	7.00	.50	.500	700	N	N	<10	20	N	N
4FR2269A	64 7 22	144 8 53	10.00	7.00	10.00	.100	1,000	N	N	<10	20	N	N
4FR2269B	64 7 22	144 8 53	5.00	5.00	10.00	.100	1,000	N	N	<10	20	N	N
4FR2314C	64 16 8	144 17 14	10.00	2.00	7.00	.700	1,500	N	N	<10	1,000	1.0	N
4FR2322A	64 15 23	144 20 43	10.00	7.00	10.00	.500	2,000	N	N	<10	700	N	N
4FR2334D	64 9 39	144 10 27	15.00	7.00	10.00	.700	2,000	N	N	<10	700	1.0	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-D	S-Y
OFR437A	<5	<10	50	30	N	10	<5	50	N	15	10	300	150	V	20
OFR437B	N	<10	70	<20	N	<10	<5	70	V	V	N	<100	30	V	20
OFR438A	10	15	15	<20	N	<10	7	15	N	15	N	300	150	V	10
1WR269A	N	N	<5	70	N	<10	7	10	N	<5	N	150	15	V	V
2FR116B	30	15	20	30	<5	10	15	20	N	50	N	150	300	V	70
2FR117	70	700	100	70	7	15	300	30	N	30	N	300	300	N	30
2FR121D	30	15	15	300	10	15	70	70	N	15	N	1,000	70	V	100
2FR131	150	3,000	30	150	N	10	3,000	<10	N	15	N	N	150	V	V
2FR132B	N	10	7	N	N	<10	15	30	V	V	30	<100	10	V	20
2FR142	50	700	15	70	<5	30	200	15	N	30	N	700	200	N	30
2FR144A	30	3,000	20	N	<5	20	300	15	N	20	N	100	150	V	30
2FR144B	50	700	7	150	N	50	300	15	N	30	N	700	200	V	20
2FR160	15	70	7	70	N	10	50	30	N	15	N	300	70	V	30
2FR170	N	10	7	30	N	<10	10	15	N	N	N	<100	20	N	<10
2FR177	20	70	15	N	N	10	70	15	V	15	N	<100	150	V	20
2FR183	<5	30	7	<20	N	<10	15	N	N	<5	N	100	30	V	15
2FR187	N	15	10	20	N	10	10	N	N	<5	N	<100	30	V	15
2FR199	70	1,500	7	<20	N	<10	1,500	N	N	<5	N	100	50	N	N
2FR85C	N	10	50	<20	N	10	7	20	N	N	N	<100	30	V	10
2FR85D	N	10	15	N	N	N	5	N	N	N	N	<100	10	N	N
2WR100	150	1,500	15	N	N	10	1,500	N	V	10	N	N	100	V	N
2WR101	30	500	500	N	N	10	70	300	N	20	N	150	300	V	30
2WR103G	100	1,500	20	<20	N	<10	1,500	15	N	10	N	<100	70	V	V
2WR106A	70	70	30	30	N	<10	70	30	N	5	N	<100	50	V	15
2WR106D	N	15	150	<20	<5	10	7	>20,000	>10,000	10	300	<100	30	V	<10
2WR110	<5	30	15	<20	N	<10	20	150	300	N	N	500	30	V	<10
2WR111	7	700	50	150	N	10	70	100	<100	30	30	700	300	N	30
2WR121D	30	70	150	<20	N	10	30	30	V	15	<10	300	200	V	15
2WR123D	30	50	150	<20	V	10	50	70	N	30	N	700	300	V	20
2WR26C	7	100	15	N	N	10	20	15	N	10	N	700	100	N	10
2WR26C	30	200	100	70	N	10	70	15	N	30	<10	700	150	N	30
2WR26D	30	150	30	30	N	10	70	15	N	20	15	700	150	N	30
2WR61	7	100	20	100	N	10	10	15	N	15	N	<100	150	V	15
2WR64	N	70	30	N	N	10	<5	50	N	7	N	150	150	V	10
2WR70C	15	150	100	N	N	15	50	10	N	20	N	300	150	V	30
2WR71C	5	70	15	N	N	20	20	30	V	7	N	700	100	N	20
4FR2268B	200	5,000	<5	N	N	N	3,000	N	N	10	N	N	50	V	N
4FR2268C	200	1,500	20	N	N	N	1,500	N	N	30	N	N	500	V	N
4FR2269A	50	1,000	300	N	N	N	700	30	N	30	N	300	200	N	N
4FR2269B	50	700	20	N	N	N	300	10	N	20	N	200	100	V	N
4FR2314C	20	N	<5	N	N	N	10	10	N	30	N	700	500	V	30
4FR2322A	50	1,000	50	N	N	N	70	10	V	50	N	300	700	V	20
4FR2340	50	500	20	N	N	N	70	10	N	70	N	700	1,000	V	30

sample	S-ZN	S-ZR	AA-AU-P
0FR437A	N	150	<.02
0FR437B	N	50	<.02
0FR438A	N	150	<.02
1WR269A	N	30	<.02
2FR116B	N	300	N
2FR117	N	300	N
2FR121D	N	<10	N
2FR131	N	N	N
2FR132B	N	70	N
2FR142	N	300	N
2FR144A	N	100	N
2FR144B	N	150	N
2FR160	N	700	N
2FR170	N	300	N
2FR177	N	500	N
2FR183	N	300	N
2FR187	N	300	N
2FR199	N	N	N
2FR85C	N	300	N
2FR85D	N	N	N
2WR100	N	N	N
2WR101	500	70	N
2WR103G	N	<10	N
2WR106A	N	300	N
2WR106D	300	70	.60
2WR110	N	200	N
2WR111	N	100	N
2WR121D	N	70	N
2WR123D	N	70	N
2WR26C	N	70	N
2WR26C	N	200	N
2WR26D	N	150	N
2WR61	N	200	N
2WR64	N	150	N
2WR70C	N	300	N
2WR71C	N	300	N
4FR2268B	N	N	--
4FR2268C	N	20	--
4FR2269A	N	N	--
4FR2269B	N	N	--
4FR2314C	N	100	--
4FR2322A	N	70	--
4FR2340	<200	70	--

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-AJ	S-AS	S-B	S-BA	S-BE	S-SI
4FR3191	64 3 10	144 8 9	1.50	.500	1.500	.100	500	V	N	N	700	<5.0	N
4FR2265	64 8 9	144 9 39	5.00	1.000	.700	.300	200	V	N	10	1,300	3.0	N
4FR2266A	64 8 8	144 9 15	.70	.200	.500	.070	200	N	N	N	300	N	N
4FR2268A	64 7 30	144 8 52	7.00	5.000	1.000	.300	1,000	V	N	N	700	N	N
4FR2270	64 7 6	144 9 16	.50	N	.030	.015	100	N	N	20	500	N	N
4FR2272	64 4 9	144 28 5	2.00	.500	.500	.200	200	V	N	10	300	N	V
4FR2274A	64 9 32	145 9 34	7.00	2.000	5.000	1.000	700	V	N	N	1,500	N	V
4FR2274B	64 9 32	145 9 34	7.00	.200	2.000	.300	700	V	N	N	3,000	5.0	V
4FR2275	64 9 33	145 10 41	7.00	7.000	7.000	1.000	1,000	V	N	N	2,000	N	N
4FR2275B	64 9 33	145 10 41	7.00	2.000	5.000	>1.000	700	V	N	N	3,000	N	V
4FR2278	64 9 47	145 11 49	7.00	.700	7.000	.500	1,000	N	N	N	3,000	3.0	V
4FR2279A	64 4 54	145 10 19	5.00	1.000	1.500	.300	500	V	N	N	700	N	V
4FR2279B	64 4 54	145 10 19	5.00	1.000	5.000	.500	700	N	N	N	300	N	N
4FR2279C	64 4 54	145 10 19	5.00	.700	3.000	1.000	200	V	N	N	5,000	N	V
4FR2280A	64 5 49	145 9 38	.70	.150	.700	.050	500	V	N	10	200	N	V
4FR2283	64 5 14	145 10 17	1.50	.100	.700	.100	300	V	N	N	200	7.0	V
4FR2284A	64 4 55	145 10 2	7.00	1.500	2.000	.500	500	N	N	1,000	1,500	<5.0	N
4FR2284D	64 4 55	145 10 2	7.00	3.000	7.000	.300	2,000	V	N	N	150	<5.0	N
4FR2285A	64 4 35	144 29 35	2.00	.700	1.000	.300	700	V	N	N	200	N	V
4FR2288A	64 4 35	144 32 3	1.50	.500	.200	.200	200	V	N	N	200	N	V
4FR2289	64 4 27	144 33 51	1.50	.500	.700	.100	300	V	N	N	1,000	N	N
4FR2290	64 4 9	144 36 28	1.00	.200	.100	.100	300	N	N	N	100	N	V
4FR2291	64 4 4	144 38 35	1.00	.500	.500	.150	700	N	N	10	150	N	V
4FR2292	64 3 42	144 40 40	1.50	.200	1.000	.300	500	V	N	N	70	N	V
4FR2294A	64 17 52	144 52 30	.50	N	.500	.030	50	V	N	10	150	N	V
4FR2295A	64 17 59	144 52 5	7.00	5.000	7.000	.300	700	V	N	N	150	N	V
4FR2295B	64 17 59	144 52 5	7.00	5.000	7.000	.150	700	V	N	N	150	N	N
4FR2296A	64 18 16	144 51 42	2.00	.500	.700	.300	200	V	N	N	1,500	N	V
4FR2296B	64 18 16	144 51 42	2.00	1.000	.700	.300	1,500	N	N	N	150	N	N
4FR2297A	64 18 16	144 51 29	3.00	.700	.700	.300	700	V	N	N	300	N	N
4FR2297B	64 18 16	144 51 29	5.00	1.000	.500	.300	500	N	N	10	700	3.0	V
4FR2298	64 18 16	144 51 5	3.00	1.000	1.000	.300	300	V	N	30	1,500	N	V
4FR2300	64 18 26	144 47 49	3.00	.700	.700	.300	300	V	N	N	1,000	N	N
4FR2302	64 18 7	144 44 49	3.00	1.000	.700	.500	300	V	N	N	1,000	N	V
4FR2304	64 18 55	144 43 56	3.00	1.000	.300	.300	500	V	N	N	700	3.0	V
4FR2305	64 19 13	144 43 0	7.00	1.000	7.000	.300	500	V	N	N	150	N	V
4FR2306	64 19 17	144 42 44	5.00	1.500	3.000	.300	700	N	N	N	1,000	3.0	V
4FR2307	64 18 15	144 16 50	5.00	1.000	2.000	.500	500	V	N	N	700	N	V
4FR2308A	64 17 44	144 26 52	1.00	.200	1.000	.100	200	V	N	N	500	N	V
4FR2308B	64 17 44	144 26 52	3.00	1.000	3.000	.500	500	V	N	N	1,000	N	V
4FR2309	64 17 25	144 16 47	2.00	.700	.070	.300	200	N	N	20	700	N	N
4FR2310	64 16 54	144 16 50	2.00	1.000	5.000	.300	300	V	N	N	1,000	N	V
4FR2311A	64 16 36	144 16 50	1.50	N	.100	.200	200	N	N	20	150	N	V
4FR2311B	64 16 36	144 16 50	2.00	N	.050	.200	50	V	N	70	500	N	V
4FR2312	64 16 35	144 16 54	3.00	.500	1.500	.300	300	V	N	10	1,000	3.0	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S9	3-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
4FR3191	N	1.5	<.50	30	N	N	N	20	N	7	N	200	15	N	20	V
4FR2265	7	100.0	20.00	70	N	20	30	30	N	20	10	200	150	N	50	V
4FR2266A	N	1.0	N	N	N	10	N	10	N	5	N	50	5	N	10	N
4FR2268A	30	700.0	N	N	N	20	700	15	N	30	10	200	150	N	N	V
4FR2270	N	5.0	10.00	N	N	10	3	20	N	V	N	50	N	N	30	N
4FR2272	7	30.0	10.00	N	N	10	10	10	N	5	N	70	30	N	10	N
4FR2274A	20	10.0	10.00	50	N	20	5	10	N	20	N	700	150	N	30	N
4FR2274B	5	N	5.00	70	N	30	N	20	N	5	N	500	N	N	50	V
4FR2275	30	300.0	50.00	20	N	N	100	N	N	30	N	500	300	N	30	V
4FR2275B	15	1.0	10.00	70	N	20	N	10	N	30	N	700	100	N	30	V
4FR2278	10	3.0	7.00	50	N	10	N	15	N	10	N	3,000	150	N	30	N
4FR2279A	10	70.0	30.00	N	N	10	30	10	N	15	N	200	100	N	15	N
4FR2279B	20	100.0	100.00	30	N	10	70	15	N	15	N	500	150	N	15	V
4FR2279C	10	30.0	20.00	300	N	10	10	20	N	15	N	700	100	N	30	V
4FR2280A	N	7.0	5.00	N	N	N	5	N	N	5	N	70	10	N	50	N
4FR2283	N	1.5	1.50	50	N	30	N	30	N	V	10	70	N	V	30	V
4FR2284A	15	150.0	7.00	100	N	15	70	30	N	30	N	300	200	N	50	N
4FR2284D	15	70.0	20.00	50	N	7	50	15	N	15	N	300	100	N	30	V
4FR2285A	7	30.0	2.00	N	N	10	30	10	N	7	N	100	30	N	10	N
4FR2288A	N	30.0	15.00	N	N	N	5	10	N	V	N	70	10	N	10	V
4FR2289	5	15.0	5.00	N	N	N	10	N	N	V	N	70	10	N	10	V
4FR2290	5	15.0	2.00	N	N	N	5	N	N	V	N	30	7	N	10	V
4FR2291	5	30.0	2.00	N	N	N	10	10	N	5	N	70	7	N	10	M
4FR2292	5	30.0	5.00	N	N	10	5	10	N	7	N	70	10	N	10	V
4FR2294A	N	N	2.00	N	N	N	N	N	N	N	7	100	7	N	15	V
4FR2295A	20	70.0	15.00	N	N	N	10	N	N	30	N	200	200	N	10	V
4FR2295B	20	100.0	15.00	N	N	N	15	N	N	30	20	200	300	N	10	N
4FR2296A	5	20.0	7.00	50	N	10	5	30	N	10	N	150	50	N	30	V
4FR2296B	150	30.0	10.00	30	N	10	200	20	N	7	N	200	50	N	20	V
4FR2297A	7	50.0	15.00	30	N	10	15	20	N	10	N	200	70	N	20	V
4FR2297B	15	70.0	1.50	50	N	10	30	20	N	15	N	300	70	N	30	N
4FR2298	7	50.0	10.00	50	N	10	15	20	N	15	N	300	100	N	20	V
4FR2300	7	20.0	7.00	30	N	15	5	20	N	10	N	150	70	N	20	V
4FR2302	7	30.0	15.00	30	N	15	7	10	N	10	N	150	70	N	20	V
4FR2304	10	70.0	30.00	30	N	10	20	15	N	15	N	150	100	N	30	V
4FR2305	20	70.0	10.00	50	N	10	30	15	N	15	N	2,000	150	N	20	V
4FR2306	15	70.0	1.00	30	N	15	50	20	N	15	N	150	150	N	20	V
4FR2307	7	30.0	10.00	70	N	20	5	10	N	15	N	150	70	N	30	V
4FR2308A	N	7.0	1.00	N	N	N	N	20	N	5	N	150	10	N	30	V
4FR2308B	5	5.0	2.00	30	N	10	N	15	N	10	N	300	100	N	20	V
4FR2309	5	5.0	7.00	50	N	10	N	15	N	10	N	150	70	N	20	V
4FR2310	7	5.0	10.00	N	N	N	N	10	N	15	N	300	150	N	20	V
4FR2311A	N	2.0	7.00	50	N	15	N	30	N	5	N	200	30	N	10	N
4FR2311B	N	1.0	2.00	50	N	10	N	30	N	5	N	150	30	N	10	V
4FR2312	5	5.0	2.00	30	N	10	N	15	N	10	N	500	100	N	30	V

sample	S-ZR	AA-AU-P
4FR3191	100	N
4FR2265	150	N
4FR2266A	30	N
4FR2268A	50	N
4FR2270	50	N
4FR2272	150	N
4FR2274A	150	N
4FR2274B	300	N
4FR2275	30	N
4FR2275B	30	N
4FR2278	100	N
4FR2279A	150	N
4FR2279B	100	N
4FR2279C	300	N
4FR2280A	150	N
4FR2283	200	N
4FR2284A	150	N
4FR2284D	200	N
4FR2285A	150	N
4FR2288A	150	N
4FR2289	100	N
4FR2290	100	N
4FR2291	150	N
4FR2292	150	N
4FR2294A	50	N
4FR2295A	15	N
4FR2295B	20	N
4FR2296A	300	N
4FR2296B	150	N
4FR2297A	300	N
4FR2297B	150	N
4FR2298	100	N
4FR2300	150	N
4FR2302	100	N
4FR2304	150	N
4FR2305	150	N
4FR2306	150	N
4FR2307	200	N
4FR2308A	100	N
4FR2308B	100	N
4FR2309	100	N
4FR2310	100	N
4FR2311A	150	N
4FR2311B	100	N
4FR2312	100	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AS	S-AS	S-B	S-BA	S-BE	S-SI
4FR2313	64 16 9	144 16 50	2.00	.700	2.000	.300	500	N	N	N	7.00	N	N
4FR2314A	64 16 8	144 17 14	2.00	.500	1.000	.200	200	N	N	N	2.000	N	N
4FR2314B	64 16 8	144 17 14	3.00	.700	1.500	.200	700	N	N	20	1.000	N	N
4FR2315A	64 15 57	144 17 52	3.00	.700	1.500	.300	300	N	N	10	7.00	3.0	N
4FR2315B	64 15 57	144 17 52	5.00	1.500	3.000	.500	500	N	N	15	1.000	N	N
4FR2316	64 15 39	144 18 34	5.00	1.500	3.000	.500	1,000	N	N	N	7.00	N	N
4FR2317	64 15 47	144 18 56	2.00	5.000	.100	.300	700	N	N	10	150	N	N
4FR2318	64 15 39	144 19 0	5.00	N	5.000	.300	700	N	N	N	7.00	3.0	N
4FR2319	64 15 24	144 19 13	3.00	3.000	1.500	.300	300	N	N	10	3.000	N	N
4FR2320	64 15 24	144 19 14	7.00	.700	10.000	1.000	700	N	N	10	2.00	3.0	N
4FR2321	64 15 20	144 20 8	7.00	.700	7.000	.500	1,000	N	N	N	7.00	N	N
4FR2322B	64 15 23	144 20 43	5.00	7.000	2.000	.500	1,000	N	N	15	2.000	N	N
4FR2322C	64 15 23	144 20 43	3.00	1.500	1.500	.500	500	N	N	N	7.00	2.0	N
4FR2323	64 18 11	144 28 9	2.00	.700	1.500	.070	500	N	N	N	1.000	2.0	N
4FR2324	64 18 23	144 27 24	3.00	.150	1.500	.300	300	N	N	N	1.000	2.0	N
4FR2325A	64 18 39	144 26 17	3.00	.500	1.500	.300	500	N	N	N	2.000	N	N
4FR2325B	64 18 39	144 26 17	5.00	.700	1.500	.500	500	N	N	200	7.00	N	N
4FR2326	64 18 42	144 25 40	3.00	1.000	1.500	.500	500	N	N	1,000	1.500	N	N
4FR2327	64 18 56	144 25 5	7.00	.700	3.000	.500	700	N	N	N	7.00	3.0	N
4FR2329	64 19 35	144 23 17	5.00	1.500	2.000	.300	700	N	N	N	7.00	3.0	N
4FR2330	64 19 51	144 22 14	1.00	3.000	.030	.200	20	N	N	20	1.500	N	N
4FR2331A	64 19 53	144 21 34	1.00	N	1.500	.100	200	N	N	N	1.500	3.0	N
4FR2331B	64 19 53	144 21 34	3.00	.500	.700	.300	700	N	N	20	1.000	N	N
4FR2332	64 19 45	144 20 43	2.00	.200	1.000	.300	500	N	N	N	2.000	N	N
4FR2334	64 20 12	144 19 50	5.00	.500	5.000	.300	700	N	N	N	7.00	N	N
4FR2335	64 20 54	144 19 45	2.00	5.000	1.000	.200	300	N	N	10	7.00	3.0	N
4FR2338	64 8 44	144 10 9	1.00	.500	1.500	.070	300	N	N	N	1.500	3.0	N
4FR2339	64 8 59	144 10 18	1.00	.200	2.000	.070	200	N	N	N	1.000	3.0	N
4FR2342A	64 9 34	144 12 51	5.00	.200	.500	.300	500	N	N	15	1.000	N	N
4FR2342B	64 9 34	144 12 51	.50	1.000	.500	.050	100	N	N	10	5.00	N	N
4FR2344A	64 9 29	144 14 38	.50	.200	.020	.005	30	N	N	20	1.500	3.0	N
4FR2344B	64 9 29	144 14 38	.50	.200	.200	.007	1,000	N	N	20	1.00	3.0	N
4FR2345	64 9 55	144 15 24	3.00	N	1.500	.500	500	N	N	N	1.000	N	N
4FR2346A	64 9 24	144 16 0	7.00	1.000	.300	.500	200	N	N	15	1.500	5.0	N
4FR2346C	64 9 24	144 16 0	7.00	.500	.500	.500	700	N	N	N	2.000	3.0	N
4FR2347A	64 9 17	144 16 19	7.00	2.000	.300	.500	500	N	N	N	1.500	3.0	N
4FR2348A	64 9 14	144 16 24	.50	2.000	.200	.010	150	N	N	500	150	3.0	N
4FR2348B	64 9 14	144 16 24	7.00	N	5.000	.500	700	N	N	N	1.500	N	N
4FR2350A	64 9 11	144 16 49	1.00	5.000	.500	.100	100	N	N	10	3.00	N	N
4FR2350B	64 9 11	144 16 49	5.00	.200	10.000	.200	700	N	N	N	70	N	N
4FR2350C	64 9 11	144 16 49	3.00	5.000	10.000	.150	300	N	N	N	70	N	N
4FR2352A	64 1 51	144 15 37	1.00	.300	1.500	.150	300	N	N	N	1.000	<5.0	N
4FR2352B	64 1 51	144 15 37	.30	.050	.150	.020	100	N	N	10	70	<5.0	N
4FR2354	64 1 38	144 18 10	7.00	7.000	7.000	.700	700	N	N	N	100	100	N
4FR2356	64 1 11	144 20 44	.50	.150	.500	.030	150	N	N	N	7.00	5.0	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
4FR2313	5	2.0	10.00	N	N	10	3	10	N	10	N	200	70	N	20	N
4FR2314A	7	30.0	5.00	70	N	10	5	50	N	10	N	200	50	N	30	N
4FR2314B	7	7.0	1.00	N	N	10	N	20	N	10	N	300	70	N	20	N
4FR2315A	7	30.0	5.00	50	N	20	5	10	N	15	N	150	50	N	30	N
4FR2315B	10	70.0	10.00	30	N	N	20	10	N	15	7	500	150	N	20	N
4FR2316	20	300.0	20.00	N	N	10	100	70	N	20	N	300	150	N	20	N
4FR2317	5	20.0	7.00	50	N	10	5	50	N	7	N	70	30	N	15	N
4FR2318	15	150.0	20.00	N	N	10	50	10	N	20	N	500	150	N	20	N
4FR2319	5	30.0	5.00	N	N	10	5	50	N	10	N	200	70	N	15	N
4FR2320	7	70.0	20.00	150	N	20	20	50	N	30	10	3,000	300	N	100	N
4FR2321	30	700.0	50.00	N	N	N	100	10	N	30	N	300	200	N	20	N
4FR2322B	10	70.0	5.00	N	N	10	15	10	N	15	N	300	100	N	20	N
4FR2322C	7	30.0	7.00	50	N	10	5	15	N	15	N	70	70	N	30	N
4FR2323	N	1.0	2.00	50	N	10	N	20	N	5	N	200	10	N	20	N
4FR2324	7	30.0	1.00	30	N	10	5	20	N	10	N	150	50	N	50	N
4FR2325A	7	30.0	7.00	50	N	10	7	30	N	15	N	200	70	N	20	N
4FR2325B	10	30.0	2.00	50	N	15	20	20	N	15	N	150	70	N	30	N
4FR2326	7	30.0	7.00	N	N	15	5	15	N	15	N	150	70	N	10	N
4FR2327	10	2.0	7.00	50	N	10	5	20	N	20	7	500	150	N	30	N
4FR2329	15	150.0	5.00	50	N	10	50	20	N	15	N	500	150	N	20	N
4FR2330	N	N	7.00	70	N	15	N	30	N	5	N	50	20	N	30	N
4FR2331A	5	7.0	10.00	N	N	N	5	30	N	5	N	150	20	N	10	N
4FR2331B	7	30.0	10.00	50	N	10	5	20	N	10	N	300	10	N	30	N
4FR2332	7	30.0	5.00	30	N	10	5	30	N	10	N	200	50	N	20	N
4FR2334	20	200.0	7.00	N	N	10	70	10	N	20	N	500	200	N	20	N
4FR2335	5	20.0	5.00	N	N	15	5	20	N	10	10	100	50	N	20	N
4FR2338	N	1.0	5.00	N	N	N	N	30	N	5	N	300	10	N	50	N
4FR2339	N	2.0	N	30	N	10	N	20	N	5	N	300	10	N	10	N
4FR2342A	10	70.0	10.00	50	N	15	20	20	N	15	N	150	100	N	20	N
4FR2342B	N	2.0	1.00	N	N	N	N	50	N	5	7	100	10	N	10	N
4FR2344A	N	N	N	N	N	N	N	50	N	N	7	100	5	N	N	N
4FR2344B	N	N	N	N	N	20	N	20	N	5	10	50	N	N	N	N
4FR2345	10	30.0	5.00	50	N	20	10	N	N	20	N	150	70	N	30	N
4FR2346A	10	50.0	1.00	50	N	20	20	15	N	30	10	70	150	N	70	N
4FR2346C	30	150.0	1.00	70	N	20	70	20	N	20	N	1,000	150	N	30	N
4FR2347A	15	150.0	10.00	150	N	20	50	10	N	20	N	100	150	N	50	N
4FR2348A	N	5.0	N	N	N	N	N	50	N	N	N	70	N	N	N	N
4FR2348B	20	150.0	50.00	N	N	N	100	N	N	30	N	500	200	N	20	N
4FR2350A	5	20.0	5.00	N	N	N	5	20	N	N	N	100	20	N	15	N
4FR2350B	30	200.0	50.00	N	N	N	100	N	N	70	N	500	200	N	10	N
4FR2350C	20	500.0	70.00	N	N	N	70	N	N	30	N	500	150	N	N	N
4FR2352A	N	1.0	N	N	N	5	N	20	N	7	N	200	15	N	30	N
4FR2352B	N	1.0	.50	N	N	10	N	15	N	5	10	30	N	N	15	N
4FR2354	30	200.0	10.00	N	N	N	20	N	N	30	N	200	300	N	20	N
4FR2356	N	N	.50	N	N	N	N	30	N	N	N	150	N	N	30	N

sample	S-ZR	AA-AU-P
4FR2313	100	N
4FR2314	100	N
4FR2314B	100	N
4FR2315A	300	N
4FR2315B	150	N
4FR2316	70	N
4FR2317	150	N
4FR2318	100	N
4FR2319	100	N
4FR2320	300	N
4FR2321	70	N
4FR2322B	100	N
4FR2322C	150	N
4FR2323	100	N
4FR2324	200	N
4FR2325A	150	N
4FR2325B	100	N
4FR2326	200	N
4FR2327	150	N
4FR2329	100	N
4FR2330	200	N
4FR2331A	50	N
4FR2331B	100	N
4FR2332	70	N
4FR2334	70	N
4FR2335	100	N
4FR2338	70	N
4FR2339	70	N
4FR2342A	70	N
4FR2342B	50	N
4FR2344A	20	N
4FR2344B	10	N
4FR2345	200	N
4FR2346A	50	N
4FR2346C	150	N
4FR2347A	100	N
4FR2348A	30	N
4FR2348B	100	N
4FR2350A	100	N
4FR2350B	N	N
4FR2350C	20	N
4FR2352A	70	N
4FR2352B	20	N
4FR2354	70	N
4FR2356	50	N

sample	LATITUDE	LONGITUD	S-FEX	S-MG%	S-CA%	S-TIX	S-MN	S-A3	S-AS	S-B	S-3A	S-BE	S-BI
4FR2361	64 2 12	144 32 14	2.00	1.000	.500	.200	500	V	N	N	500	N	N
4FR2362	64 1 58	144 31 49	.50	.050	.300	.030	100	V	N	N	1,500	N	V
4FR2364	64 1 5	144 30 44	1.50	.200	.200	.150	300	N	N	N	70	N	V
4FR2368	64 0 44	144 27 24	1.00	.300	.300	.150	150	V	N	N	100	N	V
4FR2369A	64 24 7	144 25 35	7.00	5.000	7.000	1.000	1,000	V	N	N	100	N	N
4FR2369B	64 24 7	144 25 35	3.00	1.500	3.000	.300	500	N	N	15	700	<5.0	V
4FR2369C	64 24 7	144 25 35	2.00	.700	2.000	.200	500	V	N	N	100	<5.0	N
4FR2370	64 24 15	144 25 35	3.00	1.500	2.000	.300	200	V	N	N	1,000	<5.0	V
4FR2371	64 24 17	144 25 0	5.00	1.500	1.500	.300	500	N	N	N	500	<5.0	N
4FR2372	64 24 21	144 24 42	1.50	.200	1.500	.150	150	V	N	30	150	5.0	V
4FR2373A	64 24 38	144 23 57	7.00	2.000	.200	.500	500	V	N	10	700	N	V
4FR2373B	64 24 38	144 23 57	3.00	1.500	.030	.300	300	N	N	N	500	N	V
4FR2373C	64 24 38	144 23 57	3.00	1.000	.200	.300	150	N	N	N	300	N	N
4FR2374	64 24 51	144 22 30	2.00	1.000	.100	.150	150	N	N	20	300	N	V
4FR2376	64 25 0	144 21 39	5.00	1.500	.015	.300	300	N	N	15	700	N	V
4FR2378	64 26 35	144 19 19	5.00	1.500	7.000	.300	700	V	N	N	150	N	V
4FR2380A	64 27 20	144 17 49	3.00	2.000	5.000	.300	700	N	N	N	500	<5.0	N
4FR2380B	64 27 20	144 17 49	3.00	1.500	3.000	.300	500	V	N	N	500	<5.0	V
4FR2381	64 28 8	144 18 2	3.00	.500	2.000	.300	700	V	N	N	300	<5.0	V
4FR2382	64 28 14	144 18 2	3.00	1.500	1.500	.300	500	V	N	N	1,000	<5.0	V
4FR2383	64 3 5	145 11 43	7.00	1.500	.500	.500	700	V	N	N	700	N	N
4FR2384	64 3 2	145 11 39	7.00	2.000	5.000	1.000	700	V	N	N	700	<5.0	N
4FR2396	64 11 30	145 20 20	1.00	.200	2.000	.100	500	V	N	N	2,000	5.0	V
4FR2405	64 13 27	144 22 18	2.00	1.000	2.000	.200	500	V	N	N	1,000	<5.0	V
4FR2406A	64 13 19	144 22 32	1.00	.100	.100	.070	30	1.0	N	15	2,000	<5.0	N
4FR2418	64 13 0	144 33 45	10.00	5.000	7.000	>1.000	1,000	N	N	N	70	N	V
4FR2435	64 8 44	144 55 56	7.00	3.000	10.000	1.000	1,000	N	N	N	70	N	N
4FR2436	64 8 44	144 55 40	1.50	.500	.150	.200	100	V	N	10	500	N	V
4FR2437	64 8 52	144 55 0	5.00	.300	.015	.200	30	<.5	N	N	700	N	7
4FR2438A	64 8 58	144 54 50	1.00	.010	.015	.003	150	V	N	N	15	N	N
4FR2438B	64 8 58	144 54 50	15.00	.100	.020	.100	150	.5	N	N	150	N	30
4FR2442	64 10 19	144 51 24	7.00	5.000	10.000	>1.000	700	.5	N	N	100	N	V
4FR2450	64 26 20	144 26 58	3.00	1.500	.700	.200	700	.5	N	N	300	N	N
4FR2456A	64 23 43	144 24 47	5.00	2.000	.700	.500	500	.5	N	N	700	N	V
4FR2456B	64 23 43	144 24 47	7.00	3.000	7.000	.500	1,000	.5	N	N	300	N	V
4FR2461	64 23 57	144 22 47	7.00	5.000	7.000	.500	1,000	.5	N	N	200	N	V
4FR2462	64 24 10	144 22 30	.50	.100	.500	.030	150	<.5	N	10	10	N	N
4FR2463	64 24 7	144 21 47	5.00	1.500	.050	.500	300	V	N	50	1,000	<5.0	N
4FR2469	64 8 48	144 52 9	.70	.200	.700	.100	500	V	N	N	100	N	V
4FR2471A	64 9 21	144 50 41	7.00	7.000	5.000	.150	700	V	N	N	300	N	V
4FR2472B	64 11 17	144 43 53	5.00	1.500	1.500	.500	700	V	N	20	700	<5.0	N
4FR2473A	64 11 35	144 39 39	1.50	.500	1.500	.100	500	V	N	N	700	5.0	V
4FR2476	64 8 14	145 6 10	7.00	1.500	5.000	1.000	1,000	V	N	N	1,000	<5.0	V
4FR2478	64 7 59	145 5 25	5.00	1.000	3.000	.700	700	V	N	N	1,000	<5.0	V
4FR2484	64 7 23	145 4 4	3.00	1.000	.200	.300	500	V	N	20	500	<5.0	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-SV	S-W	S-Y	S-ZN
4FR2361	3	30.0	15.00	N	N	10	7	15	N	7	N	100	50	V	15	N
4FR2362	N	N	N	N	N	20	N	20	N	<5	N	100	N	V	N	V
4FR2364	N	150.0	7.00	N	N	N	5	N	N	<5	N	30	20	N	10	N
4FR2368	3	150.0	1.50	N	N	N	10	N	N	5	N	100	15	N	10	N
4FR2369A	20	200.0	15.00	N	N	7	70	N	N	50	N	200	300	V	50	V
4FR2369B	10	50.0	150.00	50	N	7	30	N	N	15	7	150	100	N	30	V
4FR2369C	7	30.0	10.00	50	N	7	15	N	N	7	7	200	50	N	15	N
4FR2370	3	50.0	10.00	150	3	10	5	20	N	15	N	300	70	N	50	V
4FR2371	15	100.0	30.00	50	N	10	50	10	N	15	N	200	100	N	20	N
4FR2372	N	2.0	1.50	30	N	15	N	7	N	7	N	100	15	N	7	V
4FR2373A	20	150.0	5.00	150	N	15	30	N	N	20	N	70	150	N	30	N
4FR2373B	10	30.0	7.00	100	N	10	20	15	N	15	N	50	50	N	20	V
4FR2373C	7	30.0	30.00	70	N	7	15	15	N	15	N	150	70	V	15	V
4FR2374	7	3.0	15.00	30	N	N	15	7	N	10	N	70	70	N	10	V
4FR2376	7	100.0	50.00	20	N	10	10	10	N	20	N	50	150	N	10	N
4FR2378	15	70.0	20.00	20	N	7	10	N	N	30	N	300	150	V	30	V
4FR2380A	10	7.0	15.00	N	N	N	7	15	N	15	N	300	150	N	30	V
4FR2380B	7	7.0	3.00	20	3	7	7	10	N	15	N	300	100	N	30	V
4FR2381	5	7.0	2.00	70	3	30	<5	10	N	15	N	150	30	N	50	N
4FR2382	7	10.0	2.00	30	N	7	5	7	N	15	N	200	100	N	20	V
4FR2383	10	100.0	50.00	70	3	15	15	15	N	30	N	150	150	N	50	N
4FR2384	15	15.0	10.00	50	N	10	<5	7	N	20	N	300	100	N	50	V
4FR2396	N	5.0	.50	30	N	10	N	10	N	7	7	200	15	N	30	N
4FR2405	3	20.0	7.00	20	N	7	<5	7	N	10	7	200	100	N	30	V
4FR2406A	N	.5	10.00	50	N	7	<5	70	N	V	N	100	10	V	15	V
4FR2418	50	100.0	30.00	N	N	N	50	N	N	50	N	150	500	N	50	V
4FR2435	30	200.0	100.00	N	N	7	70	20	N	30	N	500	200	N	30	N
4FR2436	2	30.0	1.50	N	N	N	10	N	N	7	N	30	30	N	7	V
4FR2437	N	50.0	70.00	30	3	7	7	7	N	15	7	50	70	100	30	N
4FR2438A	5	.5	70.00	N	N	N	10	N	N	V	N	N	N	N	N	V
4FR2438B	7	15.0	1,000.00	N	N	7	15	N	N	N	N	10	15	300	N	V
4FR2442	30	200.0	200.00	50	N	30	150	7	N	50	N	300	300	N	30	V
4FR2450	10	70.0	30.00	50	N	N	30	10	N	15	N	50	70	N	20	N
4FR2456A	7	100.0	100.00	150	N	15	15	7	N	20	N	100	150	N	70	V
4FR2456B	20	70.0	15.00	N	N	N	10	N	N	30	N	200	300	N	30	N
4FR2461	20	150.0	50.00	N	N	N	30	N	N	30	N	200	200	N	15	V
4FR2462	N	1.0	2.00	N	N	15	N	20	N	5	10	10	7	N	15	V
4FR2463	7	150.0	20.00	70	N	7	15	7	N	20	N	150	150	N	30	V
4FR2469	2	15.0	2.00	N	N	N	7	7	N	V	N	70	15	N	N	N
4FR2471A	30	700.0	50.00	N	N	N	70	N	N	30	N	200	200	N	15	V
4FR2472B	10	70.0	7.00	70	N	15	20	15	N	15	N	200	100	N	30	V
4FR2473A	3	15.0	10.00	100	N	10	<5	7	N	20	N	150	50	N	150	V
4FR2476	15	10.0	15.00	30	N	10	<5	10	N	30	N	500	150	N	50	V
4FR2478	7	7.0	5.00	20	N	10	<5	15	N	20	N	300	70	N	50	V
4FR2484	5	70.0	15.00	30	N	7	7	15	N	15	N	100	100	N	10	V

AA-AU-P

S-ZR

sample

4FR2361	200	N
4FR2362	70	N
4FR2364	200	N
4FR2368	150	N
4FR2369A	70	N
4FR2369B	150	N
4FR2369C	100	N
4FR2370	150	N
4FR2371	100	N
4FR2372	150	N
4FR2373A	150	N
4FR2373B	150	N
4FR2373C	200	N
4FR2374	150	N
4FR2376	150	N
4FR2378	100	N
4FR2380A	150	N
4FR2380B	100	N
4FR2381	300	N
4FR2382	200	N
4FR2383	150	N
4FR2384	200	N
4FR2396	150	N
4FR2405	150	N
4FR2406A	70	N
4FR2418	70	N
4FR2435	100	N
4FR2436	300	N
4FR2437	70	N
4FR2438A	10	N
4FR2438B	70	.40
4FR2442	300	N
4FR2450	200	N
4FR2456A	150	N
4FR2456B	50	N
4FR2461	30	N
4FR2462	50	N
4FR2463	150	N
4FR2469	200	N
4FR2471A	30	N
4FR2472B	150	N
4FR2473A	150	N
4FR2476	300	N
4FR2478	300	N
4FR2484	200	N

sample	LATITUDE	LONGITUD	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-AJ	S-AS	S-B	S-BA	S-BE	S-BI
4FR2487B	64 7 35	145 3 20	.70	.100	.500	.070	200	V	N	10	500	<5.0	N
4FR2493A	64 15 15	145 23 30	3.00	.700	1.500	.300	500	V	N	7	700	<5.0	N
4FR2496	64 14 21	145 23 30	7.00	2.000	5.000	.500	1,000	V	N	10	700	N	N
4FR2498B	64 13 37	145 4 17	.50	.100	1.500	.100	200	V	N	10	700	7.0	V
4FR2499	64 13 32	145 4 47	.30	.070	1.500	.020	70	V	N	10	700	<5.0	V
4FR2502B	64 13 14	145 4 59	.30	.200	1.500	.015	200	V	N	10	100	<5.0	V
4FR2509A	64 15 20	144 40 45	7.00	3.000	7.000	1.000	1,000	N	N	N	150	N	N
4FR2510A	64 15 8	144 40 29	3.00	2.000	.700	.200	300	V	N	N	1,500	<5.0	V
4FR2518B	64 13 32	144 41 7	7.00	1.500	.150	.200	1,500	V	N	7	700	N	N
4FR3001	64 15 10	144 51 29	3.00	2.000	3.000	.300	700	V	N	N	1,500	<5.0	V
4FR3007	64 7 54	144 22 19	7.00	5.000	7.000	.500	700	N	N	N	500	<5.0	N
4FR3011	64 9 3	145 9 5	1.00	.300	1.000	.150	200	V	N	N	300	<5.0	V
4FR3012	64 8 48	145 9 39	10.00	7.000	15.000	.700	700	V	N	N	20	N	N
4FR3013	64 8 44	145 9 55	3.00	.700	3.000	.150	700	V	N	N	2,000	<5.0	V
4FR3014B	64 8 39	145 10 14	7.00	.700	3.000	.700	700	N	N	N	2,000	<5.0	N
4FR3015	64 8 39	145 10 24	7.00	2.000	1.500	.700	700	V	N	N	1,500	<5.0	V
4FR3016	64 8 22	145 11 4	2.00	5.000	10.000	.150	700	V	N	N	30	N	V
4FR3017A	64 8 7	145 11 48	7.00	2.000	5.000	1.000	700	V	N	N	1,500	<5.0	V
4FR3021	64 6 55	145 22 35	1.50	.500	1.500	.150	300	N	N	N	1,000	<5.0	N
4FR3022B	64 7 50	145 24 20	.03	<.020	.030	.003	5	V	N	N	30	N	V
4FR3023A	64 3 26	144 31 41	1.50	.700	.300	.150	300	N	N	30	300	<5.0	V
4FR3023B	64 3 26	144 31 41	.70	.150	.300	.070	300	V	N	N	300	N	V
4FR3026	64 2 49	144 33 7	2.00	.700	.500	.150	700	V	N	N	300	<5.0	N
4FR3027	64 1 50	144 35 26	3.00	.700	3.000	.300	300	V	N	N	500	<5.0	V
4FR3029	64 1 2	144 40 24	3.00	3.000	5.000	.200	700	V	N	N	300	<5.0	V
4FR3031	64 15 44	144 47 44	2.00	.700	3.000	.300	300	V	N	<20	1,000	<5.0	V
4FR3039	64 17 54	144 38 59	7.00	3.000	7.000	.700	1,500	V	N	N	200	<5.0	N
4FR3040B	64 21 20	144 51 28	.50	.070	.070	.030	70	V	N	<20	200	N	N
4FR3043A	64 16 41	144 55 24	.70	.150	1.000	.070	200	N	N	N	500	<5.0	V
4FR3044A	64 16 8	144 0 34	2.00	.700	3.000	.150	700	V	N	N	1,000	<5.0	V
4FR3045A	64 16 5	144 2 30	3.00	.700	3.000	.300	700	N	N	N	1,500	<5.0	N
4FR3045B	64 16 5	144 2 30	3.00	2.000	3.000	.300	700	V	N	20	1,500	<5.0	V
4FR3045C	64 16 5	144 2 30	.70	.070	.500	.015	150	N	N	20	200	<5.0	V
4FR3048	64 21 50	144 4 42	3.00	.700	.200	.150	500	V	N	20	700	<5.0	V
4FR3049	64 21 34	144 7 58	1.50	.300	1.000	.150	500	N	N	N	700	<5.0	V
4FR3051A	64 18 33	144 13 27	1.50	.500	.150	.300	500	N	N	20	300	<5.0	V
4FR3052	64 18 24	144 13 35	3.00	.700	3.000	.300	700	V	N	N	1,000	<5.0	V
4FR3055A	64 17 39	144 13 9	.70	.070	.050	.030	50	7.0	>10,000	20	100	N	V
4FR3055B	64 17 39	144 13 9	.70	.070	.150	.030	150	.7	>10,000	20	70	N	N
4FR3056	64 18 32	144 15 0	3.00	.700	3.000	.150	300	V	N	N	1,500	<5.0	V
4FR3057B	64 17 59	144 15 15	1.50	.300	1.000	.200	300	V	N	30	1,000	<5.0	V
4FR3058A	64 19 19	144 15 37	1.50	.700	1.000	.150	300	V	N	N	1,500	N	V
4FR3058B	64 19 19	144 15 37	3.00	1.500	3.000	.300	700	V	N	N	700	<5.0	V
4FR3058D	64 19 19	144 15 37	5.00	.700	3.000	.300	500	V	N	N	1,000	<5.0	V
4FR3062A	64 19 0	144 19 5	3.00	.700	.700	.300	700	V	N	30	700	<5.0	V

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZV
4FR2487B	N	1.0	.70	N	N	5	N	30	N	V	7	100	7	N	20	N
4FR2493A	7	30.0	15.00	70	N	15	15	20	N	15	N	150	70	V	50	V
4FR2496	10	1.5	<.50	20	N	N	N	N	N	30	N	300	100	N	30	V
4FR2498B	N	.5	3.00	N	N	7	N	50	N	V	N	500	5	N	10	V
4FR2499	N	1.0	3.00	N	N	7	<5	20	N	V	N	300	5	N	15	V
4FR2502B	N	.5	.70	N	N	N	7	30	N	V	N	100	5	N	N	V
4FR2509A	20	50.0	2.00	70	N	20	30	15	N	50	N	1,000	300	N	50	V
4FR2510A	10	100.0	1.50	20	N	7	20	20	N	15	N	500	100	V	20	V
4FR2518B	5	15.0	.50	N	N	N	N	N	N	15	10	15	100	N	10	N
4FR3001	15	150.0	5.00	150	N	10	30	30	N	15	N	1,000	150	N	30	N
4FR3007	30	300.0	30.00	N	N	N	30	7	N	50	N	1,000	500	N	30	V
4FR3011	2	7.0	7.00	70	N	10	<5	20	N	7	7	100	20	N	70	V
4FR3012	30	70.0	5.00	N	N	N	100	N	N	70	N	300	700	N	50	V
4FR3013	7	7.0	3.00	150	N	15	<5	30	N	7	N	1,500	70	N	30	V
4FR3014B	10	3.0	7.00	30	N	20	N	15	N	15	N	1,000	30	N	70	V
4FR3015	30	150.0	7.00	150	N	15	70	30	N	15	N	500	200	N	70	V
4FR3016	20	300.0	7.00	N	N	N	70	N	N	30	N	150	150	N	10	V
4FR3017A	20	7.0	7.00	50	N	10	5	15	N	30	N	1,000	150	N	30	V
4FR3021	5	30.0	7.00	30	N	10	10	70	N	7	N	150	30	N	15	V
4FR3022B	N	2.0	N	N	N	N	<5	N	N	N	N	N	N	N	N	V
4FR3023A	3	30.0	5.00	30	N	10	7	10	N	7	N	150	30	N	7	N
4FR3023B	N	10.0	7.00	N	N	N	<5	10	N	V	N	30	7	N	N	V
4FR3026	7	30.0	7.00	N	N	10	15	15	N	7	N	150	30	N	15	V
4FR3027	7	15.0	3.00	30	N	10	<5	7	N	15	N	150	100	N	30	V
4FR3029	15	200.0	7.00	20	N	10	70	15	N	20	N	200	200	N	20	N
4FR3031	3	30.0	10.00	30	N	15	N	30	N	15	N	200	50	N	30	V
4FR3039	30	30.0	15.00	30	N	15	7	10	N	30	N	200	300	N	30	V
4FR3040B	N	N	15.00	N	N	<10	7	N	N	V	N	7	7	N	N	V
4FR3043A	N	5.0	3.00	N	N	10	N	70	N	5	N	150	7	N	20	V
4FR3044A	5	3.0	2.00	20	N	15	N	30	N	7	5	200	70	N	20	V
4FR3045A	7	3.0	7.00	70	N	15	<5	30	N	15	7	300	100	V	20	V
4FR3045B	10	30.0	15.00	30	V	15	15	10	N	15	N	500	150	N	15	V
4FR3045C	N	N	N	N	N	10	<5	15	N	<5	5	30	N	N	20	V
4FR3048	5	3.0	5.00	70	N	10	<5	30	N	10	N	200	100	N	30	V
4FR3049	N	2.0	N	70	N	10	N	20	N	7	N	150	30	N	15	V
4FR3051A	N	3.0	5.00	N	N	10	<5	20	N	7	7	30	50	N	15	V
4FR3052	N	3.0	1.00	30	N	10	N	20	N	15	N	300	70	N	15	V
4FR3055A	N	1.0	7.00	N	30	<10	N	20	100	V	N	5	N	N	N	1,500
4FR3055B	N	1.0	1.50	N	N	N	<5	15	N	N	N	7	7	N	N	300
4FR3056	3	7.0	3.00	70	N	10	<5	15	N	10	N	500	70	N	30	V
4FR3057B	3	3.0	15.00	70	N	15	<5	10	N	7	7	300	30	N	15	N
4FR3058A	3	7.0	1.00	30	5	15	<5	50	N	7	N	300	30	N	70	V
4FR3058B	7	3.0	10.00	N	N	10	<5	30	N	15	N	500	100	N	30	V
4FR3058D	7	3.0	1.00	70	N	15	<5	30	N	15	N	300	100	N	30	V
4FR3062A	15	30.0	15.00	N	N	20	10	15	N	15	N	150	50	N	30	N

sample	S-ZR	AA-AU-P
4FR2487B	100	N
4FR2493A	200	N
4FR2496	100	N
4FR2498B	100	N
4FR2499	70	N
4FR2502B	N	N
4FR2509A	100	N
4FR2510A	150	N
4FR2518B	70	N
4FR3001	70	N
4FR3007	70	N
4FR3011	70	N
4FR3012	100	N
4FR3013	200	N
4FR3014B	300	N
4FR3015	300	N
4FR3016	15	N
4FR3017A	70	N
4FR3021	300	N
4FR3022B	N	N
4FR3023A	300	N
4FR3023B	150	N
4FR3026	150	N
4FR3027	150	N
4FR3029	100	N
4FR3031	150	N
4FR3039	30	N
4FR3040B	20	N
4FR3043A	30	N
4FR3044A	150	N
4FR3045A	150	N
4FR3045B	100	N
4FR3045C	50	N
4FR3048	150	N
4FR3049	150	N
4FR3051A	150	N
4FR3052	150	N
4FR3055A	30	-30
4FR3055B	20	-15
4FR3056	150	N
4FR3057B	150	N
4FR3058A	70	N
4FR3058B	150	N
4FR3058D	200	N
4FR3062A	500	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-A3	S-AS	S-B	S-BA	S-BE	S-BI
4FR3064A	64 21 7	144 13 46	1.50	.500	1.500	.150	200	N	N	N	700	<5.0	N
4FR3064B	64 21 7	144 13 46	3.00	.700	1.500	.300	500	V	N	N	700	<5.0	V
4FR3065	64 21 15	144 14 20	7.00	3.000	5.000	.700	700	V	N	N	1,500	N	V
4FR3066	64 20 49	144 15 29	5.00	1.500	1.500	.300	700	V	N	N	300	<5.0	V
4FR3070A	64 23 7	144 12 39	3.00	.700	2.000	.200	500	V	N	20	1,000	<5.0	N
4FR3070B	64 23 7	144 12 39	3.00	.700	2.000	.200	500	V	N	N	1,000	<5.0	V
4FR3070C	64 23 7	144 12 39	2.00	.700	1.500	.300	300	N	N	N	700	<5.0	V
4FR3071A	64 22 27	144 11 54	1.50	.300	.500	.150	200	V	N	N	1,500	<5.0	V
4FR3071B	64 22 27	144 11 54	3.00	1.500	3.000	.300	700	V	N	N	1,500	<5.0	V
4FR3072	64 22 27	144 12 56	1.50	.200	.500	.150	300	V	N	20	1,500	<5.0	V
4FR3077A	64 20 57	144 18 42	7.00	5.000	7.000	.700	700	V	N	N	150	N	V
4FR3077B	64 20 57	144 18 42	1.50	.700	1.500	.300	700	V	N	N	700	<5.0	V
4FR3080	64 24 2	144 21 29	3.00	1.000	.070	.300	200	V	N	30	700	<5.0	V
4FR3081A	64 24 44	144 20 26	5.00	1.500	.070	.300	300	V	N	N	700	N	N
4FR3082	64 25 59	144 20 9	3.00	1.500	3.000	.300	300	V	N	N	300	<5.0	V
4FR3083A	64 24 29	144 15 20	5.00	1.500	.150	.300	200	N	N	N	700	<5.0	V
4FR3083B	64 24 29	144 15 20	7.00	1.500	.300	.300	200	V	N	N	700	N	V
4FR3087	64 9 7	144 19 19	2.00	.700	2.000	.150	300	N	N	N	1,500	<5.0	V
4FR3094A	64 14 35	144 2 30	3.00	.700	1.500	.150	700	V	N	N	1,000	<5.0	V
4FR3094B	64 14 35	144 2 30	3.00	1.000	3.000	.300	700	V	N	N	1,500	<5.0	V
4FR3094C	64 14 35	144 2 30	1.50	.070	.700	.070	300	N	N	N	700	<5.0	V
4FR3095A	64 14 25	144 2 59	1.50	.150	.700	.070	300	V	N	N	700	<5.0	N
4FR3098	64 13 59	144 4 2	.70	.030	.050	.015	30	V	N	<20	200	N	N
4FR3099A	64 13 58	144 4 53	1.00	.020	.050	.050	30	N	N	N	70	N	V
4FR3099B	64 13 58	144 4 53	3.00	.300	.150	.150	3,000	V	N	70	300	<5.0	V
4FR3101	64 13 36	144 5 21	.30	.030	.200	.030	150	V	N	N	300	<5.0	V
4FR3102A	64 13 32	144 5 49	3.00	.700	3.000	.300	300	V	N	N	300	<5.0	V
4FR3102B	64 13 32	144 5 49	2.00	.700	2.000	.200	300	V	N	N	1,500	<5.0	V
4FR3103A	64 13 29	144 6 2	3.00	1.500	.300	.300	300	V	N	N	700	<5.0	V
4FR3103B	64 13 29	144 6 2	7.00	1.500	.100	.500	500	N	N	N	1,500	<5.0	N
4FR3104	64 11 12	144 27 15	7.00	3.000	7.000	>1.000	700	V	N	N	300	<5.0	V
4FR3105	64 9 47	144 17 30	2.00	.700	1.500	.300	300	V	N	N	700	<5.0	V
4FR3109	64 11 17	144 15 39	7.00	1.500	.300	.300	300	V	N	N	700	<5.0	V
4FR3113	64 10 6	144 19 35	1.50	.150	.700	.150	150	N	N	N	1,500	<5.0	N
4FR3115	64 10 1	144 19 59	1.50	.030	.030	.150	15	V	N	N	1,000	<5.0	V
4FR3116	64 9 52	144 21 44	1.50	.700	.700	.150	300	N	N	N	700	<5.0	N
4FR3119	64 11 25	144 25 24	1.50	.300	.700	.150	150	V	N	N	2,000	<5.0	V
4FR3120A	64 11 38	144 25 9	1.50	.300	1.500	.300	200	N	N	N	1,500	<5.0	V
4FR3121A	64 1 59	144 7 19	3.00	1.000	3.000	.200	700	V	N	N	1,500	<5.0	V
4FR3121B	64 1 59	144 7 19	3.00	1.500	3.000	.300	700	V	N	N	1,500	<5.0	V
4FR3122A	64 1 56	144 8 4	5.00	1.500	3.000	.500	1,500	V	N	10	1,500	<5.0	V
4FR3123B	64 2 9	144 8 53	1.00	.200	2.000	.100	300	N	N	N	500	<5.0	N
4FR3124	64 2 30	144 10 19	5.00	5.000	7.000	.300	1,000	V	N	N	150	N	V
4FR3126A	64 3 20	144 10 50	1.50	.500	1.500	.150	500	V	N	N	1,000	N	V
4FR3126B	64 3 20	144 10 50	2.00	.700	.100	.300	200	V	N	N	500	N	V

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-YO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
4FR3064A	3	3.0	1.00	30	N	15	<5	30	N	7	N	150	30	N	30	V
4FR3064B	7	5.0	15.00	70	N	15	5	20	N	15	N	200	150	V	20	V
4FR3065	30	150.0	20.00	70	N	15	70	10	N	30	N	300	300	N	30	V
4FR3066	7	30.0	7.00	30	N	15	30	30	N	15	N	150	150	N	20	N
4FR3070A	5	2.0	N	70	<5	15	N	10	N	15	N	30	50	N	30	V
4FR3070B	3	1.0	1.00	70	N	10	N	15	N	15	N	200	30	N	20	V
4FR3070C	3	1.0	1.00	30	N	10	N	30	N	7	N	200	30	V	20	V
4FR3071A	N	1.0	<1.00	30	N	10	N	15	N	7	N	300	15	N	15	V
4FR3071B	7	7.0	1.50	70	N	10	<5	10	N	15	N	500	100	N	30	V
4FR3072	N	2.0	1.00	70	N	15	N	20	N	7	N	150	20	N	30	V
4FR3077A	30	300.0	2.00	N	N	10	150	15	N	30	N	300	300	N	30	V
4FR3077B	5	30.0	10.00	50	N	10	7	30	N	7	N	150	30	N	15	N
4FR3080	7	30.0	20.00	150	N	15	20	10	N	10	N	70	50	N	20	V
4FR3081A	7	150.0	50.00	100	N	15	15	30	N	20	N	150	150	N	20	V
4FR3082	7	30.0	1.50	N	N	10	7	20	N	15	N	200	150	N	10	V
4FR3083A	7	150.0	20.00	30	N	10	30	30	N	15	N	70	150	N	15	N
4FR3083B	7	150.0	30.00	70	N	15	30	10	N	15	N	100	150	V	20	V
4FR3087	3	7.0	<1.00	30	N	20	<5	30	N	15	N	700	30	N	30	V
4FR3094A	N	3.0	20.00	20	7	15	N	30	N	7	15	200	70	150	15	V
4FR3094B	7	3.0	1.50	30	3	15	<5	15	N	10	N	300	100	N	30	N
4FR3094C	N	<1.0	15.00	N	3	15	N	20	N	7	N	30	5	N	15	V
4FR3095A	N	<1.0	15.00	N	10	15	N	20	N	7	N	70	7	N	30	V
4FR3098	N	<1.0	1.00	N	N	10	N	15	N	5	7	30	N	N	30	V
4FR3099A	N	N	N	N	N	15	N	N	N	7	7	70	N	N	15	V
4FR3099B	5	1.0	3.00	30	N	15	N	N	N	7	10	150	20	N	15	N
4FR3101	N	<1.0	N	V	N	30	N	20	N	7	5	30	N	V	30	V
4FR3102A	7	30.0	5.00	N	N	15	20	15	N	10	N	200	70	N	15	N
4FR3102B	3	2.0	1.50	30	N	15	N	20	N	7	N	500	30	N	15	N
4FR3103A	15	50.0	3.00	70	N	15	30	15	N	15	N	150	70	N	15	N
4FR3103B	15	150.0	30.00	70	N	15	30	20	N	15	N	150	150	N	10	V
4FR3104	50	70.0	50.00	30	N	20	70	10	N	30	N	500	500	N	30	V
4FR3105	5	15.0	1.50	N	N	15	7	30	N	7	N	150	30	N	20	N
4FR3109	15	150.0	1.50	200	N	20	30	30	N	15	15	300	200	N	70	V
4FR3113	N	3.0	1.00	70	N	30	N	30	N	15	N	150	15	N	30	V
4FR3115	N	2.0	1.50	150	5	30	N	30	N	15	N	70	15	V	70	V
4FR3116	7	30.0	10.00	N	N	15	20	10	N	7	5	150	30	N	10	N
4FR3119	N	3.0	7.00	50	N	15	N	30	N	10	N	150	30	N	50	V
4FR3120A	N	5.0	1.00	70	N	50	N	20	N	15	N	150	30	V	70	V
4FR3121A	5	3.0	3.00	30	N	10	<5	15	N	15	N	300	70	N	30	V
4FR3121B	5	2.0	5.00	20	3	7	N	10	N	15	N	300	70	N	30	N
4FR3122A	7	3.0	70.00	20	N	7	<5	30	N	15	20	500	100	N	30	200
4FR3123B	N	3.0	1.50	20	N	10	<5	7	N	10	N	200	20	N	30	V
4FR3124	15	30.0	7.00	N	N	15	15	N	N	30	N	300	200	N	30	V
4FR3126A	N	1.5	1.00	70	N	15	<5	30	N	10	N	300	15	N	20	N
4FR3126B	7	50.0	30.00	50	N	10	15	15	N	15	N	50	70	N	20	V

AA-AU-P

S-ZR

sample

4FR3064A	150	N
4FR3064B	200	N
4FR3065	300	N
4FR3066	300	N
4FR3070A	200	N
4FR3070B	150	N
4FR3070C	150	N
4FR3071A	150	.10
4FR3071B	150	N
4FR3072	150	N
4FR3077A	100	N
4FR3077B	500	N
4FR3080	150	N
4FR3081A	200	N
4FR3082	15	N
4FR3083A	150	N
4FR3083B	300	N
4FR3087	70	N
4FR3094A	150	N
4FR3094B	150	N
4FR3094C	50	N
4FR3095A	70	N
4FR3098	50	N
4FR3099A	150	N
4FR3099B	200	N
4FR3101	70	N
4FR3102A	150	N
4FR3102B	150	N
4FR3103A	200	N
4FR3103B	200	N
4FR3104	150	N
4FR3105	70	N
4FR3109	150	N
4FR3113	300	N
4FR3115	200	N
4FR3116	150	N
4FR3119	150	N
4FR3120A	300	N
4FR3121A	100	N
4FR3121B	150	N
4FR3122A	200	N
4FR3123B	150	N
4FR3124	70	N
4FR3126A	150	N
4FR3126B	100	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-A3	S-AS	S-B	S-9A	S-BE	S-3I
4FR3128A	64 12 16	144 9 34	.50	.500	>20,000	.070	150	V	N	N	150	N	V
4FR3128B	64 12 16	144 9 34	3.00	.700	3,000	.200	500	V	N	N	150	<5.0	V
4FR3128C	64 12 16	144 9 34	3.00	2,000	7,000	.500	1,000	V	N	N	1,000	<5.0	V
4FR3129B	64 12 20	144 8 30	3.00	1,500	.300	.300	700	V	N	15	1,000	<5.0	N
4FR3130A	64 3 26	144 19 9	10.00	5,000	7,000	>1,000	1,500	N	N	N	300	N	V
4FR3130B	64 3 26	144 19 9	7.00	5,000	10,000	.700	700	V	N	N	200	<5.0	N
4FR3131	64 3 20	145 19 18	1.50	.500	1,000	.200	300	V	N	10	1,500	<5.0	V
4FR3133A	64 24 29	144 11 35	2.00	1,000	2,000	.200	700	V	N	N	700	<5.0	V
4FR3133B	64 24 29	144 11 35	5.00	1,500	3,000	.300	700	V	N	N	700	N	V
4FR3135A	64 24 44	144 13 40	5.00	1,500	.700	.300	1,000	V	N	N	300	N	V
4FR3135B	64 24 44	144 13 40	7.00	7,000	7,000	.200	1,000	V	N	N	70	N	V
4FR3136A	64 24 37	144 13 59	7.00	.150	.700	.050	150	V	N	N	200	N	N
4FR3136B	64 24 37	144 13 59	5.00	1,500	.500	.300	700	N	N	N	700	N	V
4FR3138A	64 25 14	144 12 50	5.00	2,000	7,000	.150	1,000	N	N	N	200	5.0	V
4FR3138B	64 25 14	144 12 50	7.00	2,000	1,500	.500	700	V	N	N	1,000	<5.0	V
4FR3139	64 25 50	144 13 35	3.00	1,500	1,000	.300	500	N	N	15	300	N	N
4FR3140	64 25 59	144 12 47	2.00	.700	1,500	.300	700	V	N	10	700	N	V
4FR3142	64 28 29	144 14 14	2.00	1,000	3,000	.150	700	V	N	N	500	<5.0	V
4FR3143	64 29 20	144 18 50	3.00	1,500	5,000	.300	700	V	N	N	1,000	<5.0	V
4FR3144	64 29 14	144 5 47	3.00	.200	1,000	.300	300	V	N	N	1,000	5.0	N
4FR3145A	64 29 36	144 3 5	2.00	.200	1,000	.150	300	N	N	30	700	5.0	N
4FR3145B	64 29 36	144 3 5	2.00	.150	.500	.200	200	N	N	15	700	5.0	N
4FR3146	64 29 30	144 3 24	1.50	.100	.150	.200	70	V	N	10	1,000	5.0	V
4FR3147	64 29 47	144 1 13	2.00	.300	.150	.200	300	V	N	N	1,000	<5.0	N
4FR3148	64 27 50	144 2 17	5.00	2,000	.300	.300	700	V	N	N	500	<5.0	V
4FR3155D	64 7 30	145 3 20	.70	.070	.700	.050	200	V	N	10	300	<5.0	V
4FR3157A	64 11 12	145 16 13	3.00	.700	.300	.200	500	V	N	N	1,500	<5.0	V
4FR3160	64 11 7	145 18 57	1.00	.300	.500	.200	150	N	N	10	1,000	<5.0	V
4FR3166A	64 13 5	145 28 24	1.00	.150	.150	.150	200	V	N	50	500	<5.0	N
4FR3167	64 14 14	145 22 0	1.50	.300	1,000	.200	200	N	N	N	500	<5.0	V
4FR3171	64 16 36	144 21 28	5.00	3,000	5,000	.300	700	V	N	N	500	<5.0	V
4FR3173A	64 16 32	144 23 17	1.00	.100	.150	.100	70	2,0	N	70	300	N	N
4FR3173B	64 16 32	144 23 17	3.00	.700	1,500	.300	700	N	N	30	1,000	N	V
4FR3173D	64 16 32	144 23 17	.70	.030	.015	.050	50	N	N	20	150	N	V
4FR3173E	64 16 32	144 23 17	1.00	.200	.050	.200	150	V	N	10	200	N	V
4FR3174C	64 16 27	144 23 27	3.00	.200	.200	.500	700	V	N	30	500	<5.0	V
4FR3219	64 26 44	144 22 45	7.00	2,000	.700	.500	700	N	N	N	500	N	V
4FR3220	64 27 2	144 22 14	3.00	1,500	.700	.300	700	V	N	N	1,000	N	V
4FR3224B	64 28 5	144 20 12	5.00	2,000	.300	.300	300	V	N	N	300	N	V
4FR3231	64 23 12	144 13 19	2.00	.500	1,000	.200	500	N	N	N	1,500	N	N
4FR3233A	64 23 12	144 13 50	1.50	.150	.300	.150	300	V	N	50	1,000	N	V
4FR3233B	64 23 12	144 13 50	5.00	5,000	7,000	.200	700	N	N	N	300	N	V
4FR3234A	64 23 12	144 14 17	1.50	.200	.200	.150	300	V	N	70	1,000	N	N
4FR3234B	64 23 12	144 14 17	1.50	.150	.050	.150	300	V	N	50	700	<5.0	N
4FR3235A	64 23 8	144 14 44	7.00	2,000	3,000	.500	500	N	N	N	1,500	N	V

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
4FR3128A	N	15.0	5.00	N	N	N	7	N	N	V	N	700	10	N	N	V
4FR3128B	7	7.0	3.00	50	N	7	<5	10	N	20	N	150	70	N	50	N
4FR3128C	20	70.0	10.00	30	N	15	30	30	N	20	N	1,000	150	N	30	V
4FR3129B	10	70.0	50.00	50	N	10	30	30	N	15	N	300	100	N	20	V
4FR3130A	30	150.0	15.00	30	N	10	70	N	N	30	N	300	300	N	70	V
4FR3130B	30	300.0	20.00	20	N	15	100	N	N	50	N	500	200	N	50	N
4FR3131	3	15.0	3.00	50	N	10	5	30	N	7	N	200	30	N	30	V
4FR3133A	5	3.0	1.00	30	N	10	N	20	N	10	N	300	50	N	20	N
4FR3133B	7	3.0	.70	50	N	10	<5	15	N	15	N	300	70	N	30	V
4FR3135A	10	70.0	15.00	N	N	10	30	7	N	15	N	100	70	N	10	N
4FR3135B	20	500.0	3.00	20	N	N	100	N	N	30	N	50	150	N	15	V
4FR3136A	N	3.0	2.00	N	N	10	<5	30	N	7	N	70	5	N	20	V
4FR3136B	7	70.0	20.00	70	N	7	20	N	N	20	N	70	70	N	30	V
4FR3138A	10	50.0	<.50	20	N	N	10	7	N	30	7	300	150	N	50	N
4FR3138B	15	100.0	3.00	70	N	20	20	N	N	20	N	300	100	N	70	V
4FR3139	10	70.0	10.00	30	N	10	30	10	N	20	N	100	50	N	30	V
4FR3140	3	2.0	.50	30	N	10	<5	10	N	--	N	200	50	N	30	V
4FR3142	5	7.0	1.00	100	N	10	<5	30	N	--	N	200	70	N	50	N
4FR3143	7	10.0	2.00	N	N	N	5	15	N	--	N	300	100	N	30	V
4FR3144	5	3.0	3.00	70	N	30	5	20	N	--	7	150	15	N	50	V
4FR3145A	N	1.5	2.00	50	3	20	N	20	N	--	10	100	10	V	50	V
4FR3145B	N	2.0	3.00	30	5	20	N	20	N	--	7	70	10	N	30	N
4FR3146	N	2.0	2.00	20	3	15	N	20	N	--	7	70	7	N	30	N
4FR3147	5	2.0	2.00	20	N	20	<5	20	N	--	10	50	10	N	20	V
4FR3148	15	70.0	20.00	20	N	7	50	N	N	10	N	70	50	N	30	V
4FR3155D	N	.5	.50	20	N	7	<5	20	N	N	7	70	N	N	15	N
4FR3157A	3	5.0	3.00	70	N	15	<5	30	N	<5	5	700	30	N	10	V
4FR3160	N	7.0	N	30	N	10	<5	15	N	10	7	150	20	N	30	V
4FR3166A	3	5.0	5.00	50	N	15	7	20	N	7	5	70	20	N	50	V
4FR3167	N	5.0	.70	30	N	15	N	30	N	7	N	50	15	N	30	V
4FR3171	10	50.0	7.00	70	N	10	20	10	N	20	N	300	100	N	30	V
4FR3173A	N	7.0	5.00	N	N	N	N	700	2,000	V	N	10	7	N	7	V
4FR3173B	7	30.0	2.00	70	N	10	7	15	N	15	5	100	50	N	30	V
4FR3173D	N	5.0	.70	20	N	N	N	N	N	V	N	10	5	N	N	N
4FR3173E	3	15.0	3.00	30	N	7	<5	N	N	<5	N	30	15	N	15	V
4FR3174C	10	50.0	5.00	50	N	15	15	30	N	20	7	100	150	N	30	V
4FR3219	15	100.0	70.00	20	N	7	70	10	N	15	N	150	150	N	N	V
4FR3220	7	7.0	5.00	20	N	N	<5	15	N	15	N	300	100	N	20	V
4FR3224B	7	70.0	70.00	50	N	10	30	7	N	15	N	70	100	N	30	V
4FR3231	7	2.0	.70	70	5	15	N	15	N	10	--	300	20	N	30	N
4FR3233A	N	2.0	1.00	70	V	15	N	15	N	10	--	150	15	V	30	V
4FR3233B	30	700.0	70.00	N	N	N	200	N	N	30	--	300	200	N	15	N
4FR3234A	N	2.0	.50	30	5	15	<5	15	N	10	--	150	20	N	20	V
4FR3234B	3	3.0	.70	100	N	20	N	7	200	7	--	70	15	V	20	V
4FR3235A	10	100.0	70.00	100	5	15	15	50	N	20	--	500	150	N	70	V

sample	S-ZR	AA-AU-P
4FR3128A	15	N
4FR3128B	100	N
4FR3128C	300	N
4FR3129B	100	N
4FR3130A	150	N
4FR3130B	150	N
4FR3131	150	N
4FR3133A	150	N
4FR3133B	150	N
4FR3135A	100	N
4FR3135B	70	N
4FR3136A	50	N
4FR3136B	200	N
4FR3138A	15	N
4FR3138B	500	N
4FR3139	150	N
4FR3140	150	N
4FR3142	70	N
4FR3143	150	N
4FR3144	300	N
4FR3145A	200	N
4FR3145B	200	N
4FR3146	150	N
4FR3147	150	N
4FR3148	200	N
4FR3155D	50	N
4FR3157A	150	N
4FR3160	150	N
4FR3166A	100	N
4FR3167	70	N
4FR3171	70	N
4FR3173A	70	N
4FR3173B	200	N
4FR3173D	70	N
4FR3173E	100	N
4FR3174C	150	N
4FR3219	300	N
4FR3220	70	N
4FR3224B	300	N
4FR3231	200	N
4FR3233A	150	N
4FR3233B	30	N
4FR3234A	200	N
4FR3234B	150	N
4FR3235A	200	N

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-A3	S-A5	S-B	S-BA	S-BE	S-BI
4FR3236	64 11 39	145 0 20	3.00	.500	2.000	.300	500	V	N	N	2,000	<5.0	N
4FR3244	64 10 47	144 58 9	1.00	.200	1.500	.100	200	N	N	N	700	5.0	N
4FR3251	64 12 29	144 49 19	3.00	1.500	1.000	.300	500	V	N	150	500	N	V
4FR3254	64 16 56	145 22 45	5.00	3.000	7.000	.700	700	V	N	30	1,500	<5.0	V
4FR3266	64 14 18	145 27 20	7.00	.150	7.000	.300	500	V	N	N	200	<5.0	V
4FR3267A	64 14 9	145 26 49	7.00	2.000	3.000	.500	700	V	N	15	700	N	N
4FR3272	64 14 22	144 52 54	3.00	3.000	5.000	.500	700	V	N	N	1,500	<5.0	V
4FR3282	64 13 11	145 0 24	2.00	.150	1.000	.020	5,000	N	N	10	150	<5.0	V
4FR3286B	64 12 50	145 2 25	5.00	2.000	7.000	1.000	700	V	N	N	1,000	<5.0	V
4FR3288A	64 12 34	145 3 32	15.00	7.000	10.000	1.000	1,500	V	N	N	500	N	N
4FR528	64 14 48	144 51 42	3.00	1.500	3.000	.300	500	V	N	30	1,500	<5.0	V
4FR529B	64 17 59	144 43 0	3.00	.700	1.500	.300	300	V	N	N	1,000	<5.0	N
4FR530C	64 17 39	144 29 14	1.50	.300	1.500	.100	300	V	N	N	700	<5.0	V
4FR531	64 8 21	144 10 10	1.00	.300	1.000	.150	150	N	N	N	3,000	N	N
4FR532	64 7 40	144 11 38	2.00	.700	3.000	.300	300	V	N	N	700	<5.0	N
4FR535A	64 7 27	144 14 50	1.50	.700	3.000	.200	300	V	N	N	1,500	<5.0	V
4FR535B	64 7 27	144 14 50	1.50	.300	1.500	.150	300	V	N	N	1,500	<5.0	V
4FR537	64 6 11	144 17 59	7.00	2.000	5.000	.300	700	N	N	N	500	N	N
4FR538	64 6 17	144 18 34	2.00	.700	1.500	.300	300	V	N	N	700	<5.0	V
4FR541A	64 9 23	145 8 44	7.00	3.000	7.000	.700	1,500	N	N	N	700	<5.0	V
4FR542A	64 9 29	145 8 44	7.00	3.000	5.000	.700	700	V	N	N	700	<5.0	V
4FR542C	64 9 29	145 8 44	.30	.070	1.500	.030	30	V	N	N	300	<5.0	N
4FR543	64 9 52	145 8 22	3.00	.700	3.000	.150	500	V	N	N	1,500	<5.0	V
4FR544	64 10 1	145 8 32	.70	.070	1.500	.030	300	V	N	N	1,500	N	V
4FR546	64 11 31	145 10 27	3.00	1.500	.700	.300	300	V	N	70	300	<5.0	V
4FR547	64 12 57	145 21 57	7.00	7.000	7.000	.070	700	N	N	N	30	N	N
4FR548B	64 12 47	145 22 0	7.00	>10.000	.300	.015	700	V	N	N	15	N	V
4FR548C	64 12 47	145 22 0	3.00	10.000	7.000	.010	700	N	N	N	5	N	V
4FR549	64 12 33	145 21 56	.70	.700	.300	.150	70	V	N	15	200	<5.0	V
4FR551A	64 12 33	145 21 1	5.00	5.000	7.000	.150	700	N	N	N	30	N	N
4FR558	64 2 36	144 35 17	1.50	.700	.700	.150	700	N	N	<20	500	<5.0	V
4FR559	64 2 23	144 36 24	3.00	.700	3.000	.200	500	V	N	N	300	<5.0	N
4FR561	64 2 12	144 41 30	3.00	.700	3.000	.300	500	V	N	N	500	<5.0	V
4FR565	64 17 43	144 53 3	1.50	.700	1.500	.150	300	N	N	N	1,000	<5.0	N
4FR567	64 17 12	144 52 50	2.00	.700	.700	.300	300	V	N	>5,000	700	<5.0	N
4FR568	64 16 59	144 52 36	3.00	.300	.300	.070	150	N	N	15	300	<5.0	V
4FR569A	64 16 41	144 52 30	1.50	.300	.700	.150	300	V	N	20	200	<5.0	V
4FR570A	64 16 27	144 52 14	1.50	.700	.700	.300	150	V	N	N	700	<5.0	N
4FR570B	64 16 27	144 52 14	3.00	1.500	3.000	.300	300	N	N	N	300	<5.0	N
4FR574	64 15 20	144 51 32	3.00	1.500	3.000	.300	500	N	N	N	700	<5.0	V
4FR577	64 17 36	144 57 59	.70	.150	.700	.070	100	V	N	N	700	<5.0	N
4FR582	64 18 16	144 54 21	3.00	.700	.700	.300	300	N	N	N	700	<5.0	N
4FR586	64 17 17	144 3 34	1.50	.300	.700	.100	300	N	N	N	700	<5.0	V
4FR587	64 17 12	144 3 50	.50	.030	.300	.007	700	.7	N	N	70	<5.0	V
4FR588	64 16 45	144 4 9	1.50	.200	2.000	.100	500	V	N	N	1,500	<5.0	V

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-SV	S-W	S-Y	S-ZN
4FR3236	5	2.0	3.00	30	N	20	N	30	N	15	--	300	20	V	30	V
4FR3244	2	2.0	1.00	20	N	10	N	30	N	V	--	150	10	N	20	V
4FR3251	7	50.0	15.00	20	N	10	15	10	N	10	N	100	70	N	15	V
4FR3254	15	100.0	20.00	50	N	10	20	20	N	30	N	500	150	N	30	N
4FR3266	N	30.0	50.00	100	N	15	N	30	N	15	N	1,500	100	N	70	V
4FR3267A	15	50.0	3.00	30	N	5	15	N	N	20	N	300	150	V	30	V
4FR3272	15	150.0	3.00	50	N	15	30	30	N	20	N	500	150	V	30	V
4FR3282	N	N	1.00	N	N	7	<5	50	N	10	N	150	N	N	50	N
4FR3286B	15	10.0	7.00	70	N	10	5	10	N	15	N	700	100	N	50	V
4FR3288A	70	700.0	5.00	50	N	30	300	N	N	30	N	300	300	N	30	V
4FR528	10	100.0	5.00	30	N	15	20	30	N	10	N	700	150	N	15	V
4FR529B	7	30.0	15.00	70	N	20	7	15	N	15	N	150	150	N	30	N
4FR530C	N	3.0	1.50	50	3	15	N	15	N	7	N	150	7	N	20	V
4FR531	N	3.0	1.00	70	N	15	N	30	N	5	N	700	15	N	30	N
4FR532	3	1.0	N	N	N	15	N	15	N	7	N	300	30	N	30	V
4FR535A	3	3.0	N	30	N	15	<5	20	N	7	5	300	30	N	15	N
4FR535B	N	3.0	N	70	N	15	N	20	N	7	N	300	15	N	15	N
4FR537	15	30.0	1.50	30	N	10	N	15	N	30	N	300	150	V	30	V
4FR538	7	30.0	7.00	50	N	15	5	30	N	10	N	150	30	V	30	V
4FR541A	30	150.0	70.00	70	N	15	50	15	N	30	N	1,000	700	N	70	N
4FR542A	15	30.0	7.00	30	N	15	5	15	N	15	N	700	200	N	30	V
4FR542C	N	1.0	7.00	N	N	20	N	70	N	N	N	300	<10	N	10	V
4FR543	5	7.0	2.00	20	N	10	N	30	N	5	N	1,500	30	N	15	N
4FR544	N	1.0	1.00	N	N	<10	N	30	N	N	N	300	N	N	N	N
4FR546	7	30.0	15.00	70	N	15	15	15	N	15	N	100	70	N	15	V
4FR547	30	1,500.0	7.00	N	N	N	300	10	N	30	N	150	150	N	N	V
4FR548B	70	2,000.0	70.00	N	N	N	1,500	N	N	15	N	N	70	N	N	V
4FR548C	70	1,500.0	50.00	N	N	N	700	N	N	7	N	5	70	N	N	N
4FR549	N	15.0	3.00	N	N	15	10	30	N	5	N	70	10	N	30	N
4FR551A	30	700.0	15.00	N	N	N	150	N	N	30	N	150	150	N	10	V
4FR558	7	30.0	1.50	30	N	15	15	15	N	7	N	1,500	30	N	15	V
4FR559	7	15.0	1.00	30	N	15	<5	N	N	15	N	1,500	70	N	20	N
4FR561	7	15.0	7.00	20	N	10	N	10	N	15	7	1,500	70	N	20	V
4FR565	7	20.0	1.50	50	N	15	7	15	N	10	7	200	30	N	20	N
4FR567	3	20.0	7.00	N	N	15	<5	15	N	15	7	150	50	N	15	V
4FR568	7	7.0	70.00	N	N	10	5	20	N	7	7	150	<10	N	15	N
4FR569A	N	7.0	<1.00	20	N	15	N	30	N	15	10	150	10	N	20	V
4FR570A	N	30.0	20.00	N	N	15	<5	30	N	10	5	200	70	V	10	V
4FR570B	15	15.0	20.00	50	N	10	30	30	N	15	7	500	70	N	15	V
4FR574	15	150.0	1.50	30	N	15	30	30	N	15	N	300	150	N	20	N
4FR577	N	2.0	1.00	20	N	10	N	30	N	5	7	150	<10	N	15	V
4FR582	7	50.0	7.00	30	N	10	15	30	N	10	N	150	70	N	30	V
4FR586	N	1.0	N	30	N	10	N	30	N	5	N	150	10	N	20	V
4FR587	N	1.0	30.00	N	N	10	N	30	N	V	5	15	N	N	20	N
4FR588	N	1.0	N	70	N	15	N	30	N	5	N	150	N	N	30	V

sample	S-ZR	AA-AU-P
4FR3236	500	N
4FR3244	150	N
4FR3251	300	N
4FR3254	150	N
4FR3266	150	N
4FR3267A	100	N
4FR3272	150	N
4FR3282	50	N
4FR3286B	200	N
4FR3288A	200	N
4FR528	150	N
4FR529B	200	N
4FR530C	150	N
4FR531	150	N
4FR532	150	N
4FR535A	150	N
4FR535B	150	N
4FR537	100	N
4FR538	200	N
4FR541A	70	N
4FR542A	150	N
4FR542C	150	N
4FR543	300	N
4FR544	30	N
4FR546	300	N
4FR547	N	N
4FR548B	N	N
4FR548C	N	N
4FR549	70	N
4FR551A	N	N
4FR558	700	N
4FR559	150	N
4FR561	200	N
4FR565	300	N
4FR567	200	N
4FR568	70	N
4FR569A	150	N
4FR570A	200	N
4FR570B	70	N
4FR574	300	N
4FR577	70	N
4FR582	300	N
4FR586	150	N
4FR587	50	N
4FR588	150	N

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-A3	S-AS	S-B	S-BA	S-BE	S-BI
4FR589	64 16 29	144 4 24	1.50	.300	.700	.070	300	V	N	N	700	<5.0	V
4FR590	64 16 9	144 5 8	2.00	.700	1.500	.150	500	V	N	N	1,500	<5.0	V
4FR592	64 16 9	144 5 30	1.00	.700	2.000	.150	500	V	N	N	700	<5.0	V
4FR593A	64 16 0	144 6 15	2.00	.700	2.000	.150	700	N	N	N	1,500	<5.0	N
4FR593B	64 16 0	144 6 15	3.00	1.500	3.000	.150	500	N	N	N	1,500	<5.0	V
4FR593C	64 16 0	144 6 15	3.00	.700	3.000	.200	500	V	N	N	700	<5.0	V
4FR594	64 16 6	144 6 39	1.50	.150	.150	.070	70	V	N	30	700	<5.0	N
4FR595	64 16 6	144 7 59	1.50	.150	.300	.070	50	V	N	30	300	<5.0	N
4FR596	64 16 19	144 8 44	3.00	.700	3.000	.150	700	N	N	N	1,500	<5.0	V
4FR597	64 15 39	144 11 15	2.00	.700	2.000	.150	300	V	N	N	1,500	<5.0	V
4FR598A	64 18 30	144 14 47	.70	.070	.300	.030	300	V	N	20	300	<5.0	V
4FR598B	64 18 30	144 14 47	5.00	1.500	3.000	.150	500	V	N	N	700	<5.0	N
4FR599A	64 17 57	144 15 0	1.50	.300	.300	.150	150	V	N	20	300	<5.0	V
4FR599B	64 17 57	144 15 0	.30	.300	.070	.070	50	1.5	N	30	300	<5.0	V
4FR600	64 17 25	144 15 29	2.00	.500	2.000	.150	300	V	N	N	1,500	<5.0	V
4FR601A	64 17 30	144 15 32	1.00	.300	.700	.070	150	N	N	N	1,000	<5.0	N
4FR601B	64 17 30	144 15 32	3.00	.700	1.500	.300	700	.7	N	N	700	<5.0	V
4FR601C	64 17 30	144 15 32	3.00	1.000	3.000	.700	500	V	N	N	300	<5.0	N
4FR601D	64 17 30	144 15 32	1.50	.300	1.500	.150	200	V	N	N	1,500	<5.0	V
4FR601E	64 17 30	144 15 32	3.00	1.500	3.000	.300	700	N	N	N	300	<5.0	N
4FR601F	64 17 30	144 15 32	1.50	.300	.100	.150	70	V	N	15	1,000	<5.0	V
4FR603A	64 16 42	144 14 14	.70	.015	.015	.003	30	70.0	1,500	N	100	N	V
4FR603B	64 16 42	144 14 14	1.50	.500	1.500	.150	300	.7	N	N	1,000	N	V
4FR606A	64 16 17	144 15 5	3.00	.700	3.000	.300	500	N	N	N	700	<5.0	N
4FR606B	64 16 17	144 15 5	3.00	.700	3.000	.300	500	N	N	N	700	<5.0	N
4FR608	64 16 8	144 14 30	2.00	.300	.070	.300	100	N	N	70	700	<5.0	V
4FR619	64 26 26	144 23 59	3.00	1.500	.500	.300	300	V	N	15	500	N	N
4FR620	64 26 12	144 25 22	3.00	1.000	.030	.150	200	V	N	15	700	<5.0	N
4FR621	64 26 7	144 27 2	7.00	3.000	10.000	.300	700	V	N	N	300	<5.0	V
4FR622	64 26 0	144 28 29	7.00	1.500	.100	.300	300	V	N	N	500	<5.0	N
4FR623A	64 25 29	144 29 30	7.00	3.000	1.500	.300	700	V	N	20	300	<5.0	V
4FR623B	64 25 29	144 29 30	.70	.700	22.000	.150	300	V	N	N	150	N	N
4FR624B	64 25 13	144 29 47	3.00	.700	3.000	.300	300	V	N	N	700	N	N
4FR636	64 14 12	144 7 56	3.00	1.500	3.000	.300	700	N	N	N	1,000	<5.0	V
4FR638A	64 15 21	144 8 25	2.00	.700	2.000	.300	500	V	N	N	1,000	<5.0	V
4FR638B	64 15 21	144 8 25	1.50	.300	.300	.150	200	V	N	N	1,500	<5.0	N
4FR638C	64 15 21	144 8 25	1.50	.300	.700	.100	300	N	N	N	1,500	<5.0	V
4FR639A	64 15 42	144 7 5	1.50	.700	1.500	.150	300	V	N	10	1,000	N	N
4FR639B	64 15 42	144 7 5	1.50	.700	1.000	.150	700	.5	N	N	1,500	<5.0	N
4FR640	64 15 32	144 6 16	3.00	.700	2.000	.150	500	V	N	N	1,000	<5.0	V
4FR641	64 14 38	144 7 9	1.50	.300	.700	.150	200	V	N	N	700	<5.0	V
4FR644	64 14 54	144 13 14	2.00	.700	1.500	.150	200	.5	N	N	1,500	<5.0	V
4FR646A	64 4 8	144 4 9	1.00	.150	1.000	.070	150	V	N	N	1,000	<5.0	V
4FR649	64 3 28	144 3 50	1.50	.015	.150	.100	700	V	N	N	200	<5.0	N
4FR650	64 3 16	144 3 1	1.50	.500	1.500	.150	300	V	N	N	1,000	<5.0	V

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
4FR589	N	3.0	1.50	30	N	10	N	30	N	7	N	150	20	V	30	V
4FR590	3	7.0	.70	N	N	15	N	15	N	7	N	300	30	N	30	N
4FR592	3	2.0	.70	30	N	10	N	30	N	10	N	300	30	N	30	V
4FR593A	7	15.0	.70	N	N	15	7	15	N	7	N	200	30	V	15	V
4FR593B	7	30.0	.50	20	N	10	10	10	N	7	5	300	30	N	20	V
4FR593C	7	7.0	1.50	30	N	10	N	30	N	10	5	200	150	N	30	N
4FR594	N	3.0	.70	N	N	15	N	20	N	<5	N	70	20	N	30	V
4FR595	N	3.0	3.00	N	N	15	N	30	N	<5	N	70	15	N	30	V
4FR596	7	3.0	3.00	50	N	15	N	30	N	10	N	300	70	N	20	V
4FR597	3	10.0	150.00	N	N	10	N	15	N	7	N	200	30	70	15	V
4FR598A	3	1.0	2.00	N	N	10	<5	50	N	V	N	150	<10	N	10	V
4FR598B	15	30.0	.50	70	N	10	7	10	N	20	N	150	150	N	20	V
4FR599A	3	30.0	15.00	N	N	10	7	15	N	7	N	150	30	N	N	V
4FR599B	N	3.0	3.00	N	150	10	N	10	N	V	30	15	10	N	N	N
4FR600	3	3.0	.70	100	N	15	N	15	N	15	N	200	50	N	20	V
4FR601A	N	3.0	7.00	30	3	15	N	30	N	5	N	150	15	N	15	V
4FR601B	3	30.0	10.00	50	N	15	<5	30	N	15	7	150	70	N	20	V
4FR601C	7	5.0	15.00	N	N	15	7	15	N	15	7	150	150	N	15	N
4FR601D	N	1.0	15.00	30	N	15	N	20	N	7	7	150	20	N	15	V
4FR601E	7	7.0	7.00	20	N	15	5	15	N	15	7	300	150	N	30	V
4FR601F	N	3.0	15.00	70	N	20	N	15	N	7	20	150	70	N	20	V
4FR603A	N	1.0	200.00	N	N	N	N	15	700	V	N	N	N	N	N	V
4FR603B	N	1.0	1.50	50	N	15	N	20	N	7	N	300	30	N	15	V
4FR606A	7	7.0	1.50	70	N	10	<5	20	N	15	N	300	30	V	20	V
4FR606B	7	7.0	3.00	30	N	10	<5	15	N	15	N	300	150	N	30	V
4FR608	N	30.0	30.00	70	N	10	<5	20	N	7	N	100	30	N	15	N
4FR619	7	150.0	50.00	150	N	10	15	15	N	15	N	150	150	N	30	V
4FR620	7	30.0	30.00	70	N	10	15	10	N	7	N	50	70	N	15	V
4FR621	30	150.0	15.00	N	N	10	30	10	N	30	N	150	300	N	20	V
4FR622	15	100.0	70.00	30	N	10	30	15	N	15	N	100	150	N	10	V
4FR623A	15	100.0	10.00	70	V	15	70	10	N	20	N	100	150	N	70	V
4FR623B	N	20.0	3.00	20	N	N	7	30	N	10	10	2,000	30	N	15	V
4FR624B	7	5.0	1.50	70	N	10	<5	10	N	15	N	300	150	V	20	V
4FR636	7	7.0	15.00	30	N	10	5	20	N	15	N	300	150	N	30	N
4FR638A	5	3.0	1.50	70	N	15	<5	30	N	10	N	200	50	N	30	V
4FR638B	N	1.0	N	N	N	10	N	10	N	5	N	150	15	V	15	V
4FR638C	N	2.0	N	30	N	10	N	10	N	5	N	150	20	N	20	V
4FR639A	N	1.00	1.00	30	N	10	N	30	N	7	N	300	30	N	20	V
4FR639B	3	3.0	15.00	N	N	10	<5	70	N	5	N	200	30	V	20	V
4FR640	3	5.0	1.00	70	N	10	N	20	N	10	N	300	70	N	30	V
4FR641	N	3.0	1.00	70	N	10	N	30	N	5	N	150	7	N	20	V
4FR644	5	3.0	7.00	30	N	10	N	10	N	7	7	200	30	N	30	<500
4FR646A	N	<1.0	1.00	N	N	10	N	30	N	V	N	150	7	N	15	V
4FR649	N	1.0	3.00	20	N	70	N	10	N	V	N	100	N	V	20	V
4FR650	N	2.0	N	30	N	10	N	15	N	7	N	300	30	V	30	V

sample	S-ZR	AA-AU-P
4FR589	70	N
4FR590	70	N
4FR592	150	N
4FR593A	70	N
4FR593B	70	N
4FR593C	150	N
4FR594	70	N
4FR595	70	N
4FR596	150	N
4FR597	70	N
4FR598A	30	N
4FR598B	70	N
4FR599A	100	N
4FR599B	70	N
4FR600	200	N
4FR601A	100	N
4FR601B	300	N
4FR601C	70	N
4FR601D	150	N
4FR601E	150	N
4FR601F	300	N
4FR603A	N	1.00
4FR603B	150	N
4FR606A	150	N
4FR606B	150	N
4FR608	300	N
4FR619	200	N
4FR620	150	N
4FR621	100	N
4FR622	200	N
4FR623A	150	N
4FR623B	70	N
4FR624B	150	N
4FR636	150	N
4FR638A	150	N
4FR638B	150	N
4FR638C	70	N
4FR639A	150	N
4FR639B	150	N
4FR640	150	N
4FR641	150	N
4FR644	150	.05
4FR646A	70	N
4FR649	150	N
4FR650	150	N

sample	LATITUDE	LONGITUD	S-FEZ	S-NGZ	S-CAZ	S-TIX	S-MN	S-A3	S-AS	S-B	S-BA	S-BE	S-3I
4FR651A	64 3 6	144 3 10	1.50	.300	2.000	.150	300	V	N	N	1,500	<5.0	V
4FR651B	64 3 6	144 3 10	15.00	.300	10.000	.070	5,000	30.0	N	N	30	N	V
4FR655	64 1 18	144 3 32	7.00	3.000	3.000	.300	700	N	N	N	700	N	V
4FR658	64 0 39	144 4 59	3.00	1.500	3.000	.300	200	V	N	N	1,500	<5.0	V
4FR659A	64 0 34	144 5 17	3.00	1.500	.700	.150	300	V	N	N	150	N	V
4FR659B	64 0 34	144 5 17	.70	.030	.150	.020	30	V	N	N	3,000	N	N
4FR665	64 1 29	144 12 17	2.00	.700	3.000	.200	500	V	N	N	700	<5.0	V
4FR666	64 1 51	144 15 24	1.50	.500	1.500	.200	300	N	N	N	1,500	<5.0	V
4FR675	64 3 59	144 20 44	2.00	.030	.030	.300	30	1.5	3,000	<20	700	N	V
4FR683	64 5 36	144 13 24	2.00	.700	2.000	.150	500	V	N	N	700	N	N
4FR685	64 4 35	144 14 30	1.50	.500	2.000	.150	500	V	N	N	700	N	V
4FR700	64 23 38	144 25 29	1.50	3.000	7.000	.300	1,000	N	N	N	500	N	V
4FR702	64 23 14	144 25 32	1.00	.070	.030	.010	150	V	N	30	150	<5.0	V
4FR706	64 22 14	144 25 5	3.00	.700	1.500	.300	300	V	N	N	1,500	<5.0	V
4FR719	64 21 44	144 18 47	.50	.150	.030	.070	30	15.0	3,000	<20	100	N	30
4FR748	64 0 24	145 20 9	1.50	.150	2.000	.200	500	V	N	15	500	5.0	V
4FR760	64 11 25	144 39 39	3.00	.150	10.000	.070	1,500	N	N	N	150	N	100
4FR766	64 7 10	144 6 20	.70	.030	.300	.015	150	N	N	<20	700	<5.0	N
4FR767A	64 7 8	144 5 54	1.50	.300	1.500	.150	300	V	N	N	1,000	N	N
4FR767B	64 7 8	144 5 54	.70	.030	.200	.015	300	N	N	N	300	N	V
4FR771A	64 2 14	144 0 29	3.00	.700	3.000	.300	500	V	N	N	700	<5.0	V
4FR771B	64 2 14	144 0 29	3.00	.700	3.000	.300	700	V	N	N	1,000	<5.0	N
4FR798	64 9 16	145 10 0	5.00	1.000	3.000	.700	700	N	N	N	1,500	<5.0	V
4FR803	64 28 18	144 28 19	3.00	1.000	3.000	.300	700	V	N	N	500	<5.0	V
4FR814	64 21 29	144 9 47	1.50	.300	1.000	.150	300	V	N	N	1,500	<5.0	V
4FR814B	64 21 29	144 9 47	7.00	3.000	3.000	.300	700	V	N	<20	1,000	N	N
4FR815	64 22 42	144 10 29	1.50	.300	1.500	.150	700	N	N	N	1,000	<5.0	V
4FR816	64 22 30	144 9 39	1.50	.300	1.500	.150	500	V	N	N	1,000	<5.0	V
4FR817	64 22 30	144 9 21	1.50	.300	.500	.150	300	N	N	<20	1,500	<5.0	V
4FR825A	64 10 2	145 2 49	7.00	1.500	3.000	.700	700	N	N	N	1,500	<5.0	N
4FR830A	64 11 36	145 1 59	3.00	.700	1.500	.300	300	V	N	N	2,000	<5.0	N
4FR835	64 14 49	145 17 20	3.00	2.000	3.000	.300	700	N	N	N	1,500	<5.0	N
4FR839	64 15 12	145 16 51	7.00	3.000	7.000	.300	700	V	N	30	1,500	<5.0	N
4WR100	64 15 2	144 51 23	3.00	2.000	3.000	.300	500	N	N	N	1,000	<5.0	N
4WR104	64 11 7	144 10 50	2.00	.700	2.000	.150	500	N	N	N	700	<5.0	V
4WR105	64 10 29	144 10 19	2.00	1.000	3.000	.200	500	V	N	N	200	<5.0	V
4WR106A	64 10 41	144 8 7	1.50	.700	1.000	.200	150	V	N	N	300	N	V
4WR110A	64 12 33	144 7 14	1.00	.200	.300	.100	700	V	N	10	500	<5.0	V
4WR110B	64 12 33	144 7 14	7.00	3.000	5.000	.300	700	N	N	N	70	<5.0	N
4WR125	64 8 56	144 23 57	3.00	1.000	.200	.150	300	V	N	10	300	<5.0	N
4WR129A	64 5 43	145 11 12	1.50	.500	1.000	.150	500	V	N	N	200	N	V
4WR129B	64 5 43	145 11 12	7.00	5.000	7.000	.700	1,000	V	N	N	15	N	N
4WR130A	64 5 12	145 11 18	5.00	3.000	5.000	.500	700	N	N	N	500	N	N
4WR131C	64 5 12	145 11 0	7.00	5.000	5.000	.500	700	N	N	N	100	N	N
4WR132	64 4 32	145 7 40	7.00	1.500	5.000	.700	700	V	N	N	700	<5.0	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZY
4FR651A	N	<1.0	1.00	70	N	10	N	20	N	5	N	300	N	N	30	N
4FR651B	N	7.0	700.00	N	10	5	N	N	N	V	30	7	50	N	30	V
4FR655	30	150.0	50.00	N	<10	70	70	10	N	30	N	300	150	N	30	V
4FR658	N	3.0	150.00	30	N	10	N	15	N	15	N	500	150	N	15	V
4FR659A	15	70.0	150.00	N	N	7	30	N	N	15	N	30	30	N	7	N
4FR659B	N	<1.0	10.00	20	20	15	N	10	N	N	N	150	5	N	15	V
4FR665	5	3.0	1.50	50	N	15	N	15	N	15	N	150	50	N	15	V
4FR666	3	3.0	.50	70	N	15	N	30	N	15	N	200	20	N	30	V
4FR675	N	30.0	3.00	70	N	15	N	15	N	7	N	50	30	N	50	N
4FR683	3	7.0	1.50	70	N	15	<5	30	N	7	N	200	30	N	30	V
4FR685	3	3.0	.50	30	N	15	<5	30	N	7	N	300	30	N	20	V
4FR700	15	150.0	50.00	N	N	N	7	N	N	30	N	300	500	N	20	V
4FR702	N	N	1.50	N	10	10	N	N	N	<5	10	30	N	N	30	N
4FR706	7	30.0	1.50	70	N	15	15	30	N	15	7	150	70	N	30	V
4FR719	N	2.0	50.00	N	N	10	N	700	N	N	N	15	7	N	N	V
4FR748	N	1.5	1.50	70	N	15	N	20	N	V	7	200	10	N	50	V
4FR760	7	30.0	7.00	N	N	N	10	300	N	15	150	1,500	150	N	15	N
4FR766	N	<1.0	1.50	N	N	10	N	30	N	5	N	70	N	N	30	V
4FR767A	N	1.0	N	30	N	15	N	30	N	7	N	300	30	N	15	V
4FR767B	N	1.5	.70	N	N	7	N	20	N	5	N	30	N	N	20	V
4FR771A	7	3.0	2.00	150	N	15	N	20	N	10	N	200	70	N	20	N
4FR771B	7	3.0	3.00	30	N	10	<5	20	N	7	N	200	70	N	15	V
4FR798	15	15.0	3.00	150	N	15	<5	20	N	15	N	700	70	V	50	V
4FR803	7	7.0	2.00	70	N	10	<5	20	N	15	N	300	100	N	20	V
4FR814	N	1.0	7.00	30	N	15	N	20	N	5	N	150	15	N	15	N
4FR814B	30	300.0	7.00	30	3	10	15	15	N	30	N	300	300	N	20	V
4FR815	N	3.0	1.50	70	N	15	N	20	N	7	N	150	30	N	30	N
4FR816	N	2.0	.50	70	N	15	N	20	N	7	N	150	20	N	30	V
4FR817	N	3.0	1.50	50	5	10	N	30	N	7	7	150	15	N	30	N
4FR825A	15	3.0	7.00	150	N	20	N	15	N	15	N	500	100	N	70	V
4FR830A	7	2.0	1.50	150	N	15	<5	30	N	7	N	300	30	N	30	V
4FR835	15	50.0	1.50	V	N	10	7	30	N	15	N	700	150	N	15	V
4FR839	20	100.0	15.00	N	N	N	5	10	N	30	N	200	150	N	20	N
4WR100	10	70.0	3.00	30	N	10	20	20	N	15	N	300	150	N	15	V
4WR104	3	7.0	1.00	30	N	10	<5	15	N	10	N	200	30	N	15	V
4WR105	7	10.0	1.50	50	N	7	7	10	N	15	N	200	70	N	15	V
4WR106A	5	30.0	.70	N	N	7	10	15	N	7	N	150	30	N	15	N
4WR110A	3	3.0	5.00	30	N	7	5	30	N	7	N	150	20	N	15	N
4WR110B	30	200.0	1.50	N	N	N	100	7	N	15	N	300	150	N	10	N
4WR125	5	50.0	15.00	30	N	N	7	15	N	7	N	100	50	N	15	V
4WR129A	10	30.0	10.00	N	N	N	15	N	N	5	N	50	20	N	15	V
4WR129B	50	200.0	15.00	N	N	N	150	7	N	30	N	300	300	N	30	N
4WR130A	20	30.0	7.00	30	N	N	15	7	N	30	N	700	200	N	30	N
4WR131C	30	300.0	5.00	N	N	N	150	7	N	30	N	300	200	V	20	V
4WR132	15	10.0	7.00	70	N	7	<5	10	N	20	N	500	150	N	50	N

sample	S-ZR	AA-AU-P
4FR651A	200	N
4FR651B	20	N
4FR655	30	N
4FR658	100	.80
4FR659A	30	N
4FR659B	70	.60
4FR665	150	N
4FR666	150	N
4FR675	300	1.10
4FR683	150	N
4FR685	150	N
4FR700	70	N
4FR702	70	N
4FR706	200	N
4FR719	70	.10
4FR748	300	N
4FR760	N	N
4FR766	50	N
4FR767A	150	N
4FR767B	30	N
4FR771A	200	N
4FR771B	150	N
4FR798	300	N
4FR803	100	N
4FR814	150	N
4FR814B	150	N
4FR815	200	N
4FR816	150	N
4FR817	150	N
4FR825A	300	N
4FR830A	300	N
4FR835	150	N
4FR839	70	N
4WR100	100	N
4WR104	150	N
4WR105	150	N
4WR106A	150	N
4WR110A	100	N
4WR110B	20	N
4WR125	150	N
4WR129A	150	N
4WR129B	70	N
4WR130A	200	N
4WR131C	70	N
4WR132	150	N

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AS	S-B	S-BA	S-BE	S-SI
4WR133	64 7 2	145 19 11	1.50	.500	.200	.150	150	N	N	200	N	V
4WR134	64 6 52	145 19 36	7.00	1.500	5.000	.700	700	N	N	1,500	<5.0	V
4WR135C	64 7 56	145 21 41	1.00	.300	.700	.100	300	N	50	300	N	N
4WR136	64 6 51	145 21 11	.70	.050	.500	.015	300	N	70	70	7.0	N
4WR141	64 4 59	144 38 21	3.00	1.500	.300	.200	500	N	50	300	<5.0	V
4WR141B	64 4 59	144 38 21	3.00	1.500	.150	.300	200	N	70	700	<5.0	N
4WR142B	64 5 8	144 35 39	2.00	.700	.200	.200	200	N	10	500	N	N
4WR143B	64 6 24	144 47 9	2.00	.500	.100	.100	150	N	N	200	N	N
4WR145A	64 7 11	144 44 14	3.00	1.500	7.000	.030	2,000	<.5	N	15	N	V
4WR146B	64 7 4	144 43 19	3.00	1.000	.200	.200	700	N	10	300	N	N
4WR147	64 6 48	144 42 16	2.00	1.000	.200	.200	150	N	50	500	N	V
4WR149B	64 6 42	144 49 46	2.00	.700	.300	.150	300	N	N	300	<5.0	N
4WR153C	64 19 42	144 50 47	7.00	5.000	5.000	.300	1,500	N	N	500	<5.0	V
4WR167	64 19 8	144 1 9	5.00	.150	.200	.200	500	N	30	500	<5.0	V
4WR167B	64 19 8	144 1 9	7.00	1.000	2.000	.200	500	N	N	1,000	N	N
4WR169A	64 18 57	144 5 41	1.00	.200	1.500	.100	300	N	N	700	N	V
4WR171A	64 19 27	144 5 31	1.00	.150	1.000	.100	300	N	N	700	N	V
4WR173B	64 19 11	144 13 14	1.50	.200	.700	.150	300	N	10	1,000	N	N
4WR175	64 19 42	144 13 0	.10	.015	<.010	.002	5	.5	N	50	N	N
4WR177C	64 20 3	144 13 0	1.00	.150	10.000	.150	200	N	N	30	N	V
4WR177D	64 20 3	144 13 0	1.00	.150	.500	.100	150	N	30	500	<5.0	V
4WR179A	64 20 26	144 12 44	.30	.050	.030	.020	50	V	10	150	N	N
4WR179B	64 20 26	144 12 44	.20	.010	<.010	.003	7	N	N	300	N	N
4WR179C	64 20 26	144 12 44	.50	.070	.030	.030	20	V	10	150	N	N
4WR179D	64 20 26	144 12 44	.70	.070	.015	.030	15	<.5	10	100	N	V
4WR180	64 21 5	144 12 29	1.50	.500	2.000	.150	500	N	N	700	<5.0	V
4WR180A	64 21 5	144 12 29	3.00	1.500	1.500	.200	700	V	N	1,000	<5.0	N
4WR180B	64 21 5	144 12 29	1.50	.300	1.500	.150	200	V	N	1,000	N	V
4WR180C	64 21 5	144 12 29	1.50	.500	1.000	.150	500	<.5	30	700	N	V
4WR180D	64 21 5	144 12 29	1.00	.200	.500	.150	300	V	20	500	N	N
4WR180E	64 21 5	144 12 29	.50	.050	.030	.015	20	<.5	15	100	N	N
4WR181A	64 21 6	144 13 45	.50	<.010	.020	.002	<5	.5	10	15	N	7
4WR181B	64 21 6	144 13 45	2.00	.050	<.010	.030	15	2.0	N	300	N	30
4WR181C	64 21 6	144 13 45	10.00	<.010	<.010	.005	<5	100.0	N	15	N	150
4WR181D	64 21 6	144 13 45	3.00	.300	.010	.150	30	10.0	30	300	N	10
4WR181E	64 21 6	144 13 45	2.00	.700	1.500	.200	200	V	20	500	N	N
4WR185	64 21 6	144 11 43	3.00	1.500	5.000	.300	700	V	N	500	N	V
4WR186B	64 21 20	144 11 52	.50	.030	.030	.020	15	N	10	50	N	V
4WR187	64 21 42	144 11 35	.50	.050	.700	.100	150	N	15	500	N	V
4WR189A	64 22 24	144 11 26	5.00	1.500	3.000	.300	700	V	N	1,000	N	V
4WR195B	64 24 50	144 9 47	3.00	1.500	3.000	.300	700	V	N	700	N	V
4WR198B	64 9 37	144 0 5	.70	.050	.700	.030	100	V	N	50	<5.0	V
4WR201B	64 10 54	144 0 32	1.50	.010	.100	.015	100	N	N	150	7.0	N
4WR202A	64 11 31	144 1 27	1.00	.050	.300	.030	300	V	N	150	N	V
4WR202B	64 11 31	144 1 27	3.00	.030	.100	.010	2,000	<.5	N	50	N	7

3ig Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZV
4WR133	3	20.0	20.00	N	N	N	7	N	N	5	N	30	20	N	10	N
4WR134	15	5.0	7.00	70	N	10	N	10	N	15	N	700	100	N	50	V
4WR135C	3	20.0	1.00	N	N	N	10	N	N	5	15	50	20	N	15	V
4WR136	N	1.0	3.00	N	N	15	N	20	N	<5	20	15	N	N	70	V
4WR141	10	70.0	30.00	30	N	7	30	15	N	15	N	150	70	N	70	N
4WR141B	7	70.0	20.00	50	N	7	15	20	N	20	N	200	100	N	30	V
4WR142B	3	50.0	15.00	30	N	7	15	15	N	10	N	100	70	N	20	V
4WR143B	3	15.0	15.00	V	N	N	7	7	N	7	N	30	15	N	15	V
4WR145A	N	7.0	20.00	N	N	N	<5	N	N	N	10	20	7	N	10	N
4WR146B	5	30.0	7.00	N	N	7	7	15	N	10	N	70	50	V	30	V
4WR147	5	30.0	15.00	30	V	7	7	20	N	5	N	150	50	N	N	V
4WR149B	7	30.0	15.00	N	N	N	20	10	N	7	N	100	30	N	15	V
4WR153C	20	300.0	1.50	30	N	10	300	N	N	30	N	150	200	N	30	V
4WR167	5	5.0	1.00	50	V	10	5	15	N	10	N	300	70	N	30	V
4WR167B	7	3.0	1.50	N	N	10	5	15	N	10	N	300	100	N	30	V
4WR169A	N	1.5	N	50	N	7	N	20	N	7	N	200	20	N	15	V
4WR171A	N	1.5	<1.00	30	N	10	N	15	N	7	N	150	20	N	30	V
4WR173B	N	1.5	1.50	30	N	10	N	20	N	7	N	300	30	N	20	N
4WR175	N	1.0	30.00	N	N	N	N	N	N	V	N	N	V	V	N	V
4WR177C	3	1.5	20.00	N	N	10	5	7	N	5	N	700	15	150	20	N
4WR177D	<3	1.0	2.00	N	N	15	N	30	N	7	N	150	20	N	50	N
4WR179A	N	1.5	3.00	N	N	N	N	7	N	V	N	2	7	N	N	V
4WR179B	N	<1.0	3.00	N	N	N	N	N	N	V	N	N	N	N	N	V
4WR179C	N	1.0	1.50	N	N	5	N	N	N	V	7	N	10	N	N	N
4WR179D	N	1.0	1.50	N	N	5	N	7	N	N	15	N	15	N	N	V
4WR180	3	1.5	1.50	N	N	7	N	20	N	10	N	200	30	N	30	V
4WR180A	15	70.0	50.00	30	N	5	50	30	N	15	N	200	70	N	30	V
4WR180B	N	2.0	.50	70	N	10	N	15	N	10	N	300	20	N	30	V
4WR180C	5	3.0	.70	N	N	15	N	15	N	10	N	150	30	N	20	N
4WR180D	3	2.0	.50	30	20	10	N	10	N	5	N	100	20	N	20	V
4WR180E	N	1.5	1.00	N	N	N	N	N	N	V	N	2	5	N	N	V
4WR181A	N	1.0	1.00	20	N	N	N	N	N	V	N	N	N	N	N	N
4WR181B	N	1.5	7.00	20	3	N	N	30	N	N	7	N	7	N	N	N
4WR181C	5	1.0	7.00	N	N	N	N	50	500	V	N	N	N	N	N	V
4WR181D	N	2.0	50.00	50	N	5	N	7	N	7	20	7	30	N	15	V
4WR181E	3	3.0	10.00	70	N	10	N	7	N	15	7	200	50	N	30	V
4WR185	10	3.0	7.00	50	N	7	N	N	N	20	N	200	70	N	20	N
4WR186B	N	1.0	N	N	N	N	N	N	100	V	N	5	N	N	N	V
4WR187	N	1.5	1.00	30	N	10	N	7	N	5	N	70	15	V	15	V
4WR189A	10	5.0	10.00	30	N	10	7	7	N	15	N	300	70	N	30	V
4WR195B	7	5.0	3.00	20	N	5	7	7	N	15	N	200	70	N	30	N
4WR198B	N	3.0	2.00	N	N	N	N	7	N	5	N	150	N	N	N	V
4WR201B	N	<1.0	1.50	N	5	20	N	20	N	7	N	15	N	N	50	V
4WR202A	N	<1.0	N	N	N	15	N	20	N	10	N	15	N	N	50	N
4WR202B	N	<1.0	3.00	N	N	15	N	N	N	7	30	N	N	70	50	V

sample	S-ZR	AA-AU-P
4WR133	150	N
4WR134	100	N
4WR135C	150	N
4WR136	50	N
4WR141	200	N
4WR141B	100	N
4WR142B	300	N
4WR143B	200	N
4WR145A	70	N
4WR146B	200	N
4WR147	300	N
4WR149B	150	N
4WR153C	150	N
4WR167	200	N
4WR167B	150	N
4WR169A	150	N
4WR171A	100	N
4WR173B	100	N
4WR175	N	N
4WR177C	15	N
4WR177D	50	N
4WR179A	20	.30
4WR179B	N	.10
4WR179C	30	.20
4WR179D	20	.15
4WR180	100	N
4WR180A	150	N
4WR180B	150	N
4WR180C	150	N
4WR180D	100	N
4WR180E	10	.30
4WR181A	N	.10
4WR181B	20	.30
4WR181C	N	4.00
4WR181D	70	1.50
4WR181E	150	.05
4WR185	150	N
4WR186B	15	1.00
4WR187	100	N
4WR189A	150	N
4WR195B	100	N
4WR198B	30	N
4WR201B	50	N
4WR202A	10	N
4WR202B	20	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AJ	S-AS	S-B	S-3A	S-BE	S-BI
4WR222	64 15 2	144 19 32	1.50	.300	.500	.150	100	V	N	10	1,000	5.0	V
4WR230	64 10 40	144 13 22	7.00	5.000	7.000	1.000	700	V	N	N	150	N	V
4WR255	64 11 44	144 8 35	1.50	.300	2.000	.100	200	V	N	N	500	<5.0	V
4WR262B	64 29 17	144 0 42	.70	.300	1.500	.100	50	N	N	N	1,500	N	N
4WR262C	64 29 17	144 0 42	5.00	3.000	20.000	.500	700	V	N	N	10	N	V
4WR263A	64 29 12	144 0 44	5.00	2.000	.700	.300	500	V	N	N	500	N	V
4WR266A	64 28 11	144 2 30	5.00	3.000	5.000	.200	700	V	N	N	100	<5.0	V
4WR267	64 28 18	144 2 54	1.00	.300	1.500	.100	100	N	N	N	700	<5.0	N
4WR269	64 28 36	144 4 17	3.00	1.500	5.000	.300	700	V	N	N	700	<5.0	N
4WR271	64 29 26	144 8 8	3.00	.300	2.000	.300	500	V	N	N	1,000	5.0	V
4WR272	64 28 45	144 7 53	2.00	.300	.200	.300	700	N	N	N	700	5.0	V
4WR274	64 24 34	144 0 7	3.00	1.500	.030	.300	300	V	N	N	300	N	N
4WR275	64 24 47	144 0 34	5.00	1.500	.015	.300	300	V	N	N	500	N	V
4WR282	64 5 8	145 6 33	5.00	1.000	3.000	.500	500	N	N	N	500	N	V
4WR291	64 9 5	145 25 40	.03	.030	.150	.007	5	V	N	N	30	N	V
4WR296A	64 10 40	145 25 45	7.00	.700	7.000	.100	3,000	N	N	N	50	<5.0	N
4WR333A	64 10 19	144 42 44	7.00	3.000	7.000	.700	1,000	V	N	N	200	N	V
4WR333B	64 10 19	144 42 44	7.00	5.000	7.000	.500	1,000	V	N	N	150	N	V
4WR352A	64 24 21	144 9 34	5.00	1.500	2.000	.300	700	V	N	N	700	N	V
4WR358C	64 7 6	144 49 14	.10	.030	.030	.010	7	N	N	N	30	N	N
4WR361	64 8 38	144 49 32	3.00	2.000	15.000	.200	1,000	V	N	N	30	N	7
4WR364A	64 8 7	145 6 44	7.00	1.500	7.000	>1.000	1,000	V	N	N	1,500	<5.0	V
4WR369A	64 7 40	145 9 12	5.00	1.000	15.000	.200	700	V	N	N	70	<5.0	V
4WR374A	64 15 50	145 0 24	.70	.200	.150	.070	150	N	N	N	500	N	N
4WR376B	64 15 15	145 3 15	5.00	3.000	7.000	1.000	700	N	N	N	100	N	V
4WR385	64 13 54	145 6 39	7.00	5.000	7.000	.700	700	V	N	N	500	<5.0	V
4WR400A	64 4 56	144 24 17	10.00	5.000	7.000	.700	1,000	V	N	N	50	N	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN
4WR222	N	1.5	7.00	70	N	30	N	10	N	<5	7	200	15	N	20	N
4WR230	30	15.0	7.00	N	N	10	30	N	N	30	N	150	200	N	30	N
4WR255	2	7.0	.50	N	N	N	N	20	N	10	N	150	30	N	10	V
4WR262B	N	3.0	5.00	N	N	N	N	70	N	5	N	500	15	N	15	N
4WR262C	20	150.0	N	30	N	15	50	N	N	20	15	150	100	N	30	N
4WR263A	10	70.0	30.00	50	20	15	30	15	N	20	N	150	100	N	30	V
4WR266A	15	150.0	10.00	N	N	N	30	7	N	30	N	150	100	N	20	V
4WR267	N	2.0	15.00	N	N	10	N	20	N	5	N	200	15	N	15	N
4WR269	7	15.0	3.00	20	N	5	5	10	N	20	N	300	150	N	30	V
4WR271	2	3.0	3.00	70	N	20	N	20	N	10	10	150	15	N	70	N
4WR272	3	2.0	5.00	20	N	15	N	20	N	7	7	70	15	N	30	V
4WR274	7	70.0	15.00	V	N	10	15	N	N	10	N	30	100	N	15	V
4WR275	5	100.0	15.00	100	N	10	10	10	N	20	N	50	150	N	30	N
4WR282	7	5.0	5.00	N	N	15	N	20	N	15	N	300	100	N	20	V
4WR291	N	1.0	.50	V	N	N	N	N	N	V	N	N	N	N	N	V
4WR296A	10	15.0	3.00	N	N	N	15	7	N	7	70	70	20	N	20	V
4WR333A	30	200.0	15.00	30	N	7	20	7	N	30	N	200	300	N	50	N
4WR333B	30	300.0	10.00	20	N	10	50	7	N	30	N	300	200	N	50	N
4WR352A	10	7.0	5.00	20	N	7	<5	N	N	15	N	200	100	N	20	V
4WR358C	N	<1.0	3.00	N	N	N	N	N	N	V	N	N	N	N	N	V
4WR361	7	30.0	5.00	70	N	N	7	50	N	10	50	500	100	N	30	N
4WR364A	15	1.0	7.00	70	N	20	N	10	N	20	N	500	100	N	70	V
4WR369A	5	50.0	3.00	30	N	N	5	30	N	20	15	1,000	150	V	50	V
4WR374A	N	<1.0	<.50	N	N	30	N	50	N	7	7	50	N	N	N	V
4WR376B	15	30.0	2.00	20	N	N	20	10	N	30	N	300	300	N	20	V
4WR385	20	300.0	15.00	30	V	15	150	7	N	20	N	300	150	N	50	V
4WR400A	30	200.0	.01	20	N	N	70	N	N	50	N	150	300	N	50	V

AA-AU-P

S-ZR

sample

4WR222	300	N
4WR230	20	N
4WR255	70	N
4WR262B	5	N
4WR262C	150	N
4WR263A	150	N
4WR266A	70	N
4WR267	70	N
4WR269	100	N
4WR271	300	N
4WR272	200	N
4WR274	150	N
4WR275	200	N
4WR282	70	N
4WR291	N	N
4WR296A	20	N
4WR333A	150	N
4WR333B	100	N
4WR352A	100	N
4WR358C	N	N
4WR361	100	N
4WR364A	200	N
4WR369A	50	N
4WR374A	50	N
4WR376B	70	N
4WR385	200	N
4WR400A	70	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-B	S-3A	S-BE	S-BI
4FR2346A	64 9 24	144 16 0	10.00	2.00	.50	.700	1,000	V	N	15	2,200	3.0	N
4FR2349	64 9 11	144 16 40	10.00	5.00	5.00	.700	1,500	N	N	<10	1,500	N	N
4FR2351A	64 9 6	144 17 4	20.00	7.00	10.00	1.000	1,500	N	N	<10	200	N	N
4FR2351B	64 9 6	144 17 4	15.00	3.00	10.00	1.000	1,500	V	N	10	700	1.0	N
4FR2394	64 12 7	145 18 23	15.00	10.00	.30	.050	1,500	N	N	20	70	N	N
4FR3002G	64 8 40	144 18 15	10.00	10.00	10.00	.050	700	N	N	<10	20	N	V
4FR3002H	64 8 40	144 18 15	15.00	7.00	10.00	.500	1,000	N	N	<10	70	N	N
4FR3008C	64 7 30	144 24 5	10.00	10.00	<.05	.005	1,000	N	N	<10	50	N	V
4FR3008D	64 7 30	144 24 5	10.00	10.00	<.05	.007	1,000	N	N	<10	70	N	V
4FR3009A	64 7 35	144 23 57	20.00	3.00	10.00	>1.000	2,000	V	N	<10	100	3.0	N
4FR3009B	64 7 35	144 23 57	15.00	3.00	7.00	1.000	2,000	N	N	<10	150	N	N
4FR3034	64 16 56	144 45 0	15.00	7.00	7.00	.500	1,500	N	N	<10	300	N	V
4FR3035	64 16 59	144 45 0	10.00	7.00	10.00	.300	1,000	N	N	<10	300	N	V
4FR3041B	64 20 25	144 50 4	10.00	10.00	1.00	.030	1,000	N	N	<10	70	N	V
4FR3088C	64 10 9	144 16 6	5.00	7.00	.05	<.002	500	N	N	<10	20	N	N
4FR3089A	64 10 36	144 16 40	10.00	10.00	<.05	<.002	1,000	N	N	100	20	N	V
4FR3089B	64 10 36	144 16 40	3.00	3.00	.05	.002	300	N	N	<10	20	N	V
4FR3090A	64 10 32	144 17 12	15.00	10.00	.50	.020	1,000	V	N	<10	50	N	V
4FR3091A	64 10 19	144 18 29	10.00	10.00	.50	.010	700	N	N	<10	20	N	N
4FR3092A	64 10 14	144 19 5	15.00	3.00	5.00	1.000	1,500	N	N	<10	500	3.0	V
4FR3107	64 9 10	144 16 59	10.00	5.00	10.00	.500	500	N	N	<10	150	N	N
4FR3108A	64 11 4	144 17 49	10.00	10.00	<.05	.005	1,000	V	N	50	20	N	V
4FR3110B	64 10 22	144 15 55	15.00	5.00	7.00	1.000	1,500	N	N	<10	100	N	N
4FR3207	64 6 55	144 38 9	10.00	10.00	7.00	.100	1,500	N	N	<10	50	N	N
4FR540B	64 6 48	144 21 57	10.00	10.00	1.00	.010	1,000	N	N	<10	50	N	N
4FR591	64 16 9	144 5 17	15.00	3.00	7.00	1.000	1,500	N	N	10	500	N	V
4FR616	64 21 24	144 12 15	.30	.10	.10	.015	10	1.0	1,500	10	70	2.0	N
4FR670A	64 3 5	144 17 36	10.00	10.00	2.00	.005	700	N	N	20	50	N	V
4FR670C	64 3 5	144 17 36	10.00	10.00	.50	.010	1,000	N	N	<10	50	N	V
4FR677A	64 3 20	144 21 38	10.00	10.00	2.00	.010	1,500	N	N	<10	50	N	N
4FR677B	64 3 20	144 21 38	10.00	7.00	<.05	.100	1,000	N	N	<10	50	N	N
4FR687A	64 4 2	144 16 19	15.00	7.00	3.00	.300	1,500	N	N	<10	70	N	N
4FR687B	64 4 2	144 16 19	5.00	7.00	15.00	.500	1,000	N	N	<10	50	N	V
4FR784	64 9 20	144 57 29	15.00	10.00	.05	.010	1,500	N	N	50	50	N	V
4FR785	64 8 59	144 58 29	15.00	10.00	.20	.002	1,000	N	N	<10	50	N	N
4FR862	64 14 43	145 19 47	10.00	2.00	5.00	.700	1,500	V	N	70	1,000	N	V
4WR0199	64 10 5	144 0 15	---	---	---	---	---	N	N	20	200	1.0	V
4WR199B	64 10 5	144 0 15	>20.00	1.50	20.00	.200	>5,000	N	N	70	150	1.0	V
4WR372B	64 16 22	145 0 10	10.00	10.00	1.00	.020	1,000	N	N	<10	50	N	V
5FR0050A	64 44 48	145 48 55	15.00	10.00	.50	.020	700	N	N	<10	20	N	N
5FR0050D	64 44 48	145 48 55	10.00	3.00	3.00	.500	700	N	N	<10	50	N	N
5FR0051	64 44 45	145 49 18	15.00	10.00	1.00	.010	700	N	N	<10	20	N	V
5FR0053	64 44 35	145 49 29	15.00	10.00	1.00	.015	700	V	N	<10	20	N	V
5FR0054	64 44 50	145 49 40	15.00	5.00	3.00	.500	700	N	N	<10	30	N	V
5FR0055	64 44 53	145 49 51	10.00	10.00	1.00	.010	700	V	N	<10	20	N	V

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y
4FR2346A	30	150	<5	100	N	N	70	30	V	20	N	100	200	V	30
4FR2349	30	700	30	N	N	N	150	10	N	30	N	500	300	V	20
4FR2351A	70	700	15	N	N	N	150	N	N	30	N	200	500	V	20
4FR2351B	50	500	70	N	N	N	70	N	N	50	N	200	200	V	50
4FR2394	200	>5,000	70	N	N	N	3,000	N	N	10	N	V	30	V	N
4FR3002G	100	1,500	100	N	N	N	1,500	N	V	30	N	100	70	N	N
4FR3002H	70	1,000	15	N	N	N	500	N	V	70	N	100	70	V	10
4FR3008C	300	5,000	7	N	N	N	3,000	N	N	5	N	V	20	V	V
4FR3008D	300	2,000	7	N	N	N	2,000	N	N	5	N	V	10	V	V
4FR3009A	70	700	<5	N	N	N	100	N	N	70	N	200	500	N	70
4FR3009B	70	150	100	N	N	N	70	N	N	70	N	200	300	V	30
4FR3034	70	2,000	7	N	N	N	500	N	N	30	N	300	200	V	20
4FR3035	50	2,000	100	N	N	N	200	N	V	50	N	300	200	V	20
4FR3041B	100	5,000	<5	N	N	N	1,500	N	N	15	N	N	70	N	N
4FR3088C	100	1,000	<5	N	N	N	1,500	N	N	5	N	N	15	V	V
4FR3089A	200	2,000	5	N	N	N	2,000	N	N	5	N	V	10	V	N
4FR3089B	100	5,000	7	N	N	N	1,500	15	N	5	N	N	15	V	N
4FR3090A	200	5,000	300	N	N	N	2,000	N	N	10	N	N	30	N	N
4FR3091A	150	5,000	15	N	N	N	2,000	N	N	10	N	N	30	V	N
4FR3092A	70	150	20	N	N	N	100	30	N	50	N	700	300	V	30
4FR3107	50	1,000	20	N	N	N	200	N	V	30	N	300	150	V	N
4FR3108A	200	2,000	15	N	N	N	2,000	N	V	10	N	N	30	N	N
4FR3110B	70	100	50	N	N	N	70	10	N	50	N	300	500	V	20
4FR3207	100	>5,000	15	N	N	N	1,500	N	N	5	N	V	30	V	N
4FR540B	150	5,000	7	N	N	N	2,000	N	N	15	N	V	50	V	N
4FR591	30	50	7	N	N	N	30	N	N	50	N	500	1,000	N	30
4FR616	N	N	20	200	N	N	10	200	>10,000	N	N	N	10	V	N
4FR670A	200	>5,000	<5	N	N	N	3,000	N	N	15	N	V	70	V	N
4FR670C	200	>5,000	15	N	N	N	3,000	N	N	15	N	N	70	150	V
4FR677A	200	>5,000	15	N	N	N	3,000	N	V	15	N	N	50	N	N
4FR677B	150	>5,000	70	N	N	N	2,000	N	N	10	N	V	100	V	N
4FR687A	200	3,000	7	N	N	N	1,000	N	N	15	N	N	100	V	N
4FR687B	70	2,000	100	N	N	N	300	10	V	50	N	300	500	V	N
4FR784	200	5,000	7	N	N	N	2,000	N	N	15	N	N	70	N	N
4FR785	200	5,000	<5	N	N	N	2,000	N	N	10	N	N	30	V	V
4FR862	20	N	<5	N	N	N	30	10	V	30	N	500	200	V	30
4WR0199	N	N	N	--	N	N	5	15	N	--	N	V	10	V	--
4WR199B	70	20	<5	N	N	N	10	N	N	5	N	200	20	N	20
4WR372B	150	3,000	10	N	N	N	2,000	N	V	15	N	N	70	N	N
5FR0050A	100	5,000	15	N	N	N	2,000	N	N	15	N	<100	70	V	N
5FR0050D	50	300	70	N	N	N	70	30	V	20	N	<100	200	V	15
5FR0051	100	3,000	15	N	N	N	1,000	N	V	15	N	<100	50	N	N
5FR0053	100	3,000	20	N	N	N	1,000	N	N	15	N	<100	50	V	N
5FR0054	50	300	50	N	N	N	70	N	V	50	N	<100	150	N	50
5FR0055	100	3,000	15	N	N	N	1,000	N	V	15	N	<100	100	V	V

sample	S-ZN	S-ZR	AA-AU-P
4FR2346A	200	100	--
4FR2349	200	70	--
4FR2351A	200	70	--
4FR2351B	N	70	--
4FR2394	N	N	--
4FR3002G	N	300	--
4FR3002H	N	N	--
4FR3008C	N	N	--
4FR3008D	N	N	--
4FR3009A	<200	150	--
4FR3009B	N	100	--
4FR3034	N	50	--
4FR3035	N	70	--
4FR3041B	N	N	--
4FR3088C	N	N	--
4FR3089A	N	N	--
4FR3089B	N	N	--
4FR3090A	N	N	--
4FR3091A	N	N	--
4FR3092A	N	100	--
4FR3107	N	20	--
4FR3108A	N	N	--
4FR3110B	N	30	--
4FR3207	N	N	--
4FR540B	N	N	--
4FR591	N	100	--
4FR616	300	20	--
4FR670A	N	N	--
4FR670C	N	N	--
4FR677A	N	N	--
4FR677B	N	N	--
4FR687A	300	20	--
4FR687B	N	20	--
4FR784	N	N	--
4FR785	N	N	--
4FR862	N	100	--
4WR0199	N	100	N
4WR199B	<200	70	--
4WR372B	N	N	--
5FR0050A	N	<10	--
5FR0050D	N	50	--
5FR0051	N	<10	--
5FR0053	N	<10	--
5FR0054	N	70	--
5FR0055	N	<10	--

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEZ	S-MGX	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-B	S-3A	S-BE	S-BI
SFR0112A	64 33 45	144 49 24	5.00	1.00	.30	.300	500	N	N	50	700	3.0	N
SFR0113	64 33 25	144 49 20	--	--	--	--	--	N	N	50	700	7.0	N
SFR0118A	64 26 26	144 50 54	7.00	2.00	5.00	.300	1,000	N	N	20	2,000	2.0	N
SFR0121	64 26 57	144 50 59	10.00	2.00	2.00	.500	700	N	N	10	500	2.0	N
SFR0122	64 27 7	144 51 24	--	--	--	--	--	N	N	10	700	3.0	N
SFR0123B	64 25 6	144 29 48	7.00	1.50	5.00	.500	500	N	N	20	700	N	N
SFR0125B	64 24 56	144 30 14	1.00	.20	.50	.050	200	N	N	30	500	2.0	N
SFR0128A	64 24 52	144 32 8	10.00	2.00	1.50	.500	700	N	N	20	2,000	1.0	N
SFR0129	64 24 6	144 32 16	--	--	--	--	--	N	N	20	700	3.0	N
SFR0130A	64 24 55	144 33 11	--	--	--	--	--	N	N	150	300	2.0	N
SFR0131B	64 25 4	144 33 52	15.00	3.00	<.05	.500	500	N	N	150	2,000	N	N
SFR0131C	64 25 4	144 33 52	3.00	.70	1.50	.150	300	N	N	20	1,500	1.0	N
SFR0132D	64 25 14	144 34 23	15.00	2.00	5.00	.700	700	N	N	10	1,500	2.0	N
SFR0133A	64 25 22	144 34 37	10.00	2.00	.05	.700	300	N	N	20	700	N	N
SFR0133B	64 25 22	144 34 37	10.00	1.50	.20	.500	300	N	N	100	700	2.0	N
SFR0133C	64 25 22	144 34 37	--	--	--	--	--	N	N	30	700	1.0	N
SFR0134D	64 25 27	144 35 18	5.00	1.00	3.00	.300	700	N	N	10	1,000	1.0	N
SFR0135C	64 25 24	144 35 38	--	--	--	--	--	N	N	30	700	1.0	N
SFR0135J	64 25 24	144 35 48	10.00	1.50	.30	.500	500	N	N	20	1,500	1.0	N
SFR0136A	64 25 23	144 35 54	10.00	1.50	.30	.300	300	N	N	30	700	2.0	N
SFR0136B	64 25 23	144 35 54	--	--	--	--	--	N	N	10	700	<1.0	N
SFR0136C	64 25 23	144 35 54	2.00	.50	<.05	.100	30	.5	500	500	700	1.0	N
SFR0136D	64 25 23	144 35 54	--	--	--	--	--	.5	500	150	700	2.0	10
SFR0136H	64 25 23	144 35 54	--	--	--	--	--	N	N	30	700	3.0	10
SFR0136I	64 25 23	144 35 54	--	--	--	--	--	.5	200	30	700	3.0	<10
SFR0136J	64 25 23	144 35 54	--	--	--	--	--	N	N	30	700	3.0	10
SFR0136K	64 25 23	144 35 54	3.00	.20	<.05	.050	20	2.0	7,000	300	300	1.0	20
SFR0136L	64 25 23	144 35 54	3.00	.50	<.05	.070	20	7.0	10,000	150	500	3.0	30
SFR0136M	64 25 23	144 35 54	3.00	.20	<.05	.070	50	.5	10,000	100	300	1.0	<10
SFR0138A	64 25 27	144 36 32	--	--	--	--	--	N	N	50	1,500	<1.0	N
SFR0139	64 25 32	144 42 57	3.00	1.00	<.05	.200	150	N	N	20	700	1.0	N
SFR0142B	64 25 5	144 42 32	10.00	2.00	5.00	.300	700	N	N	10	1,500	2.0	N
SFR0147A	64 25 13	144 40 38	--	--	--	--	--	N	N	50	700	3.0	N
SFR0148	64 25 14	144 40 31	--	--	--	--	--	N	N	30	200	5.0	N
SFR0151A	64 25 27	144 41 8	15.00	3.00	.15	.700	700	N	N	100	1,500	3.0	N
SFR0152J	64 24 24	144 43 41	10.00	1.00	3.00	.500	500	N	N	20	700	3.0	N
SFR0155A	64 25 0	144 43 45	--	--	--	--	--	N	N	70	1,000	5.0	N
SFR0165	64 22 14	144 28 29	--	--	--	--	--	N	N	20	700	1.0	N
SFR0166B	64 22 9	144 28 29	10.00	.70	.30	.500	500	N	N	70	500	3.0	N
SFR0175	64 26 9	144 39 29	--	--	--	--	--	N	N	20	1,500	1.0	N
SFR0176	64 26 17	144 39 30	--	--	--	--	--	N	N	<10	1,000	1.0	N
SFR0182B	64 27 28	144 41 30	--	--	--	--	--	N	N	<10	700	2.0	N
SFR0191	64 25 17	144 55 0	3.00	.70	2.00	.200	300	N	N	10	1,500	1.0	N
SFR0200A	64 25 15	144 52 10	15.00	3.00	3.00	.500	700	N	N	10	2,000	2.0	N
SFR0202B	64 24 42	144 52 59	2.00	.70	.20	.150	150	N	500	300	300	3.0	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y
SFR0112A	15	70	--	100	N	N	30	20	N	15	N	500	100	V	30
SFR0113	10	50	50	--	N	<20	20	30	V	--	N	200	100	V	--
SFR0118A	15	N	--	N	N	N	10	30	V	20	N	200	100	V	20
SFR0121	15	100	30	N	N	N	50	10	N	15	N	200	100	V	10
SFR0122	15	70	20	--	N	<20	30	10	N	--	N	100	150	N	--
SFR0123B	10	N	--	70	N	N	10	20	V	20	N	300	150	V	30
SFR0125B	15	N	--	N	N	N	10	30	N	5	<10	100	10	V	15
SFR0128A	20	150	--	20	N	100	70	30	V	20	20	300	150	V	30
SFR0129	N	N	5	--	N	<20	5	30	V	--	N	100	20	N	--
SFR0130A	10	20	30	--	N	20	15	10	V	--	N	100	150	V	--
SFR0131B	15	300	--	70	N	N	30	20	V	30	10	100	200	V	20
SFR0131C	10	N	--	50	N	N	15	30	N	10	N	300	30	V	20
SFR0132D	30	100	--	50	N	N	30	10	N	30	30	700	200	N	20
SFR0133A	5	150	50	20	N	N	15	10	V	15	N	N	150	V	10
SFR0133B	15	150	--	50	N	N	20	10	N	20	N	100	150	V	20
SFR0133C	5	100	50	--	N	20	5	10	N	--	N	N	200	V	--
SFR0134D	15	N	--	20	20	N	10	15	N	20	N	300	100	N	30
SFR0135C	15	70	30	--	N	<20	30	10	N	--	N	100	150	V	--
SFR0135J	15	150	--	20	N	N	30	30	N	15	N	200	150	V	50
SFR0136A	15	150	--	150	N	N	70	20	V	15	N	200	150	V	30
SFR0136B	30	N	30	--	N	<20	70	10	N	--	N	200	150	V	--
SFR0136C	10	N	--	70	N	N	10	N	N	5	70	100	10	V	70
SFR0136D	N	N	70	--	N	20	10	20	N	--	20	V	20	V	--
SFR0136H	30	N	150	--	N	<20	50	30	V	--	N	N	20	V	--
SFR0136I	N	N	30	--	N	<20	10	30	N	--	20	N	20	N	--
SFR0136J	30	N	70	--	N	<20	70	30	V	--	N	100	20	V	--
SFR0136K	5	N	30	N	N	N	5	50	N	V	30	N	20	V	V
SFR0136L	10	N	300	N	N	N	5	50	100	5	70	N	20	N	10
SFR0136M	10	N	200	N	N	N	5	10	V	N	70	N	20	N	10
SFR0138A	15	70	100	--	N	<20	20	15	N	--	N	200	200	N	--
SFR0139	5	70	30	N	N	N	5	10	V	10	N	200	70	N	N
SFR0142B	20	20	--	20	N	N	10	20	N	30	N	500	100	V	30
SFR0147A	50	50	30	--	N	<20	30	30	N	--	N	200	150	N	--
SFR0148	N	N	<5	--	N	20	5	50	V	--	15	N	10	V	--
SFR0151A	30	300	--	70	N	50	100	30	N	50	N	100	200	V	20
SFR0152J	15	70	--	30	N	N	30	20	N	15	N	500	100	V	20
SFR0155A	30	150	5	--	N	<20	70	<10	V	--	N	100	150	N	--
SFR0165	30	100	20	--	N	<20	70	20	N	--	N	100	150	V	--
SFR0166B	10	70	30	100	N	70	30	30	N	15	N	V	100	V	30
SFR0175	30	150	100	--	N	<20	70	50	V	--	N	150	200	V	--
SFR0176	10	N	5	--	5	20	N	20	N	--	N	150	70	V	--
SFR0182B	10	10	7	--	N	<20	5	20	N	--	N	200	150	V	--
SFR0191	10	N	--	50	N	N	5	20	N	10	N	300	50	V	20
SFR0200A	20	100	--	N	N	N	30	30	N	30	N	300	200	V	30
SFR0202B	5	15	30	20	N	N	30	20	N	5	N	N	30	N	10

sample	S-ZN	S-ZR	AA-AU-P
SFR0112A	N	300	N
SFR0113	N	200	N
SFR0118A	N	150	N
SFR0121	N	300	N
SFR0122	N	150	N
SFR0123B	N	300	N
SFR0125B	N	70	N
SFR0128A	N	300	N
SFR0129	N	150	N
SFR0130A	N	150	N
SFR0131B	N	200	N
SFR0131C	N	150	N
SFR0132D	N	200	N
SFR0133A	N	150	N
SFR0133B	N	300	N
SFR0133C	N	300	N
SFR0134D	N	300	N
SFR0135C	N	200	N
SFR0135J	N	500	N
SFR0136A	N	300	N
SFR0136B	N	200	N
SFR0136C	N	150	.10
SFR0136D	N	150	<.05
SFR0136H	N	150	.35
SFR0136I	N	200	N
SFR0136J	N	150	.10
SFR0136K	N	50	1.00
SFR0136L	N	100	1.00
SFR0136M	N	70	.05
SFR0138A	N	300	N
SFR0139	N	200	N
SFR0142B	N	150	.10
SFR0147A	N	300	N
SFR0148	N	200	N
SFR0151A	N	300	.10
SFR0152J	N	300	.10
SFR0155A	N	200	<.05
SFR0165	N	200	N
SFR0166B	N	300	N
SFR0175	N	300	N
SFR0176	N	200	N
SFR0182B	N	150	N
SFR0191	N	200	.10
SFR0200A	N	100	.10
SFR0202B	N	200	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AS	S-B	S-3A	S-BE	S-3I
SFR0216	64 34 54	144 46 54	--	--	--	--	--	N	20	700	3.0	N
SFR0217	64 34 54	144 47 18	--	--	--	--	--	N	20	300	1.0	N
SFR0218A	64 35 0	144 47 44	--	--	--	--	--	N	30	700	2.0	N
SFR0218B	64 35 0	144 47 44	--	--	--	--	--	N	10	700	1.0	N
SFR0220	64 35 9	144 48 10	--	--	--	--	--	N	20	500	2.0	N
SFR0221A	64 35 22	144 48 42	--	--	--	--	--	N	<10	1,000	1.0	V
SFR0221B	64 35 22	144 48 42	--	--	--	--	--	N	15	700	1.0	N
SFR0222	64 18 28	144 49 9	--	--	--	--	--	N	<10	700	1.0	V
SFR0223C	64 35 40	144 49 24	--	--	--	--	--	N	<10	1,000	1.0	N
SFR0231A	64 36 5	144 52 31	--	--	--	--	--	N	30	500	1.0	N
SFR0231C	64 36 5	144 52 31	--	--	--	--	--	N	10	700	N	V
SFR0235	64 33 25	144 45 47	--	--	--	--	--	N	30	300	N	V
SFR0236A	64 33 20	144 45 47	--	--	--	--	--	N	<10	1,000	1.0	N
SFR0245	64 31 13	144 45 25	--	--	--	--	--	N	200	300	1.0	V
SFR0248	64 33 39	144 47 30	--	--	--	--	--	N	10	700	2.0	N
SFR0263	64 38 23	144 37 20	--	--	--	--	--	N	<10	N	N	V
SFR0271	64 34 0	144 26 31	--	--	--	--	--	N	10	300	7.0	N
SFR0272	64 33 56	144 25 56	--	--	--	--	--	N	20	20	5.0	V
SFR0273B	64 33 42	144 25 2	--	--	--	--	--	N	10	150	7.0	V
SFR0292A	64 40 9	144 22 59	--	--	--	--	--	N	10	N	N	V
SFR0292B	64 40 9	144 22 59	--	--	--	--	--	N	50	700	3.0	N
SFR0293D	64 40 14	144 23 9	--	--	--	--	50.0	N	10	1,500	70.0	30
SFR0293F	64 40 14	144 23 9	--	--	--	--	20.0	N	10	1,000	3.0	<10
SFR0295C	64 40 29	144 23 25	--	--	--	--	--	N	10	700	<1.0	N
SFR0302A	64 39 10	144 22 0	--	--	--	--	--	N	10	500	<1.0	N
SFR0302C	64 39 10	144 22 0	--	--	--	--	--	N	30	700	1.0	V
SFR0316A	64 39 43	144 15 39	--	--	--	--	--	N	10	300	1.0	N
SFR0316B	64 39 43	144 15 39	--	--	--	--	--	N	10	300	1.0	N
SFR0322	64 35 16	144 26 59	--	--	--	--	--	N	<10	100	N	N
SFR0323	64 35 30	144 26 49	--	--	--	--	--	N	10	500	2.0	N
SFR0324A	64 35 35	144 28 58	--	--	--	--	--	N	15	700	3.0	N
SFR0324B	64 35 35	144 25 58	--	--	--	--	--	N	50	300	2.0	V
SFR0325F	64 35 41	144 24 50	--	--	--	--	--	N	20	1,000	3.0	N
SFR0326	64 35 44	144 21 24	--	--	--	--	--	N	30	700	2.0	V
SFR0336C	64 36 56	144 20 8	--	--	--	--	--	N	30	700	3.0	N
SFR0345	64 35 2	144 23 8	--	--	--	--	--	N	10	1,500	2.0	N
SFR0348B	64 34 47	144 22 32	--	--	--	--	--	N	10	500	1.0	N
SFR0349	64 34 40	144 22 45	--	--	--	--	--	N	10	700	1.0	N
SFR0350C	64 34 32	144 22 47	--	--	--	--	--	N	<10	300	1.0	N
SFR0350D	64 34 32	144 22 47	--	--	--	--	--	N	N	200	2.0	V
SFR0358D	64 36 21	144 18 11	--	--	--	--	--	N	15	300	N	N
SFR0365A	64 49 29	145 2 53	--	--	--	--	--	N	15	1,500	<1.0	N
SFR0365B	64 49 29	145 2 53	--	--	--	--	--	N	15	200	N	N
SFR0373	64 39 47	144 6 47	--	--	--	--	--	N	10	150	N	N
SFR0374	64 39 57	144 6 51	--	--	--	--	--	N	10	20	15.0	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-D	S-Y
SFR0216	10	150	50	--	N	20	15	30	N	--	N	V	150	V	--
SFR0217	20	70	30	--	N	N	30	20	N	--	N	N	100	N	--
SFR0218A	30	150	70	--	N	50	50	30	N	--	N	200	150	N	--
SFR0218B	10	10	<5	--	N	<20	20	30	N	--	N	200	50	V	--
SFR0220	5	20	30	--	N	50	20	20	N	--	N	200	100	V	--
SFR0221A	15	20	20	--	N	<20	20	30	V	--	N	200	100	V	--
SFR0221B	5	100	30	--	N	N	20	30	N	--	N	N	150	V	--
SFR0222	10	20	15	--	N	<20	20	20	V	--	N	150	100	V	--
SFR0223C	15	20	10	--	N	<20	20	30	V	--	N	200	100	V	--
SFR0231A	5	50	30	--	N	N	10	30	N	--	N	V	70	V	--
SFR0231C	10	70	30	--	N	<20	10	10	N	--	N	100	150	N	--
SFR0235	5	70	5	--	N	N	20	20	V	--	N	V	70	V	--
SFR0236A	10	10	5	--	N	<20	5	20	V	--	N	500	150	V	--
SFR0245	10	50	20	--	N	<20	50	20	V	--	N	200	100	V	--
SFR0248	20	70	20	--	N	20	50	20	N	--	N	100	100	N	--
SFR0263	10	N	30	--	N	<20	30	N	N	--	N	N	10	N	--
SFR0271	N	N	5	--	N	<20	5	70	V	--	10	100	10	V	--
SFR0272	10	N	20	--	N	N	10	30	V	--	N	V	20	V	--
SFR0273B	15	N	5	--	N	<20	30	30	100	--	N	N	10	V	--
SFR0292A	5	N	<5	--	N	N	5	10	V	--	N	N	10	N	--
SFR0292B	5	15	15	--	N	N	5	20	N	--	N	100	70	V	--
SFR0293D	30	N	20,000	--	30	N	10	20,000	N	--	N	100	20	V	--
SFR0293F	10	N	1,500	--	N	N	5	20,000	N	--	N	N	30	N	--
SFR0295C	N	50	5	--	N	<20	10	30	N	--	N	100	100	V	--
SFR0302A	70	10	70	--	N	30	70	<10	V	--	N	700	300	V	--
SFR0302C	20	100	30	--	N	<20	50	<10	V	--	N	100	100	N	--
SFR0316A	10	50	50	--	N	N	20	50	N	--	N	100	70	V	--
SFR0316B	5	50	70	--	N	N	20	70	V	--	N	100	70	N	--
SFR0322	N	N	15	--	N	N	10	<10	V	--	N	V	20	V	--
SFR0323	30	100	30	--	N	N	15	50	N	--	N	200	200	N	--
SFR0324A	10	30	30	--	N	N	20	20	N	--	N	100	50	N	--
SFR0324B	15	70	30	--	N	N	30	30	N	--	N	V	100	V	--
SFR0325F	10	100	30	--	V	N	15	70	N	--	N	100	100	V	--
SFR0326	10	200	30	--	N	N	10	50	N	--	N	V	150	V	--
SFR0336C	10	100	30	--	N	50	30	30	N	--	N	100	100	N	--
SFR0345	10	50	5	--	N	<20	20	50	N	--	N	100	100	V	--
SFR0348B	5	30	10	--	N	<20	10	10	N	--	N	N	100	V	--
SFR0349	15	50	10	--	N	<20	30	10	V	--	N	V	100	N	--
SFR0350C	15	30	<5	--	N	<20	20	<10	N	--	N	N	100	N	--
SFR0350D	30	300	30	--	N	N	70	10	N	--	N	500	100	V	--
SFR0358D	70	500	30	--	N	N	100	20	N	--	N	300	300	V	--
SFR0365A	10	20	50	--	N	<20	30	N	N	--	N	N	200	V	--
SFR0365B	70	150	70	--	N	N	70	N	N	--	N	100	500	N	--
SFR0373	5	30	5	--	N	N	15	10	N	--	N	N	70	V	--
SFR0374	5	N	10	--	N	150	5	30	V	--	<10	N	10	V	--

sample	S-ZN	S-ZR	AA-AU-P
5FR0216	N	150	N
5FR0217	N	200	N
5FR0218A	N	200	N
5FR0218B	N	150	N
5FR0220	N	150	N
5FR0221A	N	200	N
5FR0221B	N	200	N
5FR0222	N	300	N
5FR0223C	N	200	N
5FR0231A	N	150	N
5FR0231C	N	500	N
5FR0235	N	150	.05
5FR0236A	N	200	N
5FR0245	N	300	N
5FR0248	N	200	N
5FR0263	N	10	N
5FR0271	N	100	N
5FR0272	2,000	20	N
5FR0273B	N	20	N
5FR0292A	N	N	N
5FR0292B	N	150	N
5FR0293D	>10,000	70	N
5FR0293F	7,000	100	N
5FR0295C	N	500	N
5FR0302A	200	200	N
5FR0302C	N	300	N
5FR0316A	N	150	.05
5FR0316B	N	200	N
5FR0322	N	10	N
5FR0323	N	150	N
5FR0324A	N	200	N
5FR0324B	N	200	N
5FR0325F	N	200	N
5FR0326	N	100	N
5FR0336C	N	200	N
5FR0345	N	200	N
5FR0348B	N	200	N
5FR0349	N	300	N
5FR0350C	N	500	N
5FR0350D	N	30	N
5FR0358D	N	150	N
5FR0365A	N	100	N
5FR0365B	N	150	N
5FR0373	N	10	N
5FR0374	N	150	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AS	S-B	S-3A	S-BE	S-3I
SFR0380B	64 40 36	144 8 45	--	--	--	--	--	N	10	50	10.0	N
SFR0380C	64 40 36	144 8 45	10.00	1.50	.20	.500	700	N	10	300	7.0	V
SFR0381	64 40 42	144 9 50	--	--	--	--	--	N	50	100	2.0	N
SFR0381B	64 40 42	144 9 50	--	--	--	--	--	N	N	150	N	N
SFR0382B	64 40 47	144 10 2	15.00	10.00	.05	.010	500	N	20	70	N	V
SFR0385A	64 42 17	144 12 32	--	--	--	--	--	N	20	300	N	V
SFR0385B	64 42 17	144 12 32	--	--	--	--	--	N	10	700	N	N
SFR0396D	64 58 13	144 14 44	--	--	--	--	--	N	>2,000	2,000	3.0	N
SFR0404	64 56 43	144 16 0	--	--	--	--	--	N	10	1,000	N	N
SFR0406	64 57 51	144 18 59	--	--	--	--	--	N	10	150	N	V
SFR0423	64 57 29	144 27 42	--	--	--	--	--	N	15	700	1.0	N
SFR0433	64 51 00	144 47 30	--	--	--	--	--	N	100	>5,000	N	V
SFR0434A	64 24 12	145 5 39	5.00	2.00	3.00	.700	700	N	<10	150	2.0	N
SFR0437B	64 23 44	145 7 59	--	--	--	--	--	N	20	500	N	V
SFR0438C	64 23 29	145 8 31	--	--	--	--	--	N	<10	100	2.0	N
SFR0454B	64 53 58	144 43 41	.20	.02	<.05	.050	20	N	30	70	N	N
SFR0456D	64 54 10	144 42 42	.20	<.02	.20	.010	150	N	10	20	10.0	V
SFR0458A	64 54 11	144 41 39	1.00	.07	N	.100	30	N	<10	150	1.0	N
SFR0458C	64 54 11	144 41 39	1.50	.20	.05	.100	50	N	15	300	N	N
SFR0472D	64 47 58	144 41 52	--	--	--	--	--	N	30	1,500	N	V
SFR0474	64 48 29	144 41 20	--	--	--	--	--	N	50	3,000	N	N
SFR0491	64 28 32	145 5 29	2.00	.50	.15	.100	100	N	<10	20	3.0	V
SFR0499	64 51 44	144 54 29	1.00	2.00	2.00	.050	300	N	<10	20	1.0	N
SFR0500	64 51 41	144 55 19	1.00	2.00	5.00	.100	300	N	<10	500	2.0	N
SFR0502A	64 51 29	144 53 59	--	--	--	--	--	N	20	2,000	1.0	N
SFR0502B	64 51 29	144 53 59	--	--	--	--	--	N	70	2,000	2.0	V
SFR0504A	64 50 54	144 53 21	15.00	5.00	10.00	1.000	500	N	<10	300	N	N
SFR0504B	64 50 54	144 53 21	2.00	1.00	3.00	.100	300	N	<10	1,500	2.0	N
SFR0504C	64 50 54	144 53 21	2.00	1.00	2.00	.200	150	N	100	700	3.0	V
SFR0506D	64 50 35	144 56 54	3.00	.70	1.00	.200	200	N	70	300	3.0	N
SFR0507A	64 50 26	144 53 44	3.00	1.00	3.00	.500	500	N	<10	50	1.0	N
SFR0509A	64 50 14	144 53 30	3.00	.70	.20	.500	300	N	100	150	3.0	N
SFR0509B	64 50 14	144 53 30	--	--	--	--	--	N	50	700	3.0	N
SFR0510B	64 50 8	144 53 20	5.00	<.02	<.05	.002	20	N	10	N	N	V
SFR0514A	64 49 42	144 52 30	--	--	--	--	--	N	50	1,000	7.0	N
SFR0514B	64 49 42	144 52 30	--	--	--	--	--	N	10	1,000	3.0	N
SFR0515A	64 49 5	144 52 2	5.00	.70	.20	.500	300	N	100	500	3.0	V
SFR0518A	64 48 33	144 51 24	2.00	2.00	.10	.100	100	N	70	100	1.0	N
SFR0519A	64 48 11	144 51 29	3.00	.10	<.05	.100	150	N	30	100	2.0	N
SFR0526B	64 47 12	144 51 20	1.00	.05	<.05	.050	50	N	50	150	1.0	V
SFR0534B	64 46 22	144 48 39	--	--	--	--	--	N	20	N	1.0	N
SFR0541	64 47 59	144 49 59	5.00	2.00	<.05	.300	300	N	20	500	3.0	N
SFR0542A	64 48 12	144 50 11	--	--	--	--	--	N	10	700	1.0	N
SFR0542B	64 48 12	144 50 11	5.00	1.00	.15	.300	300	N	50	300	1.0	V
SFR0543	64 48 25	144 50 8	--	--	--	--	--	N	20	1,000	1.0	N

Big Delta Quad--Rocks--cont in j ed

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y
SFR0380B	5	N	15	--	N	150	5	50	N	--	10	N	10	N	--
SFR0380C	10	100	50	70	N	N	50	70	N	15	<10	N	70	V	30
SFR0381	N	10	1,500	--	N	N	10	3,000	N	--	N	V	20	V	--
SFR0381B	50	3,000	10	--	N	N	1,500	30	N	--	N	700	30	V	--
SFR0382B	100	1,500	70	N	N	N	2,000	N	N	10	N	N	30	N	N
SFR0385A	10	50	<5	--	N	<20	30	<10	V	--	N	N	100	V	--
SFR0385B	70	500	20	--	N	N	70	30	V	--	N	500	300	V	--
SFR0396D	20	150	70	--	N	N	50	20	N	--	N	500	150	V	--
SFR0404	100	150	200	--	N	<20	150	N	N	--	N	500	300	N	--
SFR0406	70	700	200	--	N	100	300	20	N	--	N	500	300	V	--
SFR0423	30	300	300	--	N	100	70	30	V	--	150	700	300	V	--
SFR0433	50	70	15	--	N	N	70	10	V	--	N	1,000	300	N	--
SFR0434A	15	70	15	N	N	N	30	N	N	20	N	N	200	V	20
SFR0437B	70	300	70	--	N	<20	70	20	N	--	N	500	500	V	--
SFR0438C	10	20	30	--	N	<20	10	50	V	--	N	100	70	V	--
SFR0454B	N	N	N	N	N	N	5	N	N	N	N	V	30	N	N
SFR0456D	N	N	N	N	N	N	5	20	N	N	N	N	20	N	N
SFR0458A	N	15	5	N	N	N	5	N	N	N	N	N	30	V	N
SFR0458C	5	30	7	N	N	N	15	20	N	N	N	N	10	V	N
SFR0472D	10	20	15	--	N	<20	30	10	N	--	N	N	150	V	--
SFR0474	50	300	70	--	N	N	100	<10	N	--	N	100	300	N	--
SFR0491	N	20	7	N	N	N	30	15	N	5	N	N	50	N	N
SFR0499	N	N	15	N	N	N	10	N	N	N	N	V	20	V	N
SFR0500	N	20	15	N	N	N	<5	10	N	V	N	N	30	V	N
SFR0502A	20	70	10	--	N	N	50	20	N	--	N	200	100	N	--
SFR0502B	15	70	20	--	10	N	70	10	V	--	N	200	200	V	--
SFR0504A	20	70	30	N	N	N	70	10	N	15	<10	300	150	V	20
SFR0504B	5	20	30	N	N	N	10	10	N	5	N	100	30	V	15
SFR0504C	7	30	30	N	N	N	20	10	N	5	N	100	50	N	10
SFR0506D	10	50	20	N	N	N	20	10	N	10	N	700	70	V	20
SFR0507A	10	50	30	N	N	N	30	10	N	15	N	500	150	V	15
SFR0509A	7	30	15	20	N	N	30	10	V	15	N	N	150	V	20
SFR0509B	30	100	50	--	N	N	50	20	N	--	N	100	200	V	--
SFR0510B	N	N	300	N	N	N	<5	20,000	>10,000	N	>1,000	N	<10	V	N
SFR0514A	30	100	30	--	N	<20	70	10	100	--	N	V	200	V	--
SFR0514B	N	N	<5	--	N	N	5	50	N	--	N	200	20	V	--
SFR0515A	10	70	30	50	N	N	30	20	N	15	N	100	150	N	30
SFR0518A	N	30	N	N	N	N	15	N	N	V	N	N	30	V	15
SFR0519A	N	20	20	N	N	N	20	10	N	N	N	V	50	V	10
SFR0526B	N	10	5	N	N	N	10	N	N	V	N	N	20	V	N
SFR0534B	20	50	<5	--	N	N	50	N	N	--	N	100	150	V	--
SFR0541	15	50	7	30	N	N	70	10	N	15	N	V	100	V	20
SFR0542A	30	50	15	--	N	N	10	10	N	--	N	500	300	V	--
SFR0542B	5	50	30	30	N	N	30	200	500	5	<10	V	50	V	N
SFR0543	15	20	5	--	N	<20	5	20	N	--	10	500	150	N	--

sample	S-ZN	S-ZR	AA-AU-P
5FR0380B	N	150	N
5FR0380C	300	200	--
5FR0381	N	20	N
5FR0381B	N	10	N
5FR0382B	N	N	--
5FR0385A	N	300	N
5FR0385B	N	150	N
5FR0396D	N	150	N
5FR0404	N	200	N
5FR0406	N	200	N
5FR0423	N	150	N
5FR0433	N	150	N
5FR0434A	N	150	N
5FR0437B	N	150	N
5FR0438C	N	150	N
5FR0454B	N	70	N
5FR0456D	N	10	N
5FR0458A	N	150	N
5FR0458C	N	150	N
5FR0472D	N	200	N
5FR0474	N	150	N
5FR0491	N	150	N
5FR0499	N	200	N
5FR0500	N	100	N
5FR0502A	N	200	N
5FR0502B	N	300	N
5FR0504A	N	150	N
5FR0504B	1,500	150	N
5FR0504C	N	70	N
5FR0506D	N	70	N
5FR0507A	N	100	N
5FR0509A	N	150	N
5FR0509B	200	150	N
5FR0510B	1,500	N	.15
5FR0511A	200	200	N
5FR0514B	N	50	N
5FR0515A	N	150	N
5FR0518A	N	150	N
5FR0519A	N	100	N
5FR0526B	N	100	N
5FR0534B	200	200	N
5FR0541	N	100	N
5FR0542A	200	20	N
5FR0542B	N	300	N
5FR0543	N	300	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-A3	S-AS	S-B	S-3A	S-BE	S-BI
5FR0544	64 48 20	144 49 8	--	--	--	--	--	N	N	20	1,000	2.0	N
5FR0545A	64 48 33	144 48 57	--	--	--	--	--	V	N	50	N	N	N
5FR0550	64 48 6	144 48 10	2.00	1.50	<.05	.200	300	N	N	150	300	3.0	N
5FR0551D	64 48 39	144 48 17	15.00	3.00	7.00	.500	1,000	N	N	15	1,500	1.0	N
5FR0557	64 8 47	145 27 5	--	--	--	--	--	N	N	10	1,000	5.0	N
5FR0569	64 28 53	144 50 48	--	--	--	--	--	N	N	<10	700	1.0	N
5FR0577	64 26 47	145 25 32	--	--	--	--	--	N	N	15	100	<1.0	N
5FR0594	64 48 41	144 40 53	--	--	--	--	--	N	N	15	200	1.0	N
5FR0596D	64 48 46	144 40 37	5.00	.20	.30	.200	300	N	N	20	N	15.0	N
5FR0597C	64 48 51	144 40 18	10.00	2.00	3.00	1.000	1,500	N	N	15	1,500	N	N
5FR0598B	64 48 55	144 40 0	15.00	2.00	10.00	.700	1,000	V	N	30	300	2.0	V
5FR0598C	64 48 55	144 40 0	5.00	.15	1.00	.150	300	N	N	20	N	10.0	V
5FR0599	64 49 6	144 39 29	15.00	1.50	10.00	.700	2,000	V	N	15	150	N	N
5FR0601A	64 49 10	144 38 59	15.00	3.00	10.00	1.000	1,000	N	N	20	150	1.0	N
5FR0602A	64 49 15	144 39 2	5.00	5.00	7.00	.700	700	N	N	20	200	N	N
5FR0606B	64 49 58	144 36 48	15.00	5.00	5.00	.700	1,000	V	N	50	700	N	V
5FR0616	64 31 38	144 7 32	--	--	--	--	--	N	N	20	700	3.0	N
5FR0619A	64 31 59	144 8 30	2.00	.20	1.00	.200	100	N	N	30	500	5.0	V
5FR0620	64 32 12	144 8 30	--	--	--	--	--	N	N	20	700	2.0	V
5FR0622	64 32 27	144 8 30	--	--	--	--	--	N	N	10	700	3.0	V
5FR0624A	64 38 21	144 7 42	1.00	.10	.05	.050	10	N	N	10	100	5.0	N
5FR0624A	64 38 21	144 7 42	.30	.02	.05	.050	15	V	N	<10	N	2.0	V
5FR0625A	64 39 2	144 9 51	7.00	1.00	.20	.500	1,000	N	N	20	500	1.0	V
5FR0625B	64 39 2	144 9 51	.50	.10	.50	.050	70	V	N	<10	1,500	2.0	V
5FR0626A	64 38 56	144 10 2	3.00	.70	.20	.100	300	V	N	50	700	10.0	N
5FR0626B	64 38 56	144 10 2	.50	<.02	.30	.070	30	V	N	10	N	5.0	V
5FR0627A	64 38 50	144 10 29	--	--	--	--	--	N	N	<10	N	7.0	N
5FR0627B	64 38 50	144 10 29	2.00	.05	.05	.030	50	V	N	10	100	15.0	V
5FR0627C	64 38 50	144 10 29	1.00	<.02	.20	.070	100	V	N	<10	N	15.0	N
5FR0629	64 38 26	144 11 17	1.00	<.02	.20	.070	100	V	N	15	N	15.0	V
5FR0630	64 38 18	144 11 18	1.00	<.02	.20	.070	150	N	N	150	N	7.0	N
5FR0631B	64 38 12	144 11 21	3.00	1.00	.50	.300	300	N	N	<10	500	2.0	V
5FR0631C	64 38 12	144 11 21	.50	<.02	<.05	.050	100	N	N	10	N	15.0	N
5FR0635	64 38 57	144 13 0	3.00	1.00	.70	.500	300	N	N	10	700	5.0	N
5FR0635C	64 38 57	144 13 0	1.00	<.02	.15	.070	30	N	N	<10	N	7.0	V
5FR0636A	64 38 56	144 12 33	1.50	.05	.05	.050	150	V	N	30	20	15.0	N
5FR0636B	64 38 56	144 12 33	--	--	--	--	--	N	N	<10	N	5.0	N
5FR0638A	64 39 21	144 12 17	1.00	<.02	.20	.050	100	N	N	<10	N	15.0	V
5FR0641A	64 39 41	144 10 18	.50	<.02	.10	.050	50	N	N	10	N	10.0	N
5FR0642	64 36 42	144 12 29	1.00	<.02	.07	.050	100	N	N	<10	N	7.0	N
5FR0644B	64 33 30	144 10 9	--	--	--	--	--	N	N	<10	700	2.0	N
5FR0657B	64 49 4	144 10 35	5.00	.70	.10	.200	150	V	N	<10	1,000	2.0	70
5FR0659B	64 49 6	144 11 49	--	--	--	--	--	N	N	<10	200	5.0	N
5FR0663B	64 49 9	144 13 59	1.00	.10	.05	.100	70	V	N	15	200	1.0	V
5FR0666B	64 50 4	144 3 50	1.50	.30	1.00	.150	150	V	N	10	500	1.5	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SM	S-SR	S-V	S-W	S-Y
SFR0544	10	10	20	--	N	<20	5	30	N	--	20	300	100	V	--
SFR0545A	30	100	<5	--	N	20	70	N	<100	--	N	V	150	V	--
SFR0550	N	30	7	30	N	N	10	10	N	10	N	N	70	N	20
SFR0551D	20	50	30	20	N	N	20	30	V	30	N	700	200	V	30
SFR0557	30	200	70	--	N	N	70	30	100	--	N	700	200	V	--
SFR0569	20	10	20	--	N	N	10	20	V	--	N	300	150	V	--
SFR0577	N	50	7	--	N	N	5	10	N	--	N	N	20	N	--
SFR0594	15	50	50	--	N	20	10	N	N	--	N	300	150	V	--
SFR0596D	N	N	<5	200	N	150	5	N	V	10	10	V	<10	V	300
SFR0597C	30	N	30	50	5	20	5	N	N	20	N	V	500	V	30
SFR0598B	30	50	50	50	N	20	30	10	N	30	N	300	200	N	50
SFR0598C	N	N	<5	300	N	150	5	<10	V	10	10	100	10	V	300
SFR0599	100	20	30	20	N	N	70	10	N	30	N	V	150	V	30
SFR0601A	50	200	50	70	N	150	50	10	N	70	N	300	300	V	50
SFR0602A	30	300	20	50	N	N	100	N	N	30	N	N	500	N	20
SFR0606B	70	N	100	N	N	N	20	N	N	50	N	N	700	V	30
SFR0616	5	N	<5	--	N	N	N	15	N	--	N	N	<10	V	--
SFR0619A	5	N	5	N	N	20	5	15	V	5	N	N	10	V	10
SFR0620	5	N	<5	--	N	N	N	15	N	--	N	N	<10	V	--
SFR0622	N	N	<5	--	N	N	N	10	N	--	N	N	<10	V	--
SFR0624A	5	N	5	N	N	150	5	30	V	5	10	V	<10	V	50
SFR0624A	N	N	N	N	N	N	N	N	N	5	N	N	<10	V	30
SFR0625A	20	100	30	50	N	N	70	10	N	20	N	N	150	N	30
SFR0625B	N	N	<5	20	N	N	5	15	V	5	N	300	<10	V	10
SFR0626A	15	50	10	20	N	N	15	10	N	10	30	100	20	V	20
SFR0626B	N	N	<5	20	5	20	5	15	N	5	10	N	<10	V	100
SFR0627A	N	N	5	--	N	20	N	15	N	--	10	N	<10	N	--
SFR0627B	5	N	7	N	N	100	5	20	N	5	<10	N	<10	V	70
SFR0627C	N	N	<5	20	N	30	5	15	N	V	<10	V	<10	V	100
SFR0629	N	N	<5	50	N	20	5	15	N	V	<10	V	<10	V	50
SFR0630	N	N	<5	50	N	30	N	15	N	N	<10	N	<10	N	70
SFR0631B	15	50	20	20	N	N	30	20	N	10	<10	150	70	V	30
SFR0631C	N	N	5	20	N	20	N	15	N	10	N	V	<10	V	70
SFR0635	10	50	<5	150	N	N	10	20	N	10	15	N	50	V	30
SFR0635C	N	N	<5	20	N	20	5	15	N	5	N	N	<10	N	50
SFR0636A	5	N	<5	N	N	200	5	30	N	V	10	V	<10	V	70
SFR0636B	N	N	<5	--	N	30	N	15	N	--	N	N	<10	V	--
SFR0638A	N	N	<5	50	N	20	N	15	V	V	10	N	<10	V	100
SFR0641A	N	N	<5	20	N	20	5	15	V	V	15	N	<10	N	70
SFR0642	N	N	<5	20	N	20	5	30	N	N	10	N	<10	V	15
SFR0644B	N	N	<5	--	N	N	<5	15	N	--	N	V	<10	V	--
SFR0657B	5	N	300	N	N	50	5	10	N	15	30	V	50	V	20
SFR0659B	N	N	<5	--	N	N	N	15	N	--	N	N	<10	N	--
SFR0663B	N	N	200	20	N	N	N	<10	N	5	10	N	10	V	20
SFR0666B	N	N	30	50	N	N	5	<10	N	10	N	200	20	V	10

sample	S-ZN	S-ZR	AA-AU-P
5FR0544	N	100	N
5FR0545A	200	200	N
5FR0550	N	100	N
5FR0551D	N	150	N
5FR0557	N	150	N
5FR0569	N	150	N
5FR0577	N	150	<.05
5FR0594	N	300	N
5FR0596D	N	>1,000	N
5FR0597C	<200	150	N
5FR0598B	N	150	--
5FR0598C	N	>1,000	N
5FR0599	N	100	--
5FR0601A	N	200	--
5FR0602A	N	100	N
5FR0606B	N	100	N
5FR0616	N	200	N
5FR0619A	N	200	--
5FR0620	N	150	N
5FR0622	N	150	N
5FR0624A	N	150	--
5FR0624A	N	150	N
5FR0625A	N	150	N
5FR0625B	N	50	N
5FR0626A	N	150	N
5FR0626B	N	200	<.05
5FR0627A	N	100	N
5FR0627B	N	100	--
5FR0627C	N	200	N
5FR0629	N	150	N
5FR0630	N	150	N
5FR0631B	N	300	N
5FR0631C	N	150	N
5FR0635	<200	100	N
5FR0635C	N	200	N
5FR0636A	N	150	--
5FR0636B	N	150	N
5FR0638A	N	150	N
5FR0641A	N	150	N
5FR0642	N	150	N
5FR0644B	N	150	N
5FR0657B	N	150	--
5FR0659B	N	150	N
5FR0663B	N	100	N
5FR0666B	N	150	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-AS	S-AS	S-B	S-3A	S-BE	S-BI
5FR0667	64 50 8	144 3 37	--	--	--	--	--	N	N	10	700	1.5	V
5FR0668	64 50 14	144 3 8	5.00	1.00	1.00	.300	700	V	N	10	700	1.0	V
5FR0671	64 51 23	144 2 8	.50	7.00	10.00	.002	150	V	N	15	N	N	N
5FR0692B	64 39 14	144 5 36	--	--	--	--	--	N	N	30	700	3.0	V
5FR0694B	64 39 12	144 4 31	--	--	--	--	--	N	N	<10	N	3.0	V
5FR0704A	64 43 14	144 1 50	.30	.10	1.00	.020	150	N	N	10	300	1.0	V
5FR0704B	64 43 14	144 1 50	--	--	--	--	--	N	N	<10	N	N	V
5FR0704B	64 43 14	144 1 50	1.00	.05	.05	.030	50	N	1,500	10	N	1.0	V
5FR0714	64 41 20	144 1 58	--	--	--	--	--	N	N	50	500	1.0	V
5FR0716A	64 41 7	144 0 8	--	--	--	--	--	V	N	20	500	<1.0	V
5FR0733	64 44 30	144 5 39	--	--	--	--	--	N	N	10	500	1.0	N
5FR0733B	64 44 30	144 5 39	--	--	--	--	--	N	N	15	700	3.0	V
5FR0734A	64 44 8	144 6 5	--	--	--	--	--	N	N	<10	200	1.5	N
5FR0734B	64 44 8	144 6 5	--	--	--	--	--	N	N	<10	N	1.0	V
5FR0735B	64 44 2	144 6 17	.70	.30	1.00	.150	200	N	N	10	70	3.0	N
5FR0735C	64 44 2	144 6 17	2.00	.70	1.50	.300	200	V	N	20	70	3.0	V
5FR0735D	64 44 2	144 6 17	2.00	.50	1.50	.200	150	N	N	10	70	3.0	N
5FR0736	64 43 58	144 6 15	2.00	.50	.10	.300	150	N	N	20	50	3.0	V
5FR0737B	64 43 38	144 6 37	--	--	--	--	--	N	N	15	700	3.0	N
5FR0737C	64 43 38	144 6 37	--	--	--	--	--	V	N	<10	700	1.0	N
5FR0738A	64 43 35	144 6 42	1.00	.50	1.50	.200	200	N	N	10	70	5.0	N
5FR0739A	64 43 31	144 6 50	1.00	.70	.10	.300	200	V	N	20	30	2.0	N
5FR0739D	64 43 31	144 6 50	1.00	.20	<.05	.200	30	N	N	20	50	N	N
5FR0741C	64 43 20	144 6 56	--	--	--	--	--	N	N	15	N	N	V
5FR0741D	64 43 20	144 6 56	1.50	10.00	15.00	.300	700	N	N	<10	N	N	N
5FR0742C	64 43 17	144 6 56	--	--	--	--	--	N	N	50	N	N	N
5FR0744E	64 42 57	144 6 50	--	--	--	--	--	N	N	<10	700	3.0	N
5FR0748A	64 42 35	144 5 20	5.00	2.00	.10	.300	300	V	N	<10	N	N	N
5FR0749B	64 42 37	144 5 12	2.00	1.00	<.05	.300	150	N	N	20	700	2.0	V
5FR0749C	64 42 37	144 5 12	2.00	1.00	<.05	.300	150	V	N	<10	150	N	V
5FR0750A	64 42 55	144 4 1	5.00	1.50	.05	.500	200	V	N	30	700	2.0	N
5FR0750B	64 42 55	144 4 1	--	--	--	--	--	N	N	10	200	<1.0	N
5FR0754A	64 47 4	144 1 29	--	--	--	--	--	N	N	N	700	2.0	N
5FR0754B	64 47 4	144 1 29	.20	.02	.50	.020	70	V	N	<10	N	1.0	V
5FR0755A	64 46 59	144 1 36	--	--	--	--	--	N	N	N	700	1.5	N
5FR0755B	64 46 59	144 1 36	.10	<.02	.50	.010	70	V	N	<10	N	<1.0	V
5FR0756	64 46 55	144 1 40	1.00	.30	1.00	.200	150	N	N	<10	500	3.0	N
5FR0760A	64 46 14	144 1 0	.70	.05	.30	.070	70	N	N	10	N	3.0	V
5FR0767A	64 46 49	144 3 43	--	--	--	--	--	V	N	N	700	1.5	N
5FR0767C	64 46 49	144 3 43	3.00	.30	<.05	.200	70	N	N	20	500	3.0	20
5FR0767D	64 46 49	144 3 43	7.00	1.00	.70	.300	200	N	N	30	300	3.0	70
5FR0771A	64 48 29	144 6 14	--	--	--	--	--	V	N	N	700	1.5	V
5FR0771B	64 48 29	144 6 14	2.00	.30	.07	.200	50	V	N	20	700	1.0	10
5FR0771C	64 48 29	144 6 14	7.00	.70	3.00	.100	2,000	3.0	N	10	N	1.0	V
5FR0777B	64 52 13	144 8 21	--	--	--	--	--	N	N	N	N	1.0	V

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SM	S-SR	S-V	S-#	S-Y
SFR0667	30	N	70	--	N	N	5	10	N	--	N	300	70	N	--
SFR0668	20	N	70	100	N	N	N	10	N	10	N	300	70	V	30
SFR0671	N	N	N	<20	N	N	7	N	N	N	N	100	<10	N	N
SFR0692B	30	100	20	--	N	N	70	10	V	--	N	150	100	V	--
SFR0694B	N	N	15	--	N	N	N	15	N	--	N	N	<10	N	--
SFR0704A	N	N	N	<20	N	N	N	<10	N	N	N	300	<10	N	70
SFR0704B	N	N	5	--	N	N	5	N	N	--	N	N	<10	V	--
SFR0704B	N	N	<5	70	N	N	5	10	N	N	N	10	10	N	15
SFR0714	10	50	20	--	N	N	10	10	N	--	N	30	30	V	--
SFR0716A	N	70	<5	--	N	N	20	10	N	--	N	N	30	N	--
SFR0733	N	N	5	--	N	N	N	15	N	--	N	200	50	V	--
SFR0733B	N	N	<5	--	N	N	5	15	N	--	N	200	20	V	--
SFR0734A	N	N	<5	--	N	N	N	15	N	--	N	N	10	V	--
SFR0734B	N	N	N	--	N	N	N	15	N	--	N	N	<10	V	--
SFR0735B	N	N	<5	20	N	N	N	20	V	5	N	200	10	V	10
SFR0735C	N	20	<5	30	N	N	5	20	N	7	N	300	20	V	15
SFR0735D	5	N	<5	20	N	N	N	10	N	7	N	300	20	V	15
SFR0736	5	N	<5	70	N	N	N	15	N	7	N	N	30	V	15
SFR0737B	10	30	<5	--	N	N	5	15	N	--	N	200	30	V	--
SFR0737C	10	N	<5	--	V	N	N	15	N	--	N	200	50	N	--
SFR0738A	5	N	<5	20	N	N	5	20	N	7	N	300	20	V	15
SFR0739A	N	N	<5	20	N	N	5	15	N	7	N	N	30	N	10
SFR0739D	N	70	15	20	N	N	5	10	V	10	N	N	30	V	15
SFR0741C	N	N	N	--	N	N	N	N	N	--	N	N	<10	N	--
SFR0741D	15	N	<5	20	N	N	10	N	N	7	N	500	50	N	15
SFR0742C	N	N	N	--	N	N	10	N	V	--	N	100	<10	N	--
SFR0744E	10	N	<5	--	N	N	5	15	N	--	N	200	20	V	--
SFR0748A	15	70	30	30	30	N	50	20	N	10	N	N	70	V	10
SFR0749B	N	70	20	30	N	N	10	N	N	15	N	N	70	V	20
SFR0749C	10	70	<5	30	N	N	30	<10	N	10	N	N	30	N	15
SFR0750A	15	100	20	20	N	N	50	10	N	15	N	V	70	V	30
SFR0750B	15	70	15	--	N	N	20	10	V	--	N	N	20	V	--
SFR0754A	10	N	<5	--	N	N	N	10	N	--	N	200	30	N	--
SFR0754B	N	N	N	N	N	N	N	15	N	N	N	V	<10	N	15
SFR0755A	5	N	<5	--	N	N	N	15	N	--	N	200	30	V	--
SFR0755B	N	N	N	N	N	N	N	15	N	N	N	V	<10	N	30
SFR0756	N	N	N	20	N	N	N	10	N	5	N	200	10	N	N
SFR0760A	N	N	<5	<20	N	N	N	20	N	N	N	N	<10	V	30
SFR0767A	5	N	<5	--	N	N	5	15	N	--	N	200	30	V	--
SFR0767C	N	N	70	<20	N	N	N	20	N	10	100	N	20	<50	10
SFR0767D	N	N	150	20	N	N	N	15	N	10	30	100	50	<50	20
SFR0771A	5	N	<5	--	N	N	5	10	N	--	N	200	20	V	--
SFR0771B	N	N	100	20	N	N	N	10	V	7	70	300	20	V	15
SFR0771C	10	150	150	20	N	N	30	70	V	10	20	N	70	<50	15
SFR0777B	N	N	<5	--	N	N	N	20	V	--	N	N	<10	N	--

AA-AU-P

S-ZR

S-ZN

sample

sample	S-ZN	S-ZR	AA-AU-P
SFR0667	N	150	N
SFR0668	N	150	N
SFR0671	N	20	N
SFR0692B	<200	150	N
SFR0694B	N	150	N
SFR0704A	N	70	N
SFR0704B	N	150	N
SFR0704B	N	50	N
SFR0714	N	300	N
SFR0716A	N	150	N
SFR0733	N	150	N
SFR0733B	N	150	N
SFR0734A	N	70	N
SFR0734B	N	70	N
SFR0735B	N	100	N
SFR0735C	N	150	N
SFR0735D	N	150	N
SFR0736	N	150	N
SFR0737B	N	150	N
SFR0737C	N	150	N
SFR0738A	N	150	N
SFR0739A	N	150	N
SFR0739D	N	100	.10
SFR0741C	N	N	N
SFR0741D	N	100	N
SFR0742C	N	N	N
SFR0744E	N	150	N
SFR0748A	N	100	N
SFR0749B	N	100	N
SFR0749C	N	150	N
SFR0750A	N	150	N
SFR0750B	N	500	N
SFR0754A	N	150	N
SFR0754B	N	N	N
SFR0755A	N	150	N
SFR0755B	N	20	N
SFR0756	N	150	N
SFR0760A	N	70	N
SFR0767A	N	150	N
SFR0767C	N	150	N
SFR0767D	N	150	N
SFR0771A	N	150	N
SFR0771B	N	150	N
SFR0771C	700	150	N
SFR0777B	N	150	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-A3	S-AS	S-B	S-3A	S-BE	S-BI
SFR0782A	64 51 34	144 4 24	--	--	--	--	--	N	N	30	N	N	N
SFR0785C	64 59 7	144 35 54	3.00	1.00	1.00	.300	300	V	N	20	500	1.0	N
SFR0790C	64 59 14	144 37 45	3.00	.70	.20	.150	200	N	N	15	500	3.0	V
SFR0797A	64 59 17	144 39 39	--	--	--	--	--	N	N	10	N	2.0	V
SFR0797B	64 59 17	144 39 39	3.00	.70	.20	.200	150	V	N	15	700	2.0	N
SFR0798B	64 59 20	144 39 55	2.00	.70	.07	.300	500	N	N	20	300	<1.0	V
SFR0798D	64 59 20	144 39 55	3.00	1.00	.20	.300	200	N	N	15	700	2.0	N
SFR0801	64 59 12	144 41 0	2.00	1.00	.20	.300	300	V	N	10	300	1.0	N
SFR0802A	64 59 12	144 41 40	2.00	.50	.50	.200	300	N	N	10	700	<1.0	N
SFR0806B	64 58 44	144 42 50	2.00	.70	.20	.300	300	N	N	<10	500	<1.0	V
SFR0806J	64 58 44	144 42 50	3.00	.70	.20	.200	200	N	N	20	700	2.0	V
SFR0807B	64 58 41	144 43 9	10.00	3.00	.20	.200	500	3.0	N	>2,000	20	2.0	<10
SFR0820B	64 58 59	144 49 35	--	--	--	--	--	N	N	30	700	3.0	N
SFR0825D	64 57 37	144 43 11	7.00	.07	<.05	.100	20	N	N	50	70	2.0	N
SFR0830A	64 57 33	144 44 39	7.00	1.50	10.00	.300	700	N	N	10	150	3.0	N
SFR0830B	64 57 33	144 44 39	.50	.10	.50	.050	150	N	N	200	500	1.5	V
SFR0832	64 57 38	144 45 30	--	--	--	--	--	N	N	10	N	N	N
SFR0833	64 57 34	144 45 38	2.00	1.00	1.00	.200	300	N	N	50	300	1.0	V
SFR0834	64 57 29	144 45 47	--	--	--	--	--	N	N	50	N	1.0	N
SFR0834B	64 57 29	144 45 47	.70	.05	1.00	.050	200	V	N	<10	700	1.0	V
SFR0835A	64 59 57	144 41 48	--	--	--	--	--	N	N	2,000	1,000	2.0	N
SFR0835B	64 59 57	144 41 48	3.00	.70	.20	.200	300	N	N	20	700	3.0	V
SFR0835B	64 59 57	144 41 48	2.00	.70	.30	.300	300	N	N	20	300	1.0	V
SFR0835C	64 59 57	144 41 48	--	--	--	--	--	N	N	>2,000	N	1.0	V
SFR0835C	64 59 57	144 41 48	15.00	3.00	.30	.200	300	N	N	>2,000	20	3.0	N
SFR0847	64 19 33	145 15 24	--	--	--	--	--	N	N	200	N	2.0	N
SFR0850	64 18 15	145 14 14	--	--	--	--	--	N	N	100	700	2.0	V
SFR0852	64 18 26	145 13 42	--	--	--	--	--	N	N	50	500	<1.0	V
SFR0870	64 50 53	144 33 5	15.00	2.00	5.00	1.000	1,000	N	N	15	200	N	N
SFR0879	64 50 12	144 37 2	15.00	2.00	3.00	1.000	700	N	N	20	700	N	V
SFR0889C	64 49 41	144 39 24	--	--	--	--	--	V	N	20	700	N	N
SFR0891B	64 49 54	144 37 58	--	--	--	--	--	N	N	20	200	N	V
SFR0900	64 51 30	144 37 9	--	--	--	--	--	N	N	20	N	1.0	N
SFR0905A	64 35 26	145 23 12	10.00	3.00	7.00	.300	700	V	N	15	N	N	N
SFR0905B	64 35 26	145 23 12	10.00	3.00	7.00	.300	700	N	N	10	N	N	V
SFR0905C	64 35 26	145 23 12	5.00	7.00	7.00	.070	700	N	N	10	N	N	V
SFR0905F	64 35 26	145 23 12	10.00	>10.00	.20	.050	700	N	N	10	N	N	N
SFR0905G	64 35 26	145 23 12	.20	.10	.70	.100	200	N	N	100	N	3.0	V
SFR0905H	64 35 26	145 23 12	.30	.05	.30	.030	300	N	N	50	N	3.0	N
SFR0906C	64 36 26	145 25 5	.50	.10	.50	.050	100	V	N	500	N	3.0	N
SFR0913C	64 34 42	144 1 36	--	--	--	--	--	N	N	10	700	<1.0	N
SFR0916B	64 34 5	144 3 10	--	--	--	--	--	N	N	10	700	<1.0	V
SFR0917	64 34 1	144 3 17	2.00	1.00	1.00	.300	300	V	N	<10	700	1.0	N
SFR0920A	64 33 43	144 4 8	--	--	--	--	--	N	N	10	100	2.0	V
SFR0921A	64 36 39	144 4 24	7.00	5.00	5.00	.300	1,500	N	N	<10	N	3.0	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
SFR0782A	N	N	N	--	N	N	5	N	N	--	N	20J	<1J	N	--
SFR0785C	15	100	15	20	N	N	50	10	N	15	N	10J	10J	N	2J
SFR0790C	N	70	10	N	N	N	5	20	N	10	N	N	70	N	N
SFR0797A	15	100	<5	--	N	N	50	<10	N	--	N	500	20	N	--
SFR0797B	N	70	20	30	N	N	10	20	N	15	N	N	100	N	100
SFR0798B	5	70	30	20	N	N	5	10	N	1J	N	V	100	N	15
SFR0798D	5	70	20	150	N	N	15	20	N	15	N	100	10J	N	20
SFR0801	15	70	30	20	N	N	20	10	N	15	N	V	100	N	15
SFR0802A	N	70	5	20	N	N	5	15	N	10	N	150	70	N	10
SFR0806B	10	70	15	50	N	N	5	10	N	10	N	V	100	N	15
SFR0806J	5	100	30	30	N	N	10	10	N	15	N	N	70	N	70
SFR0807B	5	70	15	N	N	N	10	100	N	20	N	N	150	N	V
SFR0820B	10	30	10	--	N	N	50	30	N	--	N	20J	<1J	N	--
SFR08250	N	30	10	N	N	N	<5	N	N	5	N	V	3J	N	N
SFR0830A	20	150	70	20	N	N	50	N	N	15	N	300	150	N	30
SFR0830B	N	N	<5	20	N	N	5	20	N	5	N	15J	<10	N	2J
SFR0832	70	150	70	--	N	N	50	N	N	--	N	50J	200	N	--
SFR0833	15	70	50	20	N	N	70	10	N	15	N	150	70	N	15
SFR0834	70	1,000	70	--	N	N	300	10	N	--	10	50J	300	N	--
SFR0834B	N	N	<5	20	N	N	N	10	N	5	N	20J	<10	N	30
SFR0835A	N	150	<5	--	N	N	N	20	N	--	N	30J	70	N	--
SFR0835B	15	70	30	20	N	N	30	20	N	1J	N	N	70	N	10
SFR0835B	10	70	15	100	N	N	30	10	N	15	N	N	100	N	30
SFR0835C	10	100	5	--	N	N	20	10	N	--	15	100	200	N	--
SFR0835C	15	100	15	300	N	N	20	30	N	30	N	200	200	N	50
SFR0847	N	N	<5	--	N	N	10	15	N	--	N	N	<1J	N	--
SFR0850	10	N	<5	--	N	N	5	20	N	--	N	N	20	N	--
SFR0852	70	200	50	--	N	N	100	N	N	--	N	50J	300	N	--
SFR0870	50	70	30	N	N	N	70	N	N	50	N	10J	700	N	7J
SFR0879	70	70	200	20	N	N	70	N	N	70	N	30J	700	N	50
SFR0889C	30	200	70	--	7	<20	300	15	N	--	N	200	500	N	--
SFR0891B	70	300	20	--	N	N	200	10	N	--	N	50J	500	N	--
SFR0900	10	N	<5	--	N	N	50	N	N	--	N	700	50	N	--
SFR0905A	50	300	<5	N	N	N	150	N	N	7J	N	20J	500	N	2J
SFR0905B	50	200	<5	N	N	N	70	N	N	70	N	50J	700	N	20
SFR0905C	70	1,500	30	N	N	N	500	N	N	15	N	V	100	N	N
SFR0905F	150	3,000	50	N	5	N	1,500	N	N	20	N	V	100	N	N
SFR0905G	N	N	<5	N	N	N	5	15	N	N	N	N	<10	N	N
SFR0905H	N	N	<5	N	N	N	5	15	N	N	N	N	<10	N	15
SFR0906C	N	N	<5	N	N	N	5	15	N	7	N	V	<1J	N	N
SFR0913C	30	200	50	--	N	N	70	N	N	--	N	30J	150	N	--
SFR0916B	15	20	10	--	N	N	20	15	N	--	N	300	100	N	--
SFR0917	10	70	15	70	N	N	10	10	N	10	N	100	70	N	15
SFR0920A	10	N	5	--	N	N	10	15	N	--	N	N	10	N	--
SFR0921A	50	200	70	N	N	N	70	N	N	50	N	20J	300	N	20

sample	S-ZN	S-ZR	AA-AU-P
5FR0782A	N	50	N
5FR0795C	N	150	N
5FR0790C	N	150	<.05
5FR0797A	N	70	N
5FR0797B	N	150	N
5FR0798B	N	100	N
5FR0798D	N	150	N
5FR0801	N	150	N
5FR0802A	N	150	N
5FR0806B	N	150	N
5FR0806J	N	150	N
5FR0807B	200	70	N
5FR0820B	N	150	N
5FR0825D	N	100	N
5FR0830A	N	150	N
5FR0830B	N	50	N
5FR0832	200	100	N
5FR0833	N	100	N
5FR0834	N	100	N
5FR0834B	N	50	N
5FR0835A	N	200	N
5FR0835B	N	200	N
5FR0835B	N	200	N
5FR0835C	200	150	N
5FR0835C	200	150	N
5FR0847	N	100	N
5FR0850	N	150	<.05
5FR0852	200	150	N
5FR0870	<200	150	N
5FR0879	N	150	N
5FR0889C	N	150	N
5FR0891B	N	70	N
5FR0900	N	30	N
5FR0905A	N	50	N
5FR0905B	N	70	N
5FR0905C	N	N	N
5FR0905F	N	N	N
5FR0905G	N	N	N
5FR0905H	N	50	N
5FR0906C	N	50	N
5FR0913C	N	150	N
5FR0916B	N	150	N
5FR0917	N	150	<.05
5FR0920A	N	150	N
5FR0921A	N	50	N

sample	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TIX	S-MN	S-A3	S-AS	S-B	S-3A	S-BE	S-BI
5FR0921B	64 33 39	144 4 24	--	--	--	--	--	N	N	10	500	N	V
5FR0921C	64 33 39	144 4 24	--	--	--	--	--	N	N	10	700	N	V
5FR0921D	64 33 39	144 4 24	--	--	--	--	--	N	N	10	500	N	N
5FR0922	64 35 50	144 4 59	--	--	--	--	--	N	N	50	200	3.0	V
5FR0923B	64 35 40	144 5 8	.50	.10	<.05	.150	30	N	N	<10	200	N	N
5FR0923C	64 35 40	144 5 8	1.50	.50	<.05	.200	150	N	N	10	700	1.0	N
5FR0924A	64 35 32	144 5 26	.50	.10	.07	.070	70	N	N	10	700	<1.0	N
5FR0924C	64 35 32	144 5 26	--	--	--	--	--	N	N	20	700	1.0	V
5FR0953	64 54 5	145 28 42	5.00	2.00	2.00	.300	300	V	N	30	700	1.5	V
5FR0954	64 53 58	145 28 22	--	--	--	--	--	N	N	10	N	N	V
5FR0956B	64 54 3	145 27 20	--	--	--	--	--	V	N	<10	N	N	N
5FR0957	64 54 2	145 27 5	.70	.20	.07	.007	30	N	N	<10	N	N	V
5FR0963B	64 53 40	145 24 11	1.00	.05	N	.030	30	N	N	<10	3,000	<1.0	V
5FR0978A	64 34 32	145 21 51	1.50	.30	1.00	.200	150	V	N	10	700	7.0	V
5FR0989A	64 50 11	144 53 20	7.00	1.00	.05	.500	700	N	N	100	500	3.0	V
5FR0989B	64 50 11	144 53 20	2.00	.50	.10	.150	700	N	N	30	N	1.0	V
5FR0989C	64 50 11	144 53 20	3.00	.70	.05	.300	500	N	N	100	300	1.0	V
5FR0993A	64 56 0	144 18 1	5.00	2.00	7.00	.500	700	N	N	15	1,000	1.5	V
5FR0995A	64 43 9	144 13 29	.70	.07	<.05	.200	150	N	N	10	300	1.0	V
5FR0995B	64 43 9	144 13 29	1.50	.50	.07	.200	150	N	N	10	300	<1.0	V
5FR2090A	64 19 45	144 34 4	--	--	--	--	--	N	N	30	700	2.0	V
5FR2128	64 39 42	144 20 26	--	--	--	--	--	1.0	N	10	1,500	2.0	V
5FR2134B	64 40 19	144 16 36	--	--	--	--	--	V	N	10	500	1.0	V
5FR2134C	64 40 19	144 16 36	--	--	--	--	--	N	N	10	N	N	V
5FR2144B	64 40 32	144 32 11	--	--	--	--	--	N	N	10	1,000	<1.0	N
5FR2146B	64 40 55	144 33 50	--	--	--	--	--	V	N	10	200	N	N
5FR2148C	64 40 54	144 34 33	--	--	--	--	--	N	N	50	500	2.0	V
5FR2149	64 40 51	144 34 59	--	--	--	--	--	N	N	100	1,500	5.0	V
5FR2152	64 41 9	144 35 30	--	--	--	--	--	V	N	10	500	2.0	V
5FR2153A	64 41 22	144 36 34	--	--	--	--	--	N	N	10	100	N	V
5FR2157A	64 41 26	144 39 17	--	--	--	--	--	N	N	20	700	2.0	N
5FR2162B	64 41 30	145 5 20	--	--	--	--	--	V	N	10	200	N	N
5FR2162C	64 41 30	145 5 20	--	--	--	--	--	N	N	20	200	N	V
5FR2166B	64 40 6	145 7 0	--	--	--	--	--	N	N	10	100	1.0	V
5FR2169C	64 39 43	145 10 23	--	--	--	--	--	N	N	10	300	3.0	N
5FR2169D	64 39 43	145 10 23	--	--	--	--	--	N	N	<10	1,500	3.0	V
5FR2175	64 40 50	144 45 50	2.00	1.50	1.00	.150	300	N	N	10	500	3.0	V
5FR2177	64 59 25	144 24 55	3.00	.70	2.00	.200	500	N	N	15	700	3.0	V
5FR2187	64 30 33	144 3 34	--	--	--	--	--	N	N	<10	700	3.0	N
5FR2196C	64 44 27	145 0 29	.10	.05	<.05	.005	50	V	N	15	N	N	V
5FR2196D	64 44 27	145 0 29	.50	1.00	<.05	.005	70	N	N	15	N	N	V
5FR2196E	64 44 27	145 0 29	.50	1.50	2.00	.005	150	N	N	10	N	N	V
5FR2197	64 49 0	144 8 20	5.00	1.00	2.00	.300	300	N	N	<10	700	1.5	N
5FR3005	64 26 20	144 50 47	15.00	3.00	10.00	.500	1,000	N	N	10	1,000	N	V
5FR3014	64 25 13	144 49 17	15.00	3.00	5.00	.700	700	N	N	10	2,000	3.0	V

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
5FR0921B	50	150	50	--	N	N	70	N	N	--	N	300	150	N	--
5FR0921C	N	N	N	--	N	N	<5	15	V	--	N	N	<10	V	--
5FR0921D	10	50	<5	--	N	N	20	15	V	--	N	N	50	V	--
5FR0922	N	N	<5	--	N	N	5	20	V	--	N	N	<10	V	--
5FR0923B	N	30	<5	50	N	N	N	<10	N	5	N	N	10	N	15
5FR0923C	N	70	5	50	N	N	10	<10	N	10	N	N	50	V	20
5FR0924A	N	N	<5	70	N	N	5	15	V	V	N	200	10	V	20
5FR0924C	N	N	<5	--	N	N	5	15	N	--	N	N	10	V	--
5FR0953	15	70	15	70	N	N	70	10	N	15	N	300	70	N	N
5FR0954	50	1,500	200	--	N	N	300	10	V	--	N	700	300	N	--
5FR0956B	20	200	200	--	N	N	50	10	V	--	N	200	500	V	--
5FR0957	10	30	20	20	N	N	15	N	N	V	N	N	10	V	V
5FR0963B	N	N	20	N	N	50	N	10	N	N	N	N	<10	N	50
5FR0978A	N	N	<5	50	N	N	10	20	N	5	N	200	20	V	10
5FR0989A	20	100	70	100	N	N	70	10	N	15	N	N	100	V	30
5FR0989B	20	50	30	50	N	N	50	10	V	10	N	N	30	V	20
5FR0989C	20	70	20	70	N	N	50	<10	N	15	N	N	70	V	30
5FR0993A	20	100	<5	70	N	N	70	<10	N	15	N	300	70	V	30
5FR0995A	N	N	<5	70	N	N	10	N	N	10	N	N	50	V	N
5FR0995B	10	70	<5	70	N	N	20	<10	N	5	N	N	100	V	15
5FR2090A	20	100	30	--	N	<20	30	30	N	--	N	100	150	N	--
5FR2128	20	50	1,000	--	N	<20	70	30	V	--	N	200	150	N	--
5FR2134B	10	30	30	--	N	<20	70	50	N	--	N	100	100	V	--
5FR2134C	10	30	<5	--	N	N	70	<10	N	--	N	N	50	V	--
5FR2144B	10	30	10	--	N	N	20	20	N	--	N	N	100	N	--
5FR2146B	30	50	15	--	N	<20	10	N	N	--	N	200	500	V	--
5FR2148C	N	20	10	--	N	<20	5	<10	N	--	N	N	70	V	--
5FR2149	10	70	30	--	N	<20	20	15	V	--	N	100	100	V	--
5FR2152	20	70	10	--	N	<20	50	15	N	--	N	200	100	N	--
5FR2153A	150	1,500	10	--	N	20	700	N	N	--	N	N	200	N	--
5FR2157A	5	20	7	--	N	N	15	30	V	--	N	V	20	V	--
5FR2162B	20	10	20	--	N	<20	10	<10	N	--	N	150	200	N	--
5FR2162C	30	20	10	--	N	N	50	N	N	--	N	200	200	N	--
5FR2166B	30	50	50	--	N	<20	30	N	N	--	N	200	300	V	--
5FR2169C	50	150	10	--	N	20	100	<10	V	--	N	300	200	V	--
5FR2169D	10	20	10	--	N	<20	10	30	N	--	N	100	70	N	--
5FR2175	5	10	N	20	N	N	5	15	N	5	N	200	70	V	15
5FR2177	5	10	<5	N	100	N	10	30	N	5	N	300	30	V	10
5FR2187	5	N	<5	--	N	N	N	15	N	--	N	V	<10	V	--
5FR2196C	N	1,500	15	20	N	N	50	50	N	V	N	V	10	V	N
5FR2196D	70	1,500	5	20	N	N	1,000	10	N	N	N	N	10	N	N
5FR2196E	20	1,500	<5	20	N	N	300	<10	N	V	N	100	10	V	N
5FR2197	10	N	150	70	N	N	5	10	N	10	N	300	50	V	30
5FR3005	50	150	--	N	N	N	50	30	V	70	N	700	300	V	30
5FR3014	30	100	--	20	N	N	30	30	V	30	N	700	150	N	30

sample	S-ZN	S-ZR	AA-AU-P
5FR0921B	N	150	N
5FR0921C	N	70	N
5FR0921D	N	100	N
5FR0922	N	150	N
5FR0923B	N	200	N
5FR0923C	N	200	N
5FR0924A	N	150	N
5FR0924C	N	70	N
5FR0953	N	150	N
5FR0954	N	70	N
5FR0956B	N	70	<.05
5FR0957	N	N	N
5FR0963B	N	150	N
5FR0978A	N	150	N
5FR0989A	N	150	N
5FR0989B	N	100	N
5FR0989C	N	150	N
5FR0993A	N	100	N
5FR0995A	N	70	N
5FR0995B	N	200	N
5FR2090A	N	300	N
5FR2128	N	300	N
5FR2134B	N	300	N
5FR2134C	A	N	N
5FR2144B	N	500	N
5FR2146B	N	300	N
5FR2148C	N	200	N
5FR2149	N	200	N
5FR2152	N	150	N
5FR2153A	N	150	N
5FR2157A	N	100	N
5FR2162B	N	100	N
5FR2162C	N	100	N
5FR2166B	N	150	N
5FR2169C	N	150	N
5FR2169D	N	200	N
5FR2175	N	100	N
5FR2177	N	150	N
5FR2187	N	200	N
5FR2196C	200	N	N
5FR2196D	N	N	N
5FR2196E	N	N	N
5FR2197	N	150	<.05
5FR3005	200	70	.10
5FR3014	N	150	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-A5	S-AS	S-B	S-3A	S-BE	S-BI
SFR3031	64 24 52	144 42 39	--	--	--	--	--	N	N	10	700	2.0	N
SFR3034B	64 24 24	144 41 48	--	--	--	--	--	N	N	30	500	N	V
SFR3038B	64 23 43	144 42 19	15.00	10.00	.05	.003	700	N	N	10	V	N	N
SFR3039D	64 23 35	144 42 33	15.00	10.00	10.00	.020	700	N	N	<10	N	N	V
SFR3040	64 23 34	144 42 41	7.00	7.00	10.00	.100	700	N	N	<10	N	N	N
SFR3052B	64 26 57	144 49 8	--	--	--	--	--	N	N	20	700	1.0	V
SFR3053C	64 27 11	144 49 4	--	--	--	--	--	N	N	20	1,000	N	V
SFR3054D	64 27 52	144 49 33	2.00	.50	.20	.020	150	V	N	20	150	3.0	V
SFR3055E	64 28 13	144 49 47	--	--	--	--	--	N	N	10	700	1.0	N
SFR3062	64 25 51	144 46 19	--	--	--	--	--	N	N	<10	700	N	V
SFR3064	64 25 59	144 46 5	15.00	3.00	7.00	.500	1,000	N	N	10	1,000	1.0	V
SFR3067	64 25 55	144 44 48	15.00	5.00	10.00	.700	1,000	3.0	N	50	1,500	1.0	V
SFR3072B	64 26 17	144 33 28	--	--	--	--	--	N	N	10	700	1.0	V
SFR3072C	64 25 17	144 33 28	10.00	1.00	.05	.200	500	V	N	20	500	3.0	V
SFR3074	64 25 55	144 30 41	10.00	1.50	5.00	.500	700	N	N	10	700	2.0	V
SFR3080B	64 26 18	144 52 41	15.00	5.00	.10	.700	500	N	1,000	70	2,000	3.0	V
SFR3085D	64 26 53	144 54 17	.50	.10	1.50	.020	100	N	N	10	1,000	2.0	N
SFR3088	64 26 26	144 46 36	10.00	2.00	5.00	.500	1,000	V	N	<10	2,000	1.0	V
SFR3091	64 27 30	144 47 59	10.00	1.50	.05	.300	300	N	N	10	1,000	N	V
SFR3093B	64 27 47	144 48 25	--	--	--	--	--	V	N	<10	500	1.0	V
SFR3093C	64 27 47	144 48 25	7.00	2.00	.05	.200	700	N	N	20	700	3.0	N
SFR3099A	64 20 45	144 53 39	--	--	--	--	--	N	N	<10	300	1.0	V
SFR3101A	64 21 1	144 56 4	1.00	.50	.20	.050	150	N	N	15	300	N	N
SFR3102A	64 20 56	144 56 15	1.50	1.00	>20.00	.070	1,000	N	N	N	50	N	V
SFR3104C	64 20 56	144 57 28	15.00	10.00	.20	.002	700	N	N	<10	N	N	N
SFR3105D	64 21 1	144 58 40	2.00	.10	1.00	.030	150	V	N	10	500	7.0	N
SFR3106	64 23 34	145 3 24	--	--	--	--	--	N	N	<10	700	3.0	N
SFR3109	64 22 26	145 3 50	--	--	--	--	--	N	N	10	700	1.0	V
SFR3111A	64 21 47	145 3 2	--	--	--	--	--	V	N	<10	500	2.0	N
SFR3111B	64 21 47	145 3 2	--	--	--	--	--	N	N	<10	700	5.0	V
SFR3114	64 21 42	145 1 32	--	--	--	--	--	N	N	10	1,000	2.0	N
SFR3119D	64 34 54	144 55 27	15.00	10.00	.10	.005	700	V	N	<10	N	N	N
SFR3119F	64 34 54	144 55 27	15.00	5.00	7.00	.500	700	N	N	15	20	N	N
SFR3119H	64 34 54	144 55 27	10.00	10.00	10.00	.100	1,000	N	N	10	N	N	V
SFR3121A	64 34 11	144 50 20	--	--	--	--	--	N	N	20	500	7.0	N
SFR3121B	64 34 11	144 50 20	--	--	--	--	--	N	N	30	1,000	1.0	V
SFR3122A	64 33 56	144 46 50	--	--	--	--	--	N	N	<10	1,000	1.0	N
SFR3123	64 33 52	144 46 24	--	--	--	--	--	V	N	<10	1,500	2.0	N
SFR3126B	64 37 0	144 41 38	--	--	--	--	--	N	N	<10	500	N	N
SFR3127A	64 37 23	144 41 31	--	--	--	--	--	V	N	<10	1,500	3.0	V
SFR3129F	64 35 44	144 36 21	--	--	--	--	--	N	N	10	700	7.0	N
SFR3132A	64 35 12	144 35 16	--	--	--	--	--	N	N	10	N	N	V
SFR3132B	64 35 12	144 35 16	--	--	--	--	--	N	N	15	150	5.0	N
SFR3132C	64 35 12	144 35 16	--	--	--	--	--	V	N	10	2,000	3.0	V
SFR3132D	64 35 12	144 35 16	--	--	--	--	--	N	N	10	700	5.0	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
5FR3031	10	70	20	--	N	<20	30	<10	N	--	N	V	100	V	--
5FR3034B	30	300	30	--	N	N	50	<10	V	--	N	300	200	V	--
5FR3038B	150	1,500	20	N	N	N	3,000	10	N	10	N	N	30	V	N
5FR3039D	70	1,500	50	N	N	N	2,000	10	N	10	N	N	70	V	N
5FR3040	30	1,000	30	N	N	N	200	30	V	30	N	200	100	V	N
5FR3052B	10	100	20	--	N	20	10	10	N	--	N	100	200	V	--
5FR3053C	20	100	30	--	N	20	30	10	N	--	N	100	150	N	--
5FR3054D	5	N	15	N	N	N	15	30	V	V	N	V	10	V	N
5FR3055E	15	100	50	--	N	<20	30	20	N	--	N	V	200	V	--
5FR3062	10	20	10	--	N	N	15	15	N	--	N	N	70	V	--
5FR3064	30	300	--	20	N	N	70	20	N	50	N	500	200	N	30
5FR3067	30	300	--	N	N	N	70	30	N	70	N	500	300	V	30
5FR3072B	15	70	20	--	N	N	20	30	N	--	N	150	100	N	--
5FR3072C	15	70	20	--	N	N	30	20	V	10	N	V	100	V	N
5FR3074	20	30	--	N	N	N	20	30	N	15	N	500	100	N	20
5FR3080B	30	300	30	50	N	N	30	20	V	30	N	N	300	N	20
5FR3085D	5	N	5	N	N	N	10	50	N	N	N	300	10	V	N
5FR3088	5	20	N	N	N	N	7	20	N	10	N	200	50	V	N
5FR3091	5	70	30	N	N	N	30	10	V	15	N	100	100	N	N
5FR3093B	15	70	30	--	N	<20	20	30	N	--	15	150	150	V	--
5FR3093C	20	100	30	50	N	N	30	30	V	10	N	N	100	V	20
5FR3099A	30	10	30	--	N	<20	30	10	V	--	N	200	200	V	--
5FR3101A	10	N	5	N	N	N	30	20	N	N	N	300	20	N	N
5FR3102A	N	15	5	N	N	N	5	30	N	N	N	1,000	20	V	10
5FR3104C	150	5,000	<5	N	N	N	3,000	N	N	7	N	V	50	N	N
5FR3105D	5	N	7	N	N	N	5	50	N	V	N	200	10	V	50
5FR3106	10	30	5	--	N	<20	20	<10	N	--	N	100	100	N	--
5FR3109	10	70	10	--	N	<20	30	15	V	--	N	100	100	N	--
5FR3111A	<5	N	5	--	N	<20	5	15	V	--	N	100	30	V	--
5FR3111B	5	N	5	--	N	<20	5	20	N	--	10	100	50	V	--
5FR3114	10	N	<5	--	N	<20	5	20	N	--	N	200	70	N	--
5FR3119D	150	3,000	30	N	N	N	3,000	N	N	7	N	N	50	V	V
5FR3119F	30	1,000	30	N	N	N	150	N	N	30	N	N	150	V	20
5FR3119H	70	2,000	70	N	N	N	300	N	V	30	N	N	150	V	N
5FR3121A	20	70	15	--	N	N	50	20	N	--	N	100	100	N	--
5FR3121B	20	70	150	--	N	<20	70	50	N	--	N	200	100	N	--
5FR3122A	10	50	20	--	N	<20	30	30	N	--	N	100	100	V	--
5FR3123	10	10	5	--	N	<20	5	30	N	--	N	500	150	V	--
5FR3126B	10	30	10	--	N	<20	30	10	N	--	N	100	100	N	--
5FR3127A	N	10	5	--	N	<20	10	70	N	--	N	300	20	V	--
5FR3129F	20	70	5	--	N	20	70	30	V	--	N	100	150	V	--
5FR3132A	70	200	100	--	N	30	150	30	V	--	N	500	200	N	--
5FR3132B	5	20	7	--	N	N	10	30	N	--	N	100	50	N	--
5FR3132C	N	70	50	--	N	<20	5	70	N	--	N	100	150	V	--
5FR3132D	20	70	50	--	N	<20	30	70	V	--	15	500	150	V	--

sample	S-ZN	S-ZR	AA-AU-P
SFR3031	N	300	N
SFR3034B	N	100	N
SFR3038B	N	N	--
SFR3039D	N	N	--
SFR3040	N	N	--
SFR3052B	N	200	N
SFR3053C	N	300	N
SFR3054D	N	50	N
SFR3055E	N	200	N
SFR3062	A	200	N
SFR3064	200	50	N
SFR3067	200	150	N
SFR3072B	N	150	N
SFR3072C	N	150	N
SFR3074	N	200	N
SFR3080B	N	300	1.00
SFR3085D	N	20	N
SFR3088	200	150	N
SFR3091	N	150	N
SFR3093B	N	200	N
SFR3093C	N	150	N
SFR3099A	N	100	N
SFR3101A	N	20	N
SFR3102A	N	50	N
SFR3104C	N	N	--
SFR3105D	N	30	N
SFR3106	N	150	N
SFR3109	N	300	N
SFR3111A	N	150	N
SFR3111B	A	300	N
SFR3114	N	200	N
SFR3119D	N	N	--
SFR3119F	<200	70	--
SFR3119H	N	N	--
SFR3121A	N	200	N
SFR3121B	N	200	N
SFR3122A	N	300	N
SFR3123	N	200	N
SFR3126B	N	300	N
SFR3127A	N	150	N
SFR3129F	N	200	N
SFR3132A	N	200	N
SFR3132B	N	N	N
SFR3132C	N	150	N
SFR3132D	200	100	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAX	S-TIX	S-MN	S-A3	S-AS	S-B	S-3A	S-BE	S-BI
5FR3132E	64 35 12	144 35 16	--	--	--	--	--	N	N	10	N	1.0	15
5FR3144	64 32 5	144 38 12	--	--	--	--	--	N	N	<10	700	1.0	V
5FR3155	64 34 23	144 36 44	--	--	--	--	--	N	N	<10	700	2.0	N
5FR3177G	64 35 49	144 35 30	--	--	--	--	--	N	N	<10	300	10.0	N
5FR3178C	64 35 57	144 35 4	--	--	--	--	--	N	N	<10	3,000	3.0	N
5FR3190A	64 39 29	144 22 59	--	--	--	--	--	V	N	10	700	3.0	N
5FR3190B	64 39 29	144 22 59	--	--	--	--	--	.5	N	20	500	3.0	N
5FR3190C	64 39 29	144 22 59	--	--	--	--	--	10.0	N	30	50	2.0	V
5FR3190D	64 39 29	144 22 59	--	--	--	--	--	N	N	N	150	N	N
5FR3217	64 37 41	144 21 2	--	--	--	--	--	10.0	N	100	1,000	3.0	N
5FR3228	64 37 26	144 26 48	--	--	--	--	--	N	N	10	N	N	N
5FR3229B	64 37 35	144 27 10	--	--	--	--	--	V	N	10	N	N	N
5FR3246A	64 34 50	144 26 57	--	--	--	--	--	N	N	10	700	3.0	N
5FR3249A	64 34 36	144 26 21	--	--	--	--	--	N	N	10	100	3.0	V
5FR3252A	64 34 9	144 26 21	--	--	--	--	--	N	N	700	150	10.0	N
5FR3260A	64 32 5	144 22 9	--	--	--	--	--	N	N	20	700	3.0	V
5FR3267A	64 36 19	144 28 19	--	--	--	--	--	N	N	1,500	1,000	3.0	N
5FR3275	64 42 32	144 34 22	--	--	--	--	--	V	N	10	N	3.0	N
5FR3278B	64 44 44	145 2 43	--	--	--	--	--	N	N	<10	N	N	N
5FR3284	64 51 17	144 10 29	--	--	--	--	--	N	N	<10	700	3.0	V
5FR3290	64 52 0	144 10 10	--	--	--	--	--	N	N	<10	1,000	1.0	V
5FR3293	64 53 48	144 13 20	--	--	--	--	--	N	N	70	3,000	1.0	V
5FR3309C	64 53 40	144 6 46	--	--	--	--	--	N	N	500	1,000	5.0	N
5FR3313	64 52 32	144 5 38	--	--	--	--	--	N	N	10	N	N	V
5FR3338F	64 54 26	144 17 48	--	--	--	--	--	N	N	10	50	N	V
5FR3340B	64 54 2	144 18 8	--	--	--	--	--	N	N	<10	1,500	N	N
5FR3341A	64 52 13	144 20 58	--	--	--	--	--	V	N	10	5,000	1.0	N
5FR3341B	64 52 13	144 20 58	--	--	--	--	--	N	N	30	>5,000	1.0	V
5FR3343A	64 52 32	144 20 38	15.00	5.00	10.00	.300	700	N	N	10	1,000	N	N
5FR3347	64 53 35	144 20 31	--	--	--	--	--	N	N	70	1,500	1.0	V
5FR3349B	64 53 44	144 20 38	--	--	--	--	--	N	N	15	700	N	N
5FR3350B	64 53 50	144 20 48	--	--	--	--	--	V	N	20	300	N	V
5FR3364B	64 55 9	144 23 12	--	--	--	--	--	N	N	10	300	N	V
5FR3365A	64 55 4	144 23 5	--	--	--	--	--	N	N	<10	200	N	V
5FR3365C	64 55 4	144 23 5	--	--	--	--	--	N	N	<10	200	N	N
5FR3366C	64 30 30	145 4 46	--	--	--	--	--	N	N	10	1,000	1.0	V
5FR3369D	64 24 23	145 3 29	--	--	--	--	--	N	N	10	1,500	3.0	V
5FR3370	64 29 4	145 3 41	3.00	.10	<.05	.100	100	V	N	10	50	N	V
5FR3373	64 28 14	145 3 37	--	--	--	--	--	N	N	50	1,500	1.0	V
5FR3374A	64 28 8	144 3 34	--	--	--	--	--	N	N	50	1,500	2.0	V
5FR3374B	64 28 8	145 3 33	1.50	.02	<.05	.050	20	V	N	10	300	N	V
5FR3374C	64 28 8	144 3 34	--	--	--	--	--	N	N	20	1,500	N	V
5FR3374D	64 28 8	144 3 34	--	--	--	--	--	N	N	50	1,500	2.0	N
5FR3375A	64 28 5	145 4 9	--	--	--	--	--	V	N	30	2,000	3.0	V
5FR3377A	64 27 47	145 4 22	--	--	--	--	--	N	N	30	1,000	5.0	V

Big Delta Quad--Rocks--continued

Sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SM	S-SR	S-V	S-W	S-Y
5FR3132E	50	150	5	--	N	20	100	30	N	--	30	500	200	V	--
5FR3144	N	N	<5	--	N	<20	5	20	V	--	N	200	50	V	--
5FR3155	5	N	<5	--	N	<20	5	50	N	--	N	100	50	V	--
5FR3177G	N	N	5	--	N	50	5	15	N	--	N	V	10	V	--
5FR3178C	N	N	5	--	N	20	5	30	N	--	N	100	70	V	--
5FR3190A	N	N	30	--	N	<20	5	150	N	--	N	100	50	V	--
5FR3190B	5	20	300	--	N	N	15	300	V	--	N	100	50	V	--
5FR3190C	5	20	3,000	--	20	N	5	1,500	V	--	N	100	20	V	--
5FR3190D	30	2,000	100	--	N	N	1,500	30	N	--	N	700	20	V	--
5FR3217	5	100	5,000	--	V	N	30	3,000	N	--	N	300	70	V	--
5FR3228	50	100	150	--	N	N	70	10	V	--	15	100	300	V	--
5FR3229B	50	100	100	--	N	N	70	N	N	--	N	100	300	V	--
5FR3246A	15	100	50	--	N	N	20	30	N	--	N	100	200	V	--
5FR3249A	15	20	200	--	N	N	50	30	N	--	N	300	200	V	--
5FR3252A	5	20	30	--	N	100	10	50	V	--	N	N	30	V	--
5FR3260A	20	100	30	--	N	N	70	30	V	--	N	100	150	V	--
5FR3267A	10	200	30	--	N	N	10	30	N	--	10	N	150	V	--
5FR3275	N	N	7	--	N	<20	10	50	V	--	N	V	20	V	--
5FR3278B	70	500	7	--	N	N	1,000	N	V	--	N	300	20	V	--
5FR3284	5	N	<5	--	N	N	5	30	V	--	N	200	70	V	--
5FR3290	10	10	<5	--	N	N	5	10	N	--	N	200	150	V	--
5FR3293	N	N	20	--	N	N	5	20	N	--	N	100	50	V	--
5FR3309C	30	300	30	--	N	N	70	30	V	--	N	200	200	V	--
5FR3313	70	2,000	5	--	N	N	2,000	N	V	--	N	100	200	V	--
5FR3338F	N	10	<5	--	N	N	20	<10	V	--	N	1,500	70	V	--
5FR3340B	N	N	15	--	N	N	10	<10	V	--	N	V	70	V	--
5FR3341A	20	50	70	--	N	<20	70	<10	V	--	N	100	200	V	--
5FR3341B	10	30	70	--	N	N	50	10	V	--	N	V	150	V	--
5FR3343A	100	1,000	50	--	N	N	150	15	N	30	N	200	200	V	--
5FR3347	20	200	30	--	N	N	70	<10	N	--	N	V	70	V	--
5FR3349B	70	300	50	--	N	N	150	20	V	--	N	V	200	V	--
5FR3350B	50	70	30	--	N	N	70	N	N	--	N	V	200	V	--
5FR3364B	20	150	10	--	N	N	150	<10	N	--	N	V	150	V	--
5FR3365A	50	300	70	--	N	N	300	<10	V	--	N	200	150	V	--
5FR3365C	30	150	50	--	N	N	150	<10	N	--	N	V	150	V	--
5FR3366C	10	70	50	--	N	<20	20	30	V	--	N	V	500	V	--
5FR3369D	20	70	50	--	N	<20	50	50	N	--	N	100	200	V	--
5FR3370	5	30	20	20	N	N	15	10	N	--	N	500	100	V	--
5FR3373	10	100	70	--	N	<20	10	15	N	5	N	300	150	V	--
5FR3374A	20	100	70	--	N	<20	30	50	V	--	N	100	150	V	--
5FR3374B	N	10	10	N	N	N	5	N	N	--	N	V	200	V	--
5FR3374C	100	2,000	70	--	N	N	300	10	N	N	N	500	30	N	N
5FR3374D	20	150	10	--	N	<20	10	<10	N	--	N	300	300	V	--
5FR3375A	30	150	70	--	N	20	70	70	V	--	N	300	300	V	--
5FR3377A	N	10	<5	--	N	<20	10	70	N	--	N	100	150	V	--
											10	100	30	N	N

AA-AU-P

S-ZR

S-ZN

sample

sample	S-ZN	S-ZR	AA-AU-P
SFR3132E	200	150	N
SFR3144	N	150	N
SFR3155	N	150	N
SFR3177G	N	300	N
SFR3178C	N	200	N
SFR3190A	300	100	N
SFR3190B	2,000	100	N
SFR3190C	N	30	N
SFR3190D	N	N	N
SFR3217	3,000	150	N
SFR3228	N	100	N
SFR3229B	N	100	N
SFR3246A	N	150	N
SFR3249A	N	300	N
SFR3252A	N	100	N
SFR3260A	N	200	N
SFR3267A	N	100	N
SFR3275	N	70	N
SFR3278B	N	N	N
SFR3284	N	150	N
SFR3290	N	100	N
SFR3293	N	150	N
SFR3309C	N	150	N
SFR3313	N	N	N
SFR3338F	N	N	N
SFR3340B	N	N	N
SFR3341A	N	150	N
SFR3341B	N	70	N
SFR3343A	N	50	--
SFR3347	N	150	N
SFR3349B	200	70	N
SFR3350B	N	100	N
SFR3364B	N	30	N
SFR3365A	N	150	N
SFR3365C	N	150	N
SFR3366C	N	200	N
SFR3369D	N	150	N
SFR3370	N	70	N
SFR3373	N	300	N
SFR3374A	N	300	N
SFR3374B	N	20	N
SFR3374C	N	100	N
SFR3374D	N	150	N
SFR3375A	200	200	N
SFR3377A	N	150	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-43	S-AS	S-B	S-3A	S-BE	S-3I
SFR3378	64 27 42	144 4 23	--	--	--	--	--	N	N	<10	2,000	7.0	N
SFR3382	64 27 24	145 5 50	--	--	--	--	--	N	N	<10	700	7.0	V
SFR3384C	64 27 15	145 7 58	--	--	--	--	--	N	N	100	700	5.0	N
SFR3390A	64 27 23	145 10 19	2.00	.70	2.00	500	--	N	N	<10	300	1.0	V
SFR3392A	64 27 14	145 11 13	--	--	--	--	--	N	N	<10	1,000	2.0	N
SFR3392C	64 27 14	145 11 13	--	--	--	--	--	N	N	10	1,000	7.0	V
SFR3392D	64 27 14	145 11 13	--	--	--	--	--	N	N	30	500	7.0	V
SFR3393A	64 24 32	145 11 30	--	--	--	--	--	N	N	30	500	3.0	V
SFR3402	64 52 50	144 13 54	15.00	5.00	10.00	1,000	--	N	N	<10	20	N	N
SFR3405B	64 53 45	144 16 0	--	--	--	--	--	N	N	70	5,000	N	V
SFR3406	64 53 17	144 16 46	--	--	--	--	--	N	N	30	1,500	1.0	V
SFR3409	64 52 11	144 19 59	--	--	--	--	--	N	N	200	5,000	1.0	V
SFR3410B	64 52 1	144 21 26	--	--	--	--	--	N	N	200	500	N	V
SFR3411D	64 51 51	144 21 44	3.00	1.50	1.50	700	--	N	N	<10	500	2.0	V
SFR3416A	64 54 51	144 26 7	--	--	--	--	--	N	N	10	N	N	V
SFR3431	64 28 2	145 2 40	--	--	--	--	--	N	N	10	700	1.0	V
SFR3433	64 28 0	145 1 38	--	--	--	--	--	N	N	10	1,500	N	N
SFR3435	64 28 6	145 0 29	--	--	--	--	--	N	N	10	1,000	1.0	V
SFR3442	64 47 12	144 44 50	--	--	--	--	--	N	N	30	700	2.0	V
SFR3445	64 47 45	144 45 0	--	--	--	--	--	N	N	70	500	5.0	V
SFR3449A	64 47 17	144 40 29	--	--	--	--	--	N	N	10	300	N	N
SFR3451	64 47 7	144 40 27	--	--	--	--	--	N	N	10	200	N	V
SFR3452E	64 46 31	144 29 25	--	--	--	--	--	N	N	<10	N	N	N
SFR3477B	64 46 23	144 55 49	--	--	--	--	--	N	N	20	500	1.0	N
SFR3478B	64 46 32	144 48 5	--	--	--	--	--	N	N	70	2,000	5.0	N
SFR3489	64 44 14	145 0 48	--	--	--	--	--	N	N	50	1,000	2.0	V
SFR3501C	64 45 55	145 8 26	1.00	.07	2.00	500	--	N	N	<10	50	2.0	N
SFR4020	64 34 37	144 32 12	--	--	--	--	--	N	N	20	2,000	1.0	V
SFR4039B	64 44 41	144 7 0	--	--	--	--	--	N	N	30	200	7.0	N
SFR4041A	64 44 38	144 8 13	--	--	--	--	--	N	N	30	300	7.0	15
SFR4041B	64 44 38	144 8 13	--	--	--	--	--	N	N	10	1,500	3.0	V
SFR4042	64 44 35	144 8 39	--	--	--	--	--	N	N	150	300	3.0	V
SFR4043	64 44 32	144 9 2	--	--	--	--	--	N	N	10	1,500	1.0	50
SFR4044A	64 44 43	144 9 7	--	--	--	--	--	N	N	30	300	3.0	V
SFR4044B	64 44 43	144 9 7	--	--	--	--	--	N	N	20	1,000	2.0	10
SFR4045	64 44 54	144 9 42	--	--	--	--	--	N	N	50	1,500	3.0	N
SFR4046	64 44 57	144 10 32	--	--	--	--	--	N	N	<10	1,000	7.0	V
SFR4047A	64 44 52	144 12 5	--	--	--	--	--	N	N	10	700	2.0	V
SFR4047B	64 44 52	144 12 5	--	--	--	--	--	N	N	10	1,000	2.0	V
SFR4048	64 45 14	144 12 24	--	--	--	--	--	N	N	10	1,000	1.0	V
SFR4060B	64 20 8	145 20 8	--	--	--	--	--	N	N	20	700	5.0	N
SFR4064	64 20 52	145 17 30	--	--	--	--	--	N	N	<10	700	<1.0	V
SFR4067A	64 55 9	144 57 39	--	--	--	--	--	N	N	<10	500	1.0	V
SFR4077B	64 53 53	144 55 14	--	--	--	--	--	N	N	<10	700	1.0	N
SFR4080C	64 53 22	144 54 29	--	--	--	--	--	N	N	<10	500	1.0	V

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SM	S-SR	S-V	S-W	S-Y
SFR3378	N	15	<5	--	N	<20	5	70	N	--	N	50J	150	V	--
SFR3382	N	10	<5	--	N	20	10	30	V	--	10	100	50	V	--
SFR3384C	N	10	<5	--	N	20	10	20	N	--	N	N	50	N	--
SFR3390A	5	10	20	N	N	N	5	10	N	10	N	V	70	V	15
SFR3392A	N	N	<5	--	N	<20	5	70	N	--	N	200	50	V	--
SFR3392C	N	N	<5	--	N	<20	5	70	N	--	N	100	30	V	--
SFR3392D	N	N	10	--	N	20	10	50	N	--	N	100	50	V	--
SFR3393A	N	10	<5	--	N	<20	10	50	V	--	10	N	50	V	--
SFR3402	30	300	30	N	N	N	70	10	N	30	N	100	300	V	30
SFR3405B	50	30	70	--	N	<20	70	N	V	--	N	500	300	V	--
SFR3406	15	200	50	--	N	<20	10	20	N	--	N	300	100	N	--
SFR3409	N	N	5	--	N	20	5	70	N	--	N	100	50	V	--
SFR3410B	100	500	200	--	N	N	200	N	V	--	N	100	700	V	--
SFR34110	20	30	30	20	N	50	50	N	V	10	N	N	150	N	20
SFR3416A	150	1,000	500	--	N	N	700	10	N	--	N	700	200	N	--
SFR3431	10	50	30	--	N	N	10	15	<100	--	N	100	200	N	--
SFR3433	10	70	50	--	N	<20	30	30	<100	--	N	200	150	V	--
SFR3435	30	70	50	--	N	<20	70	30	<100	--	N	150	150	V	--
SFR3442	20	50	20	--	N	<20	50	<10	<100	--	N	N	150	N	--
SFR3445	30	50	70	--	N	<20	30	30	<100	--	N	100	150	N	--
SFR3449A	70	70	70	--	V	N	100	N	<100	--	N	100	300	V	--
SFR3451	50	70	50	--	N	<20	50	<10	<100	--	N	300	300	V	--
SFR3452E	70	1,000	30	--	N	N	1,500	N	N	--	N	N	50	N	--
SFR3477B	20	50	20	--	N	<20	50	15	N	--	N	200	100	V	--
SFR3478B	15	100	20	--	N	<20	50	30	<100	--	N	N	150	V	--
SFR3489	20	50	20	--	N	<20	50	15	<100	--	N	V	150	V	--
SFR3501C	N	N	N	N	N	N	10	N	N	N	N	N	20	N	N
SFR4020	10	20	20	--	N	<20	10	50	N	--	N	200	100	N	--
SFR4039B	N	N	10	--	N	50	5	50	V	--	15	V	20	V	--
SFR4041A	N	10	<5	--	N	20	10	70	N	--	10	N	20	V	--
SFR4041B	10	N	20	--	N	<20	5	30	N	--	N	300	100	N	--
SFR4042	5	10	15	--	N	N	5	50	N	--	20	100	70	V	--
SFR4043	10	20	30	--	N	N	5	70	N	--	70	700	70	V	--
SFR4044A	N	N	15	--	N	<20	10	50	V	--	N	V	20	N	--
SFR4044B	15	10	100	--	N	N	5	30	N	--	30	200	100	N	--
SFR4045	10	10	30	--	5	N	20	30	V	--	<10	300	70	V	--
SFR4046	10	10	10	--	N	20	5	30	V	--	N	500	70	V	--
SFR4047A	70	300	100	--	N	70	200	10	V	--	N	500	200	V	--
SFR4047B	N	10	50	--	N	<20	5	30	N	--	20	200	150	N	--
SFR4048	5	10	30	--	N	N	5	20	V	--	10	100	70	V	--
SFR4060B	10	20	10	--	N	<20	10	50	V	--	N	100	100	V	--
SFR4064	N	20	15	--	N	<20	15	<10	N	--	N	V	100	V	--
SFR4067A	10	50	<5	--	N	N	5	10	N	--	N	N	10	N	--
SFR4077B	30	20	70	--	N	<20	30	N	N	--	N	300	300	V	--
SFR4080C	15	70	<5	--	N	N	30	N	V	--	N	N	100	V	--

sample	S-ZN	S-ZR	AA-AU-P
5FR3378	N	200	N
5FR3382	N	150	N
5FR3384C	N	300	N
5FR3390A	N	150	N
5FR3392A	N	150	N
5FR3392C	N	150	N
5FR3392D	N	150	.20
5FR3393A	N	150	N
5FR3402	<200	70	--
5FR3405B	200	150	N
5FR3406	N	150	N
5FR3409	N	200	N
5FR3410B	300	150	N
5FR3411D	N	100	N
5FR3416A	200	100	N
5FR3431	N	200	N
5FR3433	N	200	N
5FR3435	N	200	N
5FR3442	N	150	N
5FR3445	200	150	N
5FR3449A	200	150	N
5FR3451	N	100	N
5FR3452E	N	N	N
5FR3477B	N	300	N
5FR3478B	200	150	N
5FR3489	N	200	N
5FR3501C	N	N	N
5FR4020	N	150	N
5FR4039B	<200	200	N
5FR4041A	N	100	N
5FR4041B	N	150	N
5FR4042	N	100	N
5FR4043	N	150	N
5FR4044A	N	200	N
5FR4044B	N	150	N
5FR4045	N	70	N
5FR4046	N	150	N
5FR4047A	N	300	N
5FR4047B	N	150	N
5FR4048	N	100	N
5FR4060B	N	150	N
5FR4064	N	100	N
5FR4067A	N	200	N
5FR4077B	<200	150	N
5FR4080C	N	200	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AS	S-B	S-3A	S-8E	S-3I
5FR4083C	64 53 12	144 53 9	--	--	--	--	--	N	<10	700	1.0	N
5FR4086B	64 30 30	144 5 12	--	--	--	--	--	N	30	500	2.0	V
5FR4089	64 32 7	144 22 18	--	--	--	--	--	N	20	500	1.0	N
5FR4090C	64 32 3	144 22 18	.50	.10	.50	.100	70	N	30	700	<1.0	N
5FR4091	64 31 58	144 22 10	3.00	.50	.20	.500	300	N	10	700	N	V
5FR4092	64 31 45	144 22 18	--	--	--	--	--	N	<10	700	1.0	V
5FR4094B	64 31 26	144 22 50	--	--	--	--	--	N	<10	200	N	N
5FR4094C	64 31 26	144 22 50	--	--	--	--	--	N	<10	300	N	N
5FR4094D	64 31 26	144 22 50	--	--	--	--	--	N	<10	N	N	N
5FR4116A	64 43 41	144 16 31	--	--	--	--	--	N	20	700	2.0	N
5FR4119A	64 44 21	144 18 6	--	--	--	--	--	N	30	700	1.0	N
5FR4120A	64 44 35	144 19 14	--	--	--	--	--	N	10	500	<1.0	N
5FR4121A	64 44 49	144 19 28	--	--	--	--	--	N	10	500	<1.0	N
5FR4132	64 46 22	144 28 6	--	--	--	--	--	N	N	N	N	V
5FR4149	64 34 31	144 0 52	--	--	--	--	--	N	10	500	<1.0	N
5FR4152A	64 34 47	144 1 15	--	--	--	--	--	N	10	700	<1.0	N
5FR4154	64 35 2	144 1 9	--	--	--	--	--	N	10	700	<1.0	V
5FR4155B	64 35 9	144 1 9	--	--	--	--	--	N	20	200	2.0	N
5FR4156A	64 35 13	144 1 18	--	--	--	--	--	N	30	300	3.0	N
5FR4156B	64 35 13	144 1 18	2.00	.10	<.05	.100	50	N	10	150	3.0	N
5FR4156C	64 35 13	144 1 18	--	--	--	--	--	N	50	700	3.0	N
5FR4158B	64 35 27	144 2 18	.50	.10	<.05	.030	100	N	20	150	5.0	V
5FR4159A	64 35 17	144 2 59	--	--	--	--	--	N	10	700	1.0	N
5FR4160B	64 35 12	144 3 10	--	--	--	--	--	N	10	300	3.0	N
5FR4162A	64 44 30	144 17 22	2.00	.20	.05	.300	500	N	20	500	1.0	N
5FR4165A	64 45 10	144 17 44	1.00	.50	.05	.150	70	N	<10	300	<1.0	V
5FR4166	64 45 16	144 18 5	--	--	--	--	--	N	50	200	1.0	N
5FR4167	64 45 38	144 19 0	--	--	--	--	--	N	100	700	1.0	N
5FR4174C	64 42 33	144 6 50	2.00	.50	.20	.150	70	N	15	N	N	V
5FR4177A	64 42 6	144 7 27	--	--	--	--	--	N	70	500	1.0	V
5FR4179A	64 41 56	144 7 47	--	--	--	--	--	N	20	500	<1.0	N
5FR4183	64 43 9	144 7 33	5.00	1.00	.50	.500	200	N	30	500	1.0	V
5FR4184A	64 43 5	144 7 49	--	--	--	--	--	N	100	1,000	1.0	V
5FR4185A	64 43 1	144 7 59	--	--	--	--	--	N	50	1,000	3.0	V
5FR4188	64 47 21	144 7 0	1.00	.30	1.00	.200	300	N	<10	700	1.0	N
5FR4189B	64 47 5	144 7 9	--	--	--	--	--	N	>2,000	200	2.0	V
5FR4189C	64 47 5	144 7 9	3.00	1.00	1.00	.200	500	N	100	2,000	2.0	V
5FR4189D	64 47 5	144 7 9	1.00	.20	1.00	.300	150	N	50	N	1.0	<10
5FR4190	64 47 3	144 7 24	.50	.20	.30	.200	30	N	50	700	2.0	N
5FR4194A	64 47 4	144 8 59	1.50	.20	.20	.500	30	N	20	N	2.0	<10
5FR4195D	64 47 8	144 9 28	3.00	.70	2.00	.200	300	N	30	500	3.0	N
5FR4196	64 47 3	144 9 44	.07	.02	.20	.010	30	N	<10	N	1.0	V
5FR4197A	64 47 3	144 9 56	.70	.05	.20	.050	50	N	<10	300	2.0	V
5FR4205	64 51 2	144 1 28	2.00	.50	1.00	.500	150	N	10	700	N	V
5FR4205A	64 51 2	144 1 28	5.00	1.00	7.00	.200	300	N	10	1,000	3.0	V

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y
SFR4083C	N	N	10	--	N	20	N	N	N	--	N	N	<10	N	--
SFR4086B	N	N	<5	--	N	N	S	15	N	--	<10	N	10	V	--
SFR4089	15	70	30	--	N	N	50	15	V	--	N	V	70	V	--
SFR4090C	N	N	<5	20	N	N	S	15	N	5	N	150	<10	V	V
SFR4091	15	100	20	150	N	N	70	10	N	15	N	N	70	N	20
SFR4092	15	N	<5	--	N	N	<5	10	V	--	N	200	70	V	--
SFR4094B	30	300	30	--	N	N	70	N	V	--	N	V	150	V	--
SFR4094C	30	200	15	--	N	N	70	10	N	--	N	200	150	V	--
SFR4094D	10	20	150	--	N	N	10	<10	N	--	N	N	30	N	--
SFR4116A	15	100	20	--	N	N	30	<10	N	--	N	V	70	N	--
SFR4119A	15	100	30	--	N	N	50	10	V	--	N	V	70	N	--
SFR4120A	10	70	<5	--	N	N	10	<10	V	--	N	100	20	V	--
SFR4121A	10	50	<5	--	N	N	10	<10	N	--	N	N	20	V	--
SFR4132	N	N	<5	--	N	N	5	10	N	--	N	N	<10	V	--
SFR4149	15	70	10	--	N	N	30	<10	V	--	N	100	50	V	--
SFR4152A	N	N	<5	--	N	N	N	10	N	--	N	100	<10	V	--
SFR4154	30	150	15	--	N	N	30	<10	N	--	N	150	70	V	--
SFR4155B	N	N	N	--	N	N	N	<10	V	--	N	V	<10	V	--
SFR4156A	N	N	<5	--	N	N	5	15	N	--	15	V	70	V	--
SFR4156B	N	N	7	20	N	N	5	10	N	5	N	N	<10	N	30
SFR4156C	N	N	<5	--	N	N	5	15	N	--	N	N	10	N	--
SFR4158B	N	N	<5	20	N	N	5	15	N	5	30	N	<10	V	50
SFR4159A	N	N	<5	--	N	N	5	15	V	--	N	100	10	V	--
SFR4160B	N	N	<5	--	N	N	5	15	N	--	N	N	<10	V	--
SFR4162A	10	70	5	20	N	N	30	<10	N	10	N	N	50	N	20
SFR4165A	10	30	<5	20	N	N	5	N	V	5	N	N	20	V	15
SFR4166	15	70	30	--	N	N	30	10	N	--	N	V	50	V	--
SFR4167	15	150	10	--	N	N	30	20	N	--	N	N	70	N	--
SFR4174C	10	30	10	20	N	N	5	10	N	5	N	N	10	N	15
SFR4177A	15	300	10	--	N	N	30	N	V	--	N	V	70	V	--
SFR4179A	15	100	10	--	N	N	30	N	V	--	N	N	50	V	--
SFR4183	10	150	30	50	N	N	5	15	V	10	N	N	70	V	20
SFR4184A	15	150	200	--	N	N	50	30	N	--	20	N	200	V	--
SFR4185A	10	30	<5	--	N	N	5	20	N	--	N	300	50	V	--
SFR4188	N	N	N	50	N	N	N	15	V	5	N	200	10	V	10
SFR4189B	5	N	<5	--	N	N	5	N	N	--	200	500	70	V	--
SFR4189C	N	10	50	70	N	N	5	30	N	10	15	300	50	N	20
SFR4189D	N	N	70	20	N	N	N	<10	V	7	70	150	20	V	30
SFR4190	N	N	70	20	N	N	<5	15	N	N	N	500	<10	V	N
SFR4194A	N	N	100	20	N	N	N	10	V	5	10	200	10	N	N
SFR4195D	15	10	100	N	N	50	5	15	V	10	N	300	30	V	20
SFR4196	N	N	N	20	N	N	N	20	V	N	N	V	<10	V	30
SFR4197A	N	N	<5	20	N	N	N	15	N	N	N	150	<10	V	30
SFR4205	N	50	10	50	N	N	5	15	V	10	N	150	30	V	10
SFR4205A	30	100	100	70	N	N	50	N	N	15	N	500	70	V	30

sample	S-ZN	S-ZR	AA-AU-P
5FR4083C	N	200	N
5FR4086B	N	100	N
5FR4089	N	200	N
5FR4090C	N	50	N
5FR4091	N	300	N
5FR4092	N	100	N
5FR4094B	N	70	N
5FR4094C	N	70	N
5FR4094D	N	150	N
5FR4116A	N	150	<.05
5FR4119A	N	150	N
5FR4120A	N	150	<.05
5FR4121A	N	150	N
5FR4132	N	N	.40
5FR4149	N	200	N
5FR4152A	N	150	N
5FR4154	N	200	N
5FR4155B	N	70	N
5FR4156A	N	150	N
5FR4156B	N	150	N
5FR4156C	N	150	N
5FR4158B	N	150	N
5FR4159A	N	100	N
5FR4160B	N	150	<.05
5FR4162A	N	150	N
5FR4165A	N	150	N
5FR4166	N	150	N
5FR4167	N	200	N
5FR4174C	N	200	N
5FR4177A	N	200	N
5FR4179A	N	200	N
5FR4183	N	200	N
5FR4184A	N	200	N
5FR4185A	N	150	N
5FR4188	N	70	N
5FR4189B	N	200	N
5FR4189C	N	150	N
5FR4189D	N	100	N
5FR4190	N	50	N
5FR4194A	N	150	.05
5FR4195D	N	150	N
5FR4196	N	50	N
5FR4197A	N	50	N
5FR4205	N	100	N
5FR4205A	N	150	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AS	S-B	S-3A	S-BE	S-3I
SFR4207A	64 59 17	144 55 49	--	--	--	--	--	N	50	700	1.0	N
SFR4211C	64 58 33	144 54 20	--	--	--	--	--	N	50	500	2.0	V
SFR4215D	64 57 30	144 54 46	--	--	--	--	--	N	15	700	2.0	V
SFR4218B	64 57 25	144 56 12	--	--	--	--	--	N	70	700	3.0	N
SFR4223C	64 57 53	144 57 56	--	--	--	--	--	N	30	200	N	N
SFR4232C	64 56 53	145 3 43	--	--	--	--	--	N	20	500	N	V
SFR4242	64 52 20	144 56 39	--	--	--	--	--	N	10	500	N	N
SFR4247C	64 52 22	145 0 12	2.00	2.00	1.00	.500	150	N	30	1,000	1.0	V
SFR4253B	64 23 32	145 1 31	--	--	--	--	--	N	100	1,000	2.0	N
SFR4257C	64 23 27	144 59 27	--	--	--	--	--	N	10	N	N	N
SFR4261	64 28 5	145 0 20	--	--	--	--	--	N	20	500	N	V
SFR4265B	64 27 12	144 57 20	--	--	--	--	--	N	1,000	N	1.0	V
SFR4272	64 49 40	144 52 19	--	--	--	--	--	N	50	500	3.0	N
SFR4286C	64 49 46	144 57 34	--	--	--	--	--	N	10	N	1.0	V
SFR4287D	64 49 24	144 58 40	--	--	--	--	--	N	100	500	1.0	N
SFR4288B	64 32 41	144 15 57	--	--	--	--	--	N	10	700	<1.0	V
SFR4298	64 33 45	144 18 6	--	--	--	--	--	N	10	200	N	N
SFR4299C	64 33 35	144 18 11	--	--	--	--	--	N	15	300	<1.0	V
SFR4309	64 36 47	144 13 29	--	--	--	--	--	N	50	N	7.0	V
SFR4310B	64 53 13	145 2 36	--	--	--	--	--	N	150	1,500	1.0	V
SFR4311B	64 53 18	145 3 7	--	--	--	--	--	N	10	700	1.0	N
SFR4315A	64 52 45	145 6 6	--	--	--	--	--	N	50	1,500	<1.0	V
SFR4318	64 52 37	145 7 59	--	--	--	--	--	N	30	3,000	<1.0	N
SFR4319B	64 53 44	145 3 5	--	--	--	--	--	N	10	700	1.0	V
SFR4326B	64 53 57	145 5 8	--	--	--	--	--	N	15	700	1.0	N
SFR4327	64 53 59	145 5 20	--	--	--	--	--	N	20	N	3.0	V
SFR4331B	64 59 58	145 25 27	--	--	--	--	--	N	10	N	N	V
SFR4334	64 59 21	145 24 21	--	--	--	--	--	N	200	1,500	1.0	V
SFR4335	64 59 8	145 24 29	--	--	--	--	--	N	200	2,000	1.0	N
SFR4340A	64 57 25	145 23 30	2.00	.15	.05	.020	150	N	10	N	N	V
SFR4356H	64 42 2	145 25 50	7.00	10.00	<.05	.300	500	N	<10	N	N	V
SFR4356K	64 42 2	145 25 50	10.00	10.00	.05	.020	500	N	<10	N	N	V
SFR4356L	64 42 2	145 25 50	10.00	10.00	<.05	.050	500	N	<10	N	N	V
SFR4356M	64 42 2	145 25 50	5.00	5.00	.10	.005	700	N	<10	N	N	V
SWR0010	64 57 57	145 48 20	--	--	--	--	--	N	20	1,500	5.0	V
SWR0012B	64 59 38	145 45 20	--	--	--	--	--	N	10	150	N	V
SWR0035	64 53 41	145 45 20	--	--	--	--	--	N	10	700	N	N
SWR0044	64 48 11	145 46 1	--	--	--	--	--	N	70	1,000	2.0	N
SWR0049	64 46 0	145 41 22	--	--	--	--	--	N	<10	>5,000	1.0	V
SWR0050B	64 46 8	145 41 27	--	--	--	--	--	200	70	1,000	2.0	N
SWR0053B	64 46 33	145 39 41	15.00	5.00	10.00	.700	500	N	50	2,000	3.0	V

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-A	S-Y
5FR4207A	10	30	20	--	N	N	10	N	N	--	N	150	50	V	--
5FR4211C	N	N	<5	--	N	N	5	30	N	--	N	150	10	V	--
5FR4215D	N	20	20	--	N	30	5	15	N	--	N	300	100	V	--
5FR4218B	N	200	10	--	N	N	5	N	N	--	30	N	150	V	--
5FR4223C	N	50	5	--	N	N	N	N	N	--	N	N	20	V	--
5FR4232C	N	100	5	--	N	N	N	N	V	--	N	N	20	N	--
5FR4242	20	150	50	--	N	N	20	N	N	--	N	N	100	N	--
5FR4247C	N	70	30	50	V	N	20	10	N	10	N	N	30	N	15
5FR4253B	15	100	30	--	N	N	30	15	V	--	N	200	100	V	--
5FR4257C	N	70	<5	--	N	N	10	N	V	--	N	V	20	V	--
5FR4261	10	150	5	--	N	N	20	N	N	--	N	N	50	N	--
5FR4265B	N	N	<5	--	N	N	N	15	V	--	N	N	<10	V	--
5FR4272	N	N	<5	--	N	N	N	15	N	--	N	150	<10	V	--
5FR4273B	20	200	5	--	N	N	20	15	V	--	N	N	50	V	--
5FR4274B	15	300	20	--	N	N	10	10	N	--	N	N	150	N	--
5FR4283B	30	200	15	--	N	N	100	10	N	--	N	N	100	V	--
5FR4286B	30	500	<5	--	N	N	70	10	V	--	70	500	20	V	--
5FR4286C	10	50	30	--	N	N	10	N	V	--	150	N	50	V	--
5FR42870	30	200	30	--	N	<20	30	N	N	--	N	N	500	V	--
5FR4288B	10	N	<5	--	N	N	5	10	V	--	N	N	50	V	--
5FR4298	15	30	<5	--	N	N	10	10	V	--	N	V	150	V	--
5FR4299C	15	70	10	--	N	N	70	10	N	--	N	V	50	V	--
5FR4309	N	N	N	--	N	20	10	20	N	--	N	N	<10	N	--
5FR4310B	10	N	<5	--	N	N	5	15	V	--	N	150	50	V	--
5FR4311B	N	N	20	--	N	N	7	15	N	--	N	100	<10	V	--
5FR4315A	N	70	30	--	30	N	7	15	V	--	N	100	200	N	--
5FR4318	N	30	30	--	N	N	7	10	N	--	N	N	700	N	--
5FR4319B	N	N	<5	--	N	N	5	15	N	--	N	N	<10	V	--
5FR4326B	N	N	<5	--	N	N	5	15	V	--	N	V	<10	V	--
5FR4327	N	N	<5	--	N	N	5	15	N	--	N	V	<10	V	--
5FR4331B	N	N	5	--	N	N	5	<10	N	--	N	N	20	V	--
5FR4334	15	100	70	--	N	N	70	10	N	--	N	N	200	V	--
5FR4335	N	150	70	--	N	N	30	<10	V	--	N	V	500	V	--
5FR4340A	15	50	50	N	N	N	70	10	N	N	N	N	70	N	N
5FR4356H	100	2,000	<5	N	N	N	1,500	N	N	15	N	N	70	N	N
5FR4356K	150	3,000	70	N	N	N	2,000	N	N	15	N	V	70	V	V
5FR4356L	100	3,000	30	N	N	N	1,500	N	V	15	N	V	70	V	V
5FR4356M	50	1,500	30	N	N	N	1,000	N	V	15	N	V	20	V	N
5WR0010	N	N	20	--	N	30	10	50	N	--	N	200	10	V	--
5WR0012B	10	N	10	--	N	N	10	20	N	--	N	500	10	N	--
5WR0035	15	20	200	--	N	N	30	N	V	--	N	V	150	V	--
5WR0044	30	150	70	--	N	20	100	30	N	--	10	100	150	V	--
5WR0049	5	15	20	--	N	20	5	30	N	--	N	200	100	N	--
5WR0050B	N	70	30	--	5	<20	10	10	V	--	N	100	1,500	V	--
5WR0053B	20	100	70	30	N	N	70	30	V	15	N	200	150	V	20

S-ZN S-ZR AA-AU-P

sample	S-ZN	S-ZR	AA-AU-P
SFR4207A	N	200	N
SFR4211C	N	100	N
SFR4215D	N	100	N
SFR4218B	N	300	N
SFR4223C	N	200	N
SFR4232C	N	100	N
SFR4242	N	100	N
SFR4247C	N	200	N
SFR4253B	N	100	N
SFR4257C	N	200	N
SFR4261	N	200	N
SFR4265B	N	50	N
SFR4272	N	100	N
SFR4273B	N	200	N
SFR4274B	N	200	N
SFR4283B	N	150	N
SFR4286B	N	200	N
SFR4286C	N	70	<.05
SFR4287D	N	200	N
SFR4288B	N	100	N
SFR4298	N	100	N
SFR4299C	N	150	N
SFR4309	N	70	N
SFR4310B	N	100	N
SFR4311B	N	50	N
SFR4315A	N	150	N
SFR4318	N	70	N
SFR4319B	N	100	N
SFR4326B	N	70	<.05
SFR4327	N	30	N
SFR4331B	N	20	N
SFR4334	<200	100	N
SFR4335	N	150	N
SFR4340A	300	20	N
SFR4356H	N	N	N
SFR4356K	N	N	N
SFR4356L	N	N	N
SFR4356M	N	N	N
SWR0010	N	700	N
SWR0012B	N	N	N
SWR0035	N	100	N
SWR0044	N	150	N
SWR0049	N	300	N
SWR0050B	N	150	N
SWR0053B	N	150	N

sample	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AS	S-B	S-3A	S-BE	S-BI
SWR0053D	64 46 33	145 39 41	7.00	3.00	10.00	.300	1,000	N	10	3,000	3.0	N
SWR0053F	64 46 33	145 39 41	--	--	--	--	--	N	20	150	N	N
SWR0066	64 45 33	145 44 41	15.00	2.00	1.00	.500	2,000	N	200	1,000	5.0	N
SWR0093B	64 47 29	145 36 51	--	--	--	--	--	N	10	1,000	N	N
SWR0099C	64 50 31	146 7 8	--	--	--	--	--	N	30	3,000	2.0	V
SWR0112B	64 53 3	145 52 30	--	--	--	--	--	N	20	1,000	2.0	N
SWR0115A	64 53 30	145 55 35	--	--	--	--	--	N	20	1,500	2.0	V
SWR0115B	64 53 30	145 55 35	--	--	--	--	--	N	10	1,500	N	V
SWR0134	64 33 47	144 51 48	--	--	--	--	--	N	20	1,500	N	V
SWR0143	64 26 53	144 48 50	--	--	--	--	--	700	20	1,500	1.0	N
SWR0157B	64 23 53	144 34 27	--	--	--	--	--	N	20	700	2.0	V
SWR0191B	64 19 44	144 35 31	15.00	3.00	7.00	.700	1,500	N	<10	150	1.0	N
SWR0218C	64 17 21	144 58 58	2.00	2.00	20.00	.300	1,000	N	10	700	N	V
SWR0221B	64 18 6	144 58 18	--	--	--	--	--	N	10	150	5.0	V
SWR0229D	64 34 10	144 52 14	--	--	--	--	--	N	<10	1,000	1.0	V
SWR0249	64 34 4	144 44 58	--	--	--	--	--	N	10	700	3.0	V
SWR0252	64 33 28	144 43 42	--	--	--	--	--	N	10	1,000	1.0	V
SWR0280A	64 33 46	144 28 10	--	--	--	--	--	N	10	300	1.0	<10
SWR0280B	64 33 46	144 28 10	--	--	--	--	--	N	10	200	3.0	>1,000
SWR0292C	64 34 54	144 30 26	--	--	--	--	--	N	<10	150	10.0	N
SWR0297D	64 36 11	144 37 0	--	--	--	--	--	N	10	1,500	5.0	V
SWR0312B	64 41 53	144 19 29	--	--	--	--	--	N	50	700	1.0	V
SWR0319	64 37 42	144 14 20	--	--	--	--	--	N	20	1,500	1.0	V
SWR0320D	64 35 57	144 29 12	--	--	--	--	--	N	20	700	1.0	V
SWR0321B	64 47 30	144 10 40	--	--	--	--	--	N	15	150	1.0	<10
SWR0322	64 47 23	144 12 6	--	--	--	--	--	N	15	1,500	N	<10
SWR0324A	64 47 35	144 13 10	--	--	--	--	--	N	50	1,500	3.0	N
SWR0324B	64 47 35	144 13 10	--	--	--	--	--	N	>2,000	100	3.0	N
SWR0325	64 47 32	144 13 31	--	--	--	--	--	N	200	50	1.0	V
SWR0326A	64 47 34	144 13 47	--	--	--	--	--	N	10	1,000	2.0	10
SWR0327	64 47 34	144 14 2	--	--	--	--	--	N	<10	200	3.0	V
SWR0327A	64 47 32	144 14 2	--	--	--	--	--	N	N	20	2.0	N
SWR0327B	64 47 32	144 14 2	--	--	--	--	--	N	15	N	N	V
SWR0328D	64 47 12	144 15 2	--	--	--	--	--	700	150	200	5.0	N
SWR0329C	64 47 17	144 15 32	--	--	--	--	--	N	10	150	1.0	N
SWR0347A	64 58 35	144 21 29	--	--	--	--	--	N	30	700	3.0	V
SWR0347B	64 58 35	144 21 29	1.00	.20	1.00	.030	150	N	<10	N	10.0	V
SWR0352D	64 57 39	144 24 47	--	--	--	--	--	N	10	500	3.0	V
SWR0353	64 57 33	144 25 1	--	--	--	--	--	N	10	150	3.0	<10
SWR0354D	64 52 19	144 44 30	1.00	.70	2.00	.100	100	N	<10	1,000	3.0	V
SWR0360B	64 57 15	144 0 25	--	--	--	--	--	N	10	300	1.0	V
SWR0363C	64 57 19	144 25 20	--	--	--	--	--	N	1,000	70	3.0	70
SWR0369	64 40 50	144 45 50	--	--	--	--	--	N	10	1,000	3.0	V
SWR0370	64 47 26	144 5 12	--	--	--	--	--	N	10	1,500	2.0	N
SWR0371C	64 59 25	144 24 55	--	--	--	--	--	N	10	700	7.0	V

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
SWR0053D	10	70	50	20	50	N	30	30	N	10	N	200	70	N	20
SWR0053F	N	50	10	--	7	<20	10	10	V	--	N	N	3,000	V	--
SWR0066	20	100	50	50	N	50	50	30	V	20	N	100	150	V	50
SWR0093B	10	30	15	--	N	20	70	<10	V	--	N	100	150	V	--
SWR0099C	N	<10	5	--	N	20	5	30	N	--	10	100	20	V	--
SWR0112B	30	100	50	--	N	20	70	15	V	--	N	500	150	V	--
SWR0115A	N	70	50	--	N	20	10	15	N	--	N	V	500	V	--
SWR0115B	N	70	200	--	30	<20	50	50	V	--	N	100	1,500	V	--
SWR0134	50	150	70	--	N	20	100	30	N	--	N	100	200	N	--
SWR0143	30	70	70	--	N	20	70	20	V	--	N	100	200	V	--
SWR0157B	50	200	150	--	N	20	200	30	V	--	N	200	300	V	--
SWR0191B	20	200	10	N	N	N	30	15	V	30	N	100	300	V	30
SWR0218C	5	30	7	N	N	N	15	10	N	10	N	700	50	V	15
SWR0221B	50	70	70	--	10	20	70	10	N	--	30	700	150	V	--
SWR0229D	30	150	50	--	N	<20	70	15	V	--	N	100	150	V	--
SWR0249	20	70	70	--	N	<20	30	20	N	--	N	100	150	V	--
SWR0252	30	100	70	--	N	20	70	30	N	--	N	100	150	V	--
SWR0280A	30	200	70	--	N	100	50	10	V	--	30	500	300	V	--
SWR0280B	30	20	70	--	N	N	15	10	N	--	50	200	500	V	--
SWR0292C	N	N	5	--	N	N	10	150	N	--	N	N	50	N	--
SWR0297D	30	70	30	--	N	<20	50	30	N	--	15	700	150	N	--
SWR0312B	10	70	15	--	N	<20	50	20	V	--	N	100	100	V	--
SWR0319	15	70	100	--	N	<20	50	100	V	--	N	100	100	V	--
SWR0320D	30	50	30	--	N	<20	20	20	V	--	N	200	200	V	--
SWR0321B	5	N	20	--	N	N	5	30	N	--	N	N	20	V	--
SWR0322	5	N	30	--	V	N	5	30	N	--	10	200	70	N	--
SWR0324A	30	N	20	--	N	N	5	30	V	--	N	V	70	V	--
SWR0324B	5	N	30	--	N	N	5	30	N	--	20	N	50	V	--
SWR0325	5	N	70	--	N	N	10	300	N	--	N	N	50	N	--
SWR0326A	50	500	300	--	N	150	100	30	N	--	N	700	300	V	--
SWR0327	30	500	30	--	N	150	200	30	N	--	N	1,000	150	V	--
SWR0327A	N	20	15	--	N	N	30	30	V	--	N	150	50	N	--
SWR0327B	10	20	<5	--	N	N	5	10	N	--	N	N	20	N	--
SWR0328D	10	30	30	--	N	N	30	1,500	1,500	--	10	N	70	V	--
SWR0329C	10	70	15	--	N	N	30	30	V	--	N	N	30	V	--
SWR0347A	30	70	30	--	N	<20	50	20	N	--	N	500	150	V	--
SWR0347B	N	10	10	N	N	N	5	15	N	N	N	300	30	V	N
SWR0352D	30	100	200	--	N	<20	70	10	N	--	20	700	150	N	--
SWR0353	30	100	300	--	N	100	70	15	V	--	30	500	300	V	--
SWR0354D	N	50	30	N	15	N	70	N	N	5	N	V	2,000	V	20
SWR0360B	5	20	10	--	N	N	15	10	N	--	N	200	30	N	--
SWR0363C	15	N	700	--	N	N	15	10	V	--	100	V	10	1,000	--
SWR0369	20	10	10	--	V	<20	10	50	N	--	N	500	150	V	--
SWR0370	10	N	<5	--	N	<20	5	30	V	--	10	200	100	V	--
SWR0371C	N	N	5	--	30	<20	5	70	N	--	20	200	30	V	--

sample	S-ZN	S-ZR	AA-AU-P
5WR0053D	200	100	N
5WR0053F	N	50	N
5WR0066	200	150	N
5WR0093B	500	500	N
5WR0099C	N	150	N
5WR0112B	N	300	N
5WR0115A	N	300	N
5WR0115B	N	150	N
5WR0134	N	300	N
5WR0143	N	300	N
5WR0157B	200	300	N
5WR0191B	200	100	--
5WR0218C	N	300	N
5WR0221B	N	300	N
5WR0229D	N	300	N
5WR0249	N	300	N
5WR0252	N	200	N
5WR0280A	200	150	N
5WR0280B	300	10	2.00
5WR0292C	N	N	N
5WR0297D	N	150	N
5WR0312B	N	200	N
5WR0319	200	200	N
5WR0320D	N	150	N
5WR0321B	N	20	N
5WR0322	N	100	N
5WR0324A	3,000	150	N
5WR0324B	300	150	N
5WR0325	5,000	70	N
5WR0326A	N	200	N
5WR0327	N	150	N
5WR0327A	N	N	N
5WR0327B	N	N	N
5WR0328D	5,000	100	N
5WR0329C	N	70	N
5WR0347A	N	150	N
5WR0347B	N	15	N
5WR0352D	200	200	N
5WR0353	300	150	N
5WR0354D	1,000	70	N
5WR0360B	N	150	N
5WR0363C	N	N	N
5WR0369	N	150	N
5WR0370	N	150	N
5WR0371C	N	50	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-AJ	S-AS	S-B	S-3A	S-BE	S-BI
SWR0381	64 55 37	144 29 16	--	--	--	--	--	N	N	10	500	N	N
SWR0384C	64 55 5	144 30 38	3.00	.50	<.05	.020	300	V	N	<10	50	N	N
SWR0387	64 53 59	144 28 59	--	--	--	--	--	N	N	10	100	N	V
SWR0388B	64 53 44	144 28 46	--	--	--	--	--	N	N	20	300	N	N
SWR0393	64 52 23	144 27 55	--	--	--	--	--	N	N	10	200	N	V
SWR0403	64 23 21	145 4 1	--	--	--	--	--	N	N	10	1,000	2.0	N
SWR0404B	64 23 7	145 4 29	--	--	--	--	--	V	N	10	N	N	V
SWR0414B	64 24 42	145 1 29	--	--	--	--	--	.5	N	30	200	7.0	N
SWR0417	64 26 40	145 3 28	--	--	--	--	--	N	N	100	500	5.0	V
SWR0421A	64 26 18	145 9 32	--	--	--	--	--	N	N	10	1,500	3.0	N
SWR0421B	64 26 18	145 9 32	--	--	--	--	--	N	N	10	1,000	3.0	V
SWR0433	64 50 59	144 47 30	--	--	--	--	--	N	N	50	1,500	1.0	V
SWR0441C	64 50 18	144 45 50	--	--	--	--	--	N	N	<10	100	N	N
SWR0447D	64 46 32	144 58 14	--	--	--	--	--	N	N	20	700	2.0	N
SWR0461	64 48 15	144 52 23	--	--	--	--	--	N	500	20	300	N	10
SWR0465B	64 48 45	144 54 38	--	--	--	--	--	V	N	200	N	7.0	<10
SWR0467A	64 48 46	144 55 17	--	--	--	--	--	.5	N	100	700	3.0	V
SWR0493C	64 27 56	145 21 42	--	--	--	--	--	N	N	10	100	N	N
SWR0499F	64 53 11	144 48 52	7.00	2.00	2.00	.200	200	V	N	2,000	300	1.5	V
SWR0507C	64 51 50	144 43 45	5.00	.10	<.05	.100	50	N	N	20	N	N	V
SWR0510B	64 48 45	144 55 38	5.00	1.00	10.00	.200	700	N	N	500	N	1.5	10
SWR0510C	64 48 45	144 55 38	3.00	1.00	10.00	.500	700	N	N	70	300	1.5	N
SWR0510D	64 48 45	144 55 38	2.00	.70	.20	.500	150	N	N	70	300	2.0	V
SWR0513D	64 48 29	144 57 2	10.00	2.00	5.00	.500	1,000	N	N	10	200	2.0	N
SWR0518B	64 32 38	144 6 39	--	--	--	--	--	N	N	10	700	2.0	N
SWR0521	64 33 1	144 8 2	--	--	--	--	--	N	N	10	300	3.0	V
SWR0523D	64 36 38	144 7 0	--	--	--	--	--	V	N	<10	500	1.0	N
SWR0523E	64 36 38	144 7 0	--	--	--	--	--	N	N	<10	N	5.0	N
SWR0523F	64 36 38	144 7 0	--	--	--	--	--	N	N	<10	N	N	V
SWR0523G	64 36 38	144 7 0	--	--	--	--	--	N	N	<10	700	N	N
SWR0525C	64 36 1	144 8 0	5.00	1.00	.50	.700	500	N	N	10	300	1.0	V
SWR0526C	64 35 44	144 8 57	--	--	--	--	--	N	N	10	500	2.0	N
SWR0530B	64 35 48	144 11 59	--	--	--	--	--	N	N	<10	N	5.0	N
SWR0530D	64 35 48	144 11 59	--	--	--	--	--	N	N	<10	N	2.0	N
SWR0534C	64 35 3	144 11 9	--	--	--	--	--	N	N	<10	N	5.0	N
SWR0539	64 36 6	144 3 10	1.00	.30	1.00	.200	300	N	N	<10	500	2.0	N
SWR0542B	64 35 29	144 2 12	1.00	.10	.05	.200	150	N	N	10	N	3.0	V
SWR0542C	64 35 29	144 2 12	7.00	2.00	3.00	1,000	700	N	N	<10	300	1.0	N
SWR0543D	64 33 17	144 1 37	--	--	--	--	--	V	N	15	700	1.5	V
SWR0544	64 32 54	144 2 20	--	--	--	--	--	N	N	15	500	3.0	N
SWR0545C	64 32 45	144 2 49	--	--	--	--	--	N	N	10	300	2.0	N
SWR0547B	64 31 49	144 1 18	15.00	1.00	15.00	.500	700	V	N	<10	N	1.0	N
SWR0551H	64 48 7	144 24 11	--	--	--	--	--	V	N	20	700	1.0	V
SWR0555A	64 47 41	144 14 5	3.00	10.00	15.00	.100	500	N	N	N	N	N	N
SWR0557A	64 47 50	144 14 13	.50	10.00	20.00	.005	70	N	N	20	N	N	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
SWR0381	70	300	70	--	N	<20	100	N	V	--	N	300	200	V	--
SWR0384C	5	N	30	N	N	N	15	N	V	5	N	N	50	V	N
SWR0387	N	10	5	--	N	N	20	N	N	--	N	N	10	N	--
SWR0388B	30	300	10	--	N	N	200	N	V	--	N	300	200	V	--
SWR0393	70	300	70	--	V	N	150	N	N	--	N	200	300	V	--
SWR0403	10	50	10	--	N	<20	20	50	V	--	N	300	150	V	--
SWR0404B	20	50	<5	--	N	N	50	N	N	--	N	200	100	N	--
SWR0414B	30	10	5	--	N	N	50	20	150	--	N	100	100	V	--
SWR0417	15	50	20	--	N	<20	50	<10	150	--	N	100	100	V	--
SWR0421A	30	30	15	--	N	<20	20	70	V	--	N	500	150	V	--
SWR0421B	20	50	15	--	N	<20	50	30	N	--	N	300	100	N	--
SWR0433	5	50	15	--	N	<20	20	10	N	--	N	N	300	V	--
SWR0441C	10	N	10	--	N	N	50	20	N	--	N	300	50	V	--
SWR0447D	20	70	15	--	N	<20	70	10	<100	--	N	100	150	N	--
SWR0461	30	150	100	--	N	<20	70	30	N	--	15	700	300	N	--
SWR0465B	N	N	<5	--	N	<20	10	50	N	--	20	V	20	V	--
SWR0467A	20	150	15	--	N	<20	50	50	N	--	N	700	150	V	--
SWR0493C	15	50	50	--	N	N	70	N	V	--	N	N	20	N	--
SWR0499F	15	150	30	70	N	N	50	N	N	15	N	200	150	N	--
SWR0507C	N	N	300	20	N	N	5	N	N	N	N	N	30	N	10
SWR0510B	15	70	<5	50	N	N	30	10	V	10	70	2,000	10	V	15
SWR0510C	15	70	<5	70	N	N	30	10	N	15	70	3,000	30	V	15
SWR0510D	N	70	5	70	N	N	5	N	N	10	N	300	50	V	20
SWR0513D	15	70	10	100	N	N	20	70	N	15	N	1,000	70	V	30
SWR0518B	N	N	<5	--	N	N	N	15	N	--	10	V	10	V	--
SWR0521	10	N	<5	--	N	N	5	15	N	--	N	N	<10	N	--
SWR0523D	N	N	<5	--	N	N	5	15	N	--	N	100	10	V	--
SWR0523E	N	N	<5	--	N	20	5	10	N	--	15	N	10	V	--
SWR0523F	N	N	<5	--	N	N	5	N	V	--	N	N	10	V	--
SWR0523G	15	100	15	--	N	<20	30	15	V	--	N	150	70	V	--
SWR0525C	15	70	50	200	N	N	50	<10	N	15	N	N	100	V	30
SWR0526C	10	20	<5	--	N	N	5	10	N	--	N	100	50	V	--
SWR0530B	N	N	7	--	N	20	N	10	V	--	<10	V	<10	V	--
SWR0530D	10	50	<5	--	N	N	10	N	N	--	N	100	20	V	--
SWR0534C	N	N	5	--	N	20	N	15	N	--	<10	N	<10	V	--
SWR0539	N	N	<5	50	N	N	N	10	N	7	N	200	20	V	15
SWR0542B	N	N	<5	50	V	20	N	10	N	7	<10	N	10	V	30
SWR0542C	30	70	15	20	N	N	70	15	N	20	N	300	150	N	30
SWR0543D	N	N	N	--	N	N	<5	15	N	--	N	150	10	N	--
SWR0544	N	N	N	--	N	N	<5	20	N	--	N	N	<10	V	--
SWR0545C	N	N	N	--	N	N	N	15	V	--	N	V	<10	V	--
SWR0547B	30	70	<5	50	N	N	30	N	V	15	N	700	150	V	15
SWR0551H	30	150	100	--	N	N	100	20	N	--	N	1,000	200	V	--
SWR0555A	5	15	5	N	N	N	5	10	V	5	N	200	10	N	20
SWR0557A	N	50	<5	N	N	N	5	<10	N	V	N	300	<10	V	N

AA-AU-P

S-ZR

S-ZN

sample	S-ZN	S-ZR	AA-AU-P
SWR0381	N	150	N
SWR0384C	N	20	N
SWR0387	N	10	N
SWR0388B	N	200	N
SWR0393	N	100	N
SWR0403	N	200	N
SWR0404B	200	10	N
SWR0414B	N	50	N
SWR0417	N	500	N
SWR0421A	N	200	N
SWR0421B	N	300	N
SWR0433	N	150	N
SWR0441C	N	100	N
SWR0447D	N	200	N
SWR0461	N	150	N
SWR0465B	N	100	N
SWR0467A	200	200	N
SWR0493C	<200	150	N
SWR0499F	N	150	N
SWR0507C	N	200	N
SWR0510B	<200	70	N
SWR0510C	<200	150	N
SWR0510D	N	150	N
SWR0513D	<200	100	N
SWR0518B	N	100	N
SWR0521	N	150	N
SWR0523D	N	100	N
SWR0523E	N	150	N
SWR0523F	N	N	N
SWR0523G	N	70	N
SWR0525C	N	150	N
SWR0526C	N	100	N
SWR0530B	N	150	N
SWR0530D	<200	150	N
SWR0534C	N	150	N
SWR0539	N	100	N
SWR0542B	N	150	N
SWR0542C	N	150	N
SWR0543D	N	100	N
SWR0544	N	50	N
SWR0545C	N	100	N
SWR0547B	N	100	N
SWR0551H	<200	100	N
SWR0555A	N	30	N
SWR0557A	N	N	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUDE	S-FEZ	S-MGX	S-CAZ	S-TIX	S-MN	S-AJ	S-AS	S-B	S-3A	S-BE	S-BI
5WR0558	64 47 57	144 14 18	1.00	10.00	20.00	.010	500	V	N	70	N	N	V
5WR0562	64 48 48	144 16 41	--	--	--	--	--	V	N	10	700	1.0	N
5WR0579A	64 36 20	144 15 32	--	--	--	--	--	N	N	20	300	<1.0	N
5WR0580B	64 36 11	144 15 32	1.00	.50	.20	.100	300	N	N	50	N	1.0	N
5WR0586	64 36 51	144 5 35	--	--	--	--	--	V	N	10	700	1.0	N
5WR0587	64 36 53	144 5 9	1.00	.10	.10	.200	70	V	N	10	500	1.0	N
5WR0588A	64 36 55	144 4 53	--	--	--	--	--	N	N	10	300	<1.0	N
5WR0600B	64 12 34	145 52 14	--	--	--	--	--	N	N	<10	N	1.5	N
5WR0602A	64 42 37	144 4 58	--	--	--	--	--	3.0	N	20	N	1.0	V
5WR0603C	64 42 34	144 4 18	--	--	--	--	--	N	N	20	200	1.0	N
5WR0605C	64 42 21	144 3 43	5.00	.20	<.05	.300	150	N	2,000	15	500	2.0	N
5WR0606A	64 42 11	144 3 24	--	--	--	--	--	N	N	10	N	3.0	N
5WR0610A	64 41 25	144 4 9	--	--	--	--	--	V	N	10	300	1.0	N
5WR0613D	64 43 27	144 7 8	15.00	3.00	5.00	>1.000	1,000	V	N	<10	300	1.0	N
5WR0613E	64 43 27	144 7 8	--	--	--	--	--	N	N	10	700	3.0	N
5WR0614B	64 43 31	144 7 19	3.00	5.00	15.00	.100	1,000	10.0	N	<10	<20	2.0	15
5WR0614D	64 43 31	144 7 19	.50	.50	7.00	.020	500	N	N	<10	100	3.0	V
5WR0614E	64 43 31	144 7 19	5.00	3.00	2.00	.500	700	N	N	<10	N	2.0	V
5WR0614I	64 43 31	144 7 19	--	--	--	--	--	N	N	20	N	N	N
5WR0615A	64 43 33	144 7 38	3.00	.70	.20	.500	200	N	N	20	700	2.0	N
5WR0615B	64 43 33	144 7 38	1.50	.50	1.00	.200	150	N	N	<10	N	<1.0	V
5WR0617A	64 43 37	144 8 38	--	--	--	--	--	N	N	10	300	5.0	N
5WR0617B	64 43 37	144 8 38	.50	.30	.20	.030	150	N	N	10	300	1.0	N
5WR0620C	64 43 35	144 9 20	--	--	--	--	--	N	N	<10	N	3.0	N
5WR0623	64 52 18	144 4 9	--	--	--	--	--	V	N	10	700	1.0	N
5WR0631A	64 50 18	144 4 46	--	--	--	--	--	V	N	50	700	1.0	N
5WR0631B	64 50 18	144 4 46	--	--	--	--	--	N	N	<10	150	1.0	V
5WR0633A	64 51 29	144 2 20	--	--	--	--	--	V	N	10	700	2.0	N
5WR0633B	64 51 29	144 2 20	--	--	--	--	--	N	N	10	300	10.0	V
5WR0633C	64 51 29	144 2 20	--	--	--	--	--	V	N	20	700	1.0	N
5WR0634B	64 51 51	144 3 55	.20	.02	.05	.050	10	N	N	<10	N	<1.0	V
5WR0635B	64 51 46	144 3 51	1.00	.15	1.00	.200	100	N	N	<10	500	1.5	V
5WR0635C	64 51 46	144 3 51	.20	.02	<.05	.050	50	V	N	10	500	<1.0	V
5WR0635D	64 51 46	144 3 51	1.00	.10	<.05	.300	30	N	N	10	700	1.0	N
5WR0639A	64 54 12	144 46 50	--	--	--	--	--	N	N	15	300	1.0	V
5WR0639B	64 54 12	144 46 50	--	--	--	--	--	N	N	15	300	1.0	N
5WR0639D	64 54 12	144 46 50	5.00	1.00	.20	.500	300	V	N	>2,000	N	7.0	V
5WR0641D	64 53 40	144 49 4	--	--	--	--	--	N	N	10	150	<1.0	N
5WR0641E	64 53 40	144 49 4	15.00	7.00	10.00	.700	700	V	1,000	10	150	1.0	N
5WR0644I	64 54 24	144 51 10	2.00	2.00	20.00	.200	700	N	N	30	N	N	N
5WR0644J	64 54 24	144 51 10	3.00	3.00	20.00	.100	700	V	N	10	70	1.0	V
5WR0647A	64 54 43	144 50 32	1.00	.05	.10	.300	15	V	N	50	N	1.0	N
5WR0648D	64 54 48	144 50 14	--	--	--	--	--	N	N	10	N	20.0	N
5WR0649C	64 55 8	144 50 8	--	--	--	--	--	N	N	10	N	10.0	N
5WR0651C	64 55 24	144 49 54	10.00	.10	.10	.070	100	V	500	15	500	3.0	N

Big Delta Quad--Rocks--Continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y
SWR0558	N	N	N	N	N	N	<5	N	N	N	N	200	<10	N	N
SWR0562	30	100	10	--	N	<20	150	N	V	--	N	1,000	200	V	--
SWR0579A	10	70	<5	--	V	N	30	N	V	--	N	V	70	V	--
SWR0580B	N	50	<5	20	N	N	10	10	V	7	N	N	20	N	N
SWR0586	N	N	<5	--	N	N	N	15	N	--	N	150	<10	V	--
SWR0587	N	20	30	<20	N	N	5	<10	N	7	N	100	30	N	N
SWR0588A	10	50	<5	--	N	N	10	10	V	--	N	V	30	V	--
SWR0600B	N	N	N	--	N	<20	N	N	N	--	N	N	<10	V	--
SWR0602A	20	100	200	--	N	<20	30	10	N	--	10	N	200	N	--
SWR0603C	N	30	5	--	N	N	7	N	V	--	N	N	50	V	--
SWR0605C	N	70	50	50	N	N	10	15	<100	10	N	150	30	V	20
SWR0606A	N	N	<5	--	N	30	N	20	V	--	N	N	<10	V	--
SWR0610A	20	70	20	--	N	N	20	<10	N	--	N	200	500	N	--
SWR0613D	50	300	70	50	N	N	100	300	N	20	20	700	200	V	20
SWR0613E	N	N	15	--	N	N	<5	20	V	--	N	200	20	V	--
SWR0614B	5	30	30	N	N	N	20	1,500	N	V	N	200	20	N	10
SWR0614D	N	10	5	N	N	N	5	N	N	N	N	N	10	V	N
SWR0614E	20	70	50	50	5	N	100	15	N	7	10	V	70	N	15
SWR0614I	N	N	<5	--	N	N	10	10	V	--	N	200	20	V	--
SWR0615A	N	70	30	20	N	N	5	20	V	15	N	N	100	N	15
SWR0615B	10	30	15	20	N	N	10	N	V	5	N	150	10	N	15
SWR0617A	N	N	<5	--	N	20	<5	15	V	--	N	N	<10	V	--
SWR0617B	N	N	<5	20	V	N	5	N	V	V	N	V	<10	V	10
SWR0620C	N	N	<5	--	N	20	N	15	V	--	N	V	<10	V	--
SWR0623	10	N	<5	--	N	N	<5	10	N	--	N	200	70	V	--
SWR0631A	N	N	<5	--	N	N	<5	10	N	--	N	150	50	V	--
SWR0631B	N	N	<5	--	N	N	<5	15	V	--	N	V	<10	V	--
SWR0633A	N	N	<5	--	N	N	<5	15	N	--	N	200	<10	V	--
SWR0633B	N	N	N	--	N	N	<5	15	N	--	N	N	<10	V	--
SWR0633C	5	70	30	--	N	N	5	<10	V	--	N	N	100	V	--
SWR0634B	N	N	N	20	N	N	N	15	N	N	N	N	<10	V	N
SWR0635B	N	N	100	70	N	30	5	10	N	V	N	150	<10	N	50
SWR0635C	N	N	N	<20	N	N	N	15	N	N	N	N	<10	N	10
SWR0635D	N	N	7	20	N	N	N	15	N	5	N	V	10	V	15
SWR0639A	N	N	<5	--	N	N	5	<10	V	--	N	N	10	V	--
SWR0639B	N	N	<5	--	N	N	5	<10	N	--	N	V	20	N	--
SWR0639D	10	50	10	--	N	N	15	N	N	15	10	100	100	V	N
SWR0641D	N	N	<5	--	N	N	5	<10	N	--	N	2,000	10	N	--
SWR0641E	70	1,000	30	N	N	50	200	N	V	30	N	100	200	N	20
SWR0644I	10	50	N	<20	N	N	20	10	V	10	N	500	10	V	10
SWR0644J	7	70	5	N	N	N	20	10	N	10	15	500	10	V	15
SWR0647A	N	30	<5	20	N	N	10	10	V	7	N	V	30	V	10
SWR0648D	N	N	<5	--	N	N	<5	15	V	--	N	V	<10	V	--
SWR0649C	15	20	<5	--	N	N	30	10	V	--	15	100	70	N	--
SWR0651C	5	20	30	N	N	N	30	30	N	<5	N	V	10	V	10

sample	S-ZN	S-ZR	AA-AU-P
5WR0558	N	N	--
5WR0562	<200	150	N
5WR0579A	N	200	N
5WR0580B	N	150	N
5WR0586	N	70	N
5WR0587	N	100	N
5WR0588A	N	200	N
5WR0600B	N	150	N
5WR0602A	N	150	N
5WR0603C	N	200	N
5WR0605C	N	150	N
5WR0606A	N	200	N
5WR0610A	<200	200	N
5WR0613D	200	200	N
5WR0613E	N	150	N
5WR0614B	500	10	N
5WR0614D	N	N	N
5WR0614E	N	150	N
5WR0614I	N	50	N
5WR0615A	N	150	N
5WR0615B	N	150	N
5WR0617A	N	200	N
5WR0617B	N	50	N
5WR0620C	N	150	N
5WR0623	N	100	N
5WR0631A	N	150	N
5WR0631B	N	20	N
5WR0633A	N	200	N
5WR0633B	N	20	N
5WR0633C	N	200	N
5WR0634B	N	150	N
5WR0635B	N	1,000	N
5WR0635C	N	20	N
5WR0635D	N	150	N
5WR0639A	N	500	N
5WR0639B	N	150	N
5WR0639D	200	70	N
5WR0641D	N	50	N
5WR0641E	N	100	N
5WR0644I	300	100	N
5WR0644J	200	100	<.05
5WR0647A	N	150	N
5WR0648D	N	20	N
5WR0649C	N	150	N
5WR0651C	N	70	N

sample	LATITUDE	LONGITUD	S-FEZ	S-MGX	S-CAZ	S-TIX	S-MN	S-45	S-AS	S-B	S-3A	S-BE	S-BI
SWR06510	64 55 24	144 49 54	5.00	.05	.05	.100	30	N	200	500	300	2.0	N
SWR0652A	64 55 27	144 49 20	--	--	--	--	--	N	1,000	700	700	2.0	N
SWR0652B	64 55 27	144 49 20	3.00	.70	.07	.300	700	V	N	20	500	2.0	N
SWR0654B	64 55 31	144 49 4	--	--	--	--	--	N	N	10	N	2.0	N
SWR0657B	64 55 53	144 48 50	--	--	--	--	--	N	N	10	500	1.0	N
SWR0663G	64 56 53	144 51 10	5.00	1.00	5.00	.500	700	V	N	10	150	2.0	N
SWR0663H	64 56 53	144 51 7	--	--	--	--	--	N	N	10	500	<1.0	V
SWR0672A	64 56 3	144 43 38	3.00	1.50	5.00	.500	500	N	N	<10	500	1.0	N
SWR0673B	64 57 8	144 48 29	1.50	.10	2.00	.200	200	N	N	<10	500	1.0	N
SWR0673E	64 57 8	144 58 29	--	--	--	--	--	N	N	20	N	2.0	N
SWR0694C	64 50 27	144 52 1	--	--	--	--	--	V	N	20	N	2.0	N
SWR0694D	64 50 27	144 52 1	5.00	1.00	.07	.500	150	V	N	20	N	2.0	N
SWR0696B	64 48 29	144 50 50	--	--	--	--	--	N	N	30	500	1.5	N
SWR0697B	64 49 9	144 57 38	--	--	--	--	--	N	N	30	1,000	5.0	N
SWR0698	64 50 30	144 54 29	5.00	1.00	1.50	.500	200	V	N	30	500	3.0	N
SWR0700A	64 50 21	144 36 1	10.00	7.00	7.00	.300	1,000	N	300	10	N	N	N
SWR0700B	64 50 21	144 36 1	--	--	--	--	--	N	1,000	50	200	1.0	N
SWR0700D	64 50 21	144 36 1	--	--	--	--	--	N	<200	<10	N	N	N
SWR0701	64 50 17	144 56 39	5.00	1.00	.20	.300	150	V	1,000	1,500	700	2.0	N
SWR0702	64 50 26	144 57 17	--	--	--	--	--	V	N	20	300	1.0	N
SWR0702A	64 50 26	144 57 17	--	--	--	--	--	N	N	100	200	<1.0	N
SWR0703F	64 50 32	144 37 30	--	--	--	--	--	N	N	10	200	1.0	N
SWR0703G	64 50 32	144 37 30	--	--	--	--	--	<.5	N	15	700	2.0	30
SWR0704A	64 50 32	144 38 14	--	--	--	--	--	3.0	N	20	N	1.0	V
SWR0705A	64 50 25	144 38 44	--	--	--	--	--	N	N	20	200	<1.0	N
SWR0712	64 49 45	144 40 0	--	--	--	--	--	N	N	200	500	<1.0	N
SWR0713A	64 50 12	144 37 33	--	--	--	--	--	V	N	100	1,000	N	V
SWR0716B	64 50 30	144 37 44	--	--	--	--	--	N	N	10	500	N	N
SWR0719C	64 51 37	144 51 11	--	--	--	--	--	N	N	10	N	N	N
SWR0721A	64 32 8	145 24 16	5.00	1.00	5.00	.300	500	N	N	10	1,000	3.0	N
SWR0721E	64 32 8	145 24 16	1.00	7.00	10.00	.150	150	V	N	<10	700	N	V
SWR0724A	64 24 52	144 17 39	--	--	--	--	--	N	N	10	700	<1.0	N
SWR0737	64 35 53	144 3 50	--	--	--	--	--	N	N	15	N	<1.0	N
SWR0737C	64 35 53	144 3 50	--	--	--	--	--	N	N	50	N	2.0	N
SWR0739B	64 35 39	144 3 51	--	--	--	--	--	N	N	10	N	1.0	V
SWR0742D	64 50 4	145 0 41	--	--	--	--	--	N	N	10	N	1.0	V
SWR0753B	64 52 45	144 22 40	--	--	--	--	--	N	N	50	500	<1.0	N
SWR0764	64 57 32	145 18 34	3.00	.07	.10	.100	300	N	N	10	N	N	V
SWR0787A	64 49 50	144 54 1	1.50	.50	2.00	.200	300	V	N	50	300	N	N
SWR0787B	64 49 50	144 54 1	7.00	1.50	.15	.700	300	N	N	100	1,000	1.5	V
SWR0788B	64 50 57	144 54 39	2.00	2.00	3.00	.200	500	N	N	10	700	1.0	N
SWR0792A	64 58 59	144 32 56	3.00	.30	<.05	.500	200	N	N	30	500	<1.0	N
SWR0798B	64 43 27	144 14 35	2.00	.30	<.05	.300	150	V	N	20	300	1.0	V
6FR003C	64 10 45	145 48 47	--	--	--	--	--	N	N	20	700	1.0	V
6FR0058D	64 20 20	146 51 20	--	--	--	--	--	N	N	<10	1,000	2.0	N

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
SWR0651D	N	20	5	20	N	N	5	15	V	5	N	100	<10	V	10
SWR0652A	N	N	<5	--	N	N	N	15	V	--	N	V	10	V	--
SWR0652B	N	70	30	<20	N	N	<5	10	N	15	N	N	70	V	10
SWR0654B	N	N	5	--	N	N	10	<10	N	--	N	V	20	N	--
SWR0657B	N	N	<5	--	N	N	<5	15	V	--	N	100	<10	V	--
SWR0663G	15	70	70	20	N	N	30	10	N	15	N	300	100	V	15
SWR0663H	N	70	20	--	N	N	5	15	N	--	N	N	100	N	--
SWR0672A	10	100	50	50	N	N	10	15	V	15	N	500	100	V	20
SWR0673B	N	50	30	20	N	N	N	15	V	5	N	200	20	V	V
SWR0673E	7	N	7	--	N	N	10	<10	V	--	N	V	20	V	--
SWR0694C	10	50	50	--	N	N	30	<10	N	--	N	500	50	V	--
SWR0694D	15	100	30	50	N	N	20	<10	V	15	N	100	100	V	N
SWR0696B	10	70	<5	--	N	N	30	N	V	--	N	V	150	V	--
SWR0697B	15	70	70	--	N	N	30	15	V	--	N	300	70	V	--
SWR0698	15	100	30	70	N	N	70	10	N	15	N	200	200	N	20
SWR0700A	70	1,500	20	N	N	N	1,000	N	N	15	10	V	70	V	N
SWR0700B	10	50	<5	--	N	N	100	<10	<100	--	N	V	20	V	--
SWR0700D	15	20	100	--	N	N	20	<10	N	--	N	300	200	V	--
SWR0701	15	70	100	50	N	N	70	<10	N	15	70	N	70	N	N
SWR0702	30	100	30	--	N	N	70	15	N	--	N	300	70	V	--
SWR0702A	5	50	5	--	V	N	20	10	V	--	N	300	30	V	--
SWR0703F	15	50	150	--	N	N	10	<10	V	--	N	V	500	V	--
SWR0703G	10	70	2,000	--	N	N	20	15	N	--	15	300	70	V	--
SWR0704A	15	70	30	--	N	N	30	10	N	--	N	V	200	V	--
SWR0705A	15	100	20	--	N	N	50	10	V	--	N	150	100	V	--
SWR0712	30	200	100	--	N	N	70	300	N	--	N	2,000	100	V	--
SWR0713A	10	N	70	--	N	N	30	N	N	--	N	N	30	N	--
SWR0716B	30	500	150	--	N	N	200	N	V	--	N	300	500	V	--
SWR0719C	15	N	<5	--	N	N	100	N	N	--	N	500	20	V	--
SWR0721A	15	10	5	30	N	N	50	10	V	15	N	300	70	N	30
SWR0721E	10	100	N	100	N	N	50	N	N	7	N	100	70	N	30
SWR0724A	15	100	50	--	N	N	50	10	N	--	N	N	150	V	--
SWR0737	N	N	<5	--	N	N	5	10	V	--	N	N	50	V	--
SWR0737C	N	N	<5	--	N	N	5	15	N	--	10	V	<10	V	--
SWR0739B	N	N	<5	--	N	N	5	10	N	--	N	N	<10	V	--
SWR0742D	20	50	20	--	N	N	70	N	V	--	N	V	50	V	--
SWR0753B	50	300	50	--	V	N	100	N	V	--	N	100	200	V	--
SWR0764	N	50	20	20	N	N	70	15	N	5	N	N	200	V	V
SWR0787A	10	N	<5	70	N	N	5	10	N	10	N	300	50	V	20
SWR0787B	20	150	20	70	N	N	50	<10	N	15	N	V	100	V	30
SWR0788B	15	70	30	20	N	N	30	N	V	10	N	150	30	V	30
SWR0792A	15	150	15	100	N	N	50	<10	V	15	N	V	100	N	20
SWR0798B	10	50	10	20	N	N	20	<10	N	10	N	100	50	N	15
6FR0003C	<5	50	20	--	N	N	20	N	V	--	N	100	200	V	--
6FR0058D	30	20	10	--	N	N	<20	50	V	--	N	500	150	V	--

sample	S-ZN	S-ZR	AA-AU-P
5WR0651D	N	70	N
5WR0652A	N	150	<.05
5WR0652B	N	150	N
5WR0654B	N	150	N
5WR0657B	N	20	N
5WR0663G	N	150	N
5WR0663H	N	100	N
5WR0672A	N	100	N
5WR0673B	N	150	N
5WR0673E	N	30	N
5WR0694C	N	100	.20
5WR0694D	N	150	N
5WR0696B	N	150	N
5WR0697B	N	150	N
5WR0698	N	150	N
5WR0700A	N	70	N
5WR0700B	<200	100	N
5WR0700D	N	150	N
5WR0701	N	100	N
5WR0702	N	70	N
5WR0702A	N	70	N
5WR0703F	N	100	N
5WR0703G	<200	70	N
5WR0704A	N	100	N
5WR0705A	N	100	N
5WR0712	<200	100	N
5WR0713A	N	70	N
5WR0716B	N	150	N
5WR0719C	N	N	N
5WR0721A	N	150	N
5WR0721E	N	150	N
5WR0724A	N	150	N
5WR0737	N	100	N
5WR0737C	N	150	N
5WR0739B	N	50	N
5WR0742D	N	50	1.40
5WR0753B	N	N	N
5WR0764	N	150	N
5WR0787A	N	150	N
5WR0787B	N	200	N
5WR0788B	N	200	N
5WR0792A	N	300	N
5WR0798B	N	200	N
6FR0003C	<200	30	N
6FR0058D	<200	150	N

sample	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIz	S-MN	S-AG	S-AS	S-B	S-3A	S-BE	S-BI
6FR0082	64 39 28	146 24 17	--	--	--	--	--	N	N	20	1,000	2.0	V
6FR0103	64 44 57	146 51 10	--	--	--	--	--	5.0	N	100	1,000	2.0	20
6FR0105	64 43 35	146 50 39	--	--	--	--	--	1.0	N	10	300	3.0	N
6FR0108A	64 44 12	146 49 40	--	--	--	--	--	V	N	10	3,000	2.0	V
6FR0110	64 43 9	146 51 29	--	--	--	--	--	N	N	15	200	5.0	V
6FR0128C	64 8 25	145 1 40	--	--	--	--	--	V	N	<10	20	N	V
6FR0128D	64 8 25	145 1 40	--	--	--	--	--	N	N	<10	50	N	V
6FR0131A	64 8 41	145 0 55	--	--	--	--	--	N	N	<10	20	N	V
6FR0131B	64 8 41	145 0 55	--	--	--	--	--	N	N	<10	<20	N	V
6FR0136	64 8 27	145 2 48	--	--	--	--	--	N	N	20	<20	N	V
6FR0152B	64 43 19	145 38 53	--	--	--	--	--	N	N	<10	700	<1.0	N
6FR0164B	64 44 0	145 47 16	--	--	--	--	--	N	N	20	700	N	V
6FR0219	64 34 47	145 36 42	--	--	--	--	--	N	N	20	500	2.0	V
6FR0222	64 34 15	145 38 9	--	--	--	--	--	N	N	20	500	1.0	V
6FR0224	64 33 32	145 39 50	--	--	--	--	--	V	N	10	300	2.0	N
6FR0227	64 32 21	145 37 18	--	--	--	--	--	N	N	20	500	2.0	V
6FR0228	64 32 13	145 36 21	--	--	--	--	--	N	N	20	700	3.0	N
6FR0252B	64 34 46	145 59 49	--	--	--	--	--	N	N	2,000	200	3.0	15
6FR0258	64 36 12	145 45 50	--	--	--	--	--	N	N	20	300	3.0	N
6FR0278A	64 41 50	145 38 4	--	--	--	--	--	N	N	20	1,500	3.0	V
6FR0279A	64 42 8	145 38 20	--	--	--	--	--	N	200	700	700	2.0	V
6FR0279B	64 42 8	145 38 20	--	--	--	--	--	N	200	50	70	<1.0	V
6FR0282A	64 40 15	145 38 18	--	--	--	--	--	N	N	150	200	2.0	N
6FR0282B	64 40 15	145 38 18	--	--	--	--	--	N	N	70	700	2.0	V
6FR0285A	64 40 9	145 36 50	--	--	--	--	--	N	N	50	300	1.0	V
6FR0290A	64 39 20	145 45 23	--	--	--	--	--	V	N	10	200	<1.0	V
6FR0290B	64 39 20	145 45 23	--	--	--	--	--	N	N	10	150	N	V
6FR0315	64 17 38	146 28 55	--	--	--	--	--	N	N	<10	N	N	V
6FR0317A	64 17 53	146 29 14	--	--	--	--	--	N	N	20	700	1.0	N
6FR0324	64 15 38	146 6 47	--	--	--	--	--	N	N	100	N	5.0	V
6FR0361	64 32 57	146 27 39	--	--	--	--	--	N	200	100	300	2.0	N
6FR0370A	64 34 20	146 32 49	--	--	--	--	--	N	N	20	300	N	V
6FR0396C	64 45 30	146 29 12	--	--	--	--	--	1.0	N	50	1,500	1.0	V
6FR0401B	64 45 39	146 39 30	--	--	--	--	--	V	N	15	200	<1.0	V
6FR0406B	64 44 40	146 41 49	--	--	--	--	--	V	N	<10	N	2.0	N
6FR0407	64 43 50	146 42 44	--	--	--	--	--	N	N	10	N	1.0	V
6FR0435B	64 57 23	146 31 9	--	--	--	--	--	N	N	--	700	5.0	N
6FR0435D	64 57 23	146 31 9	--	--	--	--	--	V	N	--	500	5.0	V
6FR0449C	64 40 50	146 51 51	--	--	--	--	--	N	N	--	1,000	2.0	V
6FR0450	64 41 11	146 52 50	--	--	--	--	--	V	N	--	3,000	3.0	V
6FR0451A	64 41 16	146 52 59	--	--	--	--	--	V	N	--	700	2.0	10
6FR0455B	64 41 27	146 55 40	--	--	--	--	--	N	N	--	700	2.0	V
6FR0458D	64 54 10	145 28 59	--	--	--	--	--	V	N	--	1,000	5.0	10
6FR0470	64 52 17	145 34 19	--	--	--	--	--	V	N	--	1,000	2.0	V
6FR0492A	64 52 14	145 36 20	--	--	--	--	--	N	N	--	1,000	2.0	V

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-SV	S-SY
6FR0082	10	20	<5	--	N	<20	10	70	N	--	N	N	20	--
6FR0103	20	100	150	--	N	<20	50	70	V	--	20	500	70	--
6FR0105	<5	N	<5	--	N	<20	5	70	N	--	N	V	<10	--
6FR0108A	20	100	10	--	N	<20	50	50	N	--	N	70J	70	--
6FR0110	<5	N	<5	--	N	<20	<5	70	N	--	10	N	<10	--
6FR0128C	100	2,000	50	--	N	<20	1,000	N	N	--	N	V	50	--
6FR0128D	100	2,000	30	--	N	<20	1,000	N	V	--	N	<10J	50	--
6FR0131A	100	2,000	15	--	N	<20	1,000	N	N	--	N	V	70	--
6FR0131B	100	200	10	--	N	<20	1,000	N	N	--	N	N	100	--
6FR0136	100	500	30	--	N	<20	1,000	N	N	--	N	N	20	--
6FR0152B	20	20	30	--	N	<20	20	20	V	--	N	20J	150	--
6FR0164B	70	50	70	--	N	<20	50	N	N	--	N	20J	300	--
6FR0219	30	200	50	--	N	<20	50	50	N	--	10	1,000J	100	--
6FR0222	20	150	50	--	N	N	70	10	N	--	N	V	300	--
6FR0224	20	70	70	--	N	N	70	15	N	--	N	150	200	--
6FR0227	15	50	20	--	N	<20	20	50	V	--	N	1,500	10J	--
6FR0228	20	50	10	--	N	<20	50	50	N	--	N	200	100	--
6FR0252B	10	N	<5	--	N	<20	20	100	N	--	20	V	1J	--
6FR0258	30	100	100	--	N	<20	50	50	V	--	N	50J	150	--
6FR0278A	20	100	50	--	N	<20	50	70	N	--	N	<100	100	--
6FR0279A	15	100	50	--	N	<20	50	15	200	--	N	N	150	--
6FR0279B	10	20	7	--	N	<20	20	N	V	--	N	N	30	--
6FR0282A	10	50	<5	--	N	<20	20	N	N	--	N	V	50	--
6FR0282B	20	50	15	--	N	<20	20	70	N	--	N	20J	70	--
6FR0285A	15	50	15	--	N	<20	30	10	N	--	N	10J	50	--
6FR0290A	50	500	10	--	N	<20	100	10	N	--	N	100	150	--
6FR0290B	70	1,000	70	--	N	<20	150	<10	V	--	N	100	150	--
6FR0315	10	N	30	--	N	N	5	N	N	--	N	2,000J	10	--
6FR0317A	15	N	30	--	N	N	30	50	N	--	N	100	10	--
6FR0324	N	N	10	--	N	70	5	N	N	--	N	N	10	--
6FR0361	N	N	<5	--	N	N	10	20	V	--	N	N	10	--
6FR0370A	10	150	<5	--	N	N	10	N	N	--	N	N	100	--
6FR0396C	N	200	20	--	20	N	30	N	N	--	N	N	1,000	--
6FR0401B	50	300	15	--	N	N	150	N	N	--	N	15J	150	--
6FR0406B	200	2,000	70	--	N	N	1,500	N	N	--	N	N	200	--
6FR0407	N	N	<5	--	N	N	5	15	N	--	N	N	<10	--
6FR0435B	20	100	150	--	10	N	70	10	N	--	N	100	150	--
6FR0435D	20	150	50	--	N	20	70	15	N	--	N	1,000J	150	--
6FR0449C	50	200	30	--	N	20	70	15	N	--	N	100	200	--
6FR045D	30	200	20	--	N	N	70	15	V	--	N	70J	150	--
6FR0451A	15	70	300	--	N	N	20	10	N	--	100	200	150	--
6FR0455B	15	150	10	--	N	N	100	10	N	--	N	10J	200	--
6FR0458D	15	200	50	--	N	20	100	70	N	--	70	15J	300	--
6FR0470	10	N	5	--	N	N	10	15	V	--	N	N	30	--
6FR0492A	N	N	<5	--	N	N	10	15	N	--	N	N	10	--

S-ZN AA-AU-P

N-ZR

sample

6FR0082	N	100	N
6FR0103	500	50	N
6FR0105	N	50	N
6FR0108A	200	50	N
6FR0110	N	100	N
6FR0128C	N	K10	N
6FR0128D	N	N	N
6FR0131A	<200	N	N
6FR0131B	<200	150	N
6FR0136	N	30	N
6FR0152B	N	70	N
6FR0164B	N	70	N
6FR0219	N	100	N
6FR0222	N	200	.70
6FR0224	N	100	N
6FR0227	N	50	N
6FR0228	N	150	N
6FR0252B	N	20	N
6FR0258	N	150	N
6FR0278A	N	150	N
6FR0279A	200	50	N
6FR0279B	N	50	N
6FR0282A	N	100	N
6FR0282B	N	150	N
6FR0285A	N	200	N
6FR0290A	N	30	N
6FR0290B	N	30	N
6FR0315	N	20	N
6FR0317A	N	70	N
6FR0324	N	700	N
6FR0361	N	150	N
6FR0370A	N	150	N
6FR0396C	N	150	N
6FR0401B	N	150	N
6FR0406B	200	150	N
6FR0407	N	150	N
6FR0435B	N	200	--
6FR0435D	N	200	--
6FR0449C	<200	700	--
6FR0450	N	150	--
6FR0451A	N	200	--
6FR0455B	N	200	--
6FR0458D	200	300	--
6FR0470	N	200	--
6FR0492A	N	N	--

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-A3	S-AS	S-B	S-3A	S-BE	S-3I
6FR0497A	64 52 51	145 37 40	--	--	--	--	--	.5	N	--	3,000	1.0	N
6FR0504	64 53 4	145 40 41	--	--	--	--	--	N	N	--	2,000	2.0	V
6FR4064	64 8 25	145 2 45	--	--	--	--	--	N	N	10	<20	N	N
6FR4065	64 8 21	145 2 48	--	--	--	--	--	V	N	10	<20	N	N
6FR4066	64 8 26	145 3 2	--	--	--	--	--	N	N	10	<20	N	N
6FR4066A	64 8 26	145 3 2	--	--	--	--	--	N	N	10	<20	N	N
6FR4093	64 45 17	145 45 50	--	--	--	--	--	N	N	70	500	1.0	V
6FR4115A	64 32 31	145 43 28	--	--	--	--	--	V	N	50	700	2.0	V
6FR4157A	64 44 12	146 44 27	--	--	--	--	--	V	N	10	300	1.0	N
6FR4160A	64 43 45	146 42 53	--	--	--	--	--	N	N	20	300	1.0	V
6WR0129C	64 38 59	146 36 39	--	--	--	--	--	N	N	700	200	5.0	V
6WR0164	64 36 1	146 49 35	--	--	--	--	--	V	N	50	1,000	2.0	V
6WR0169A	64 34 59	146 39 42	--	--	--	--	--	N	N	50	700	3.0	V
6WR0196C	64 30 46	146 45 35	--	--	--	--	--	N	N	10	700	1.0	V
6WR0196D	64 30 46	146 45 35	--	--	--	--	--	N	N	<10	N	N	N
6WR0197F	64 32 27	146 49 17	--	--	--	--	--	N	N	10	700	N	V
6WR0251	64 43 2	146 40 50	--	--	--	--	--	N	N	10	300	N	V
6WR0253B	64 42 47	146 40 11	--	--	--	--	--	N	N	30	700	2.0	N
72WR74B	64 31 23	145 18 8	7.00	1.50	.15	.500	500	N	N	50	700	2.0	N
75AFR096	64 53 35	145 23 40	15.00	10.00	1.50	.300	1,000	V	N	15	N	N	V
77AFR144	64 30 5	145 35 54	2.00	.05	<.05	.500	100	V	N	15	200	1.0	N
77AFR173	64 24 5	145 58 0	2.00	.15	<.05	.200	50	N	<200	50	200	2.0	N
77AFR191	64 22 5	146 12 15	3.00	.50	.20	.500	100	N	N	20	700	1.0	V
77AFR193	64 20 25	145 58 0	3.00	.70	1.00	.500	300	V	N	15	300	1.0	V
77AFR197	64 20 54	145 59 20	.70	.15	.50	.300	200	V	N	10	500	<1.0	N
77AFR199	64 21 24	146 0 0	.50	.20	1.00	.150	200	N	N	20	700	2.0	V
77AFR203	64 36 20	145 35 30	5.00	1.00	1.00	.700	300	V	N	30	500	1.0	V
77AFR233	64 22 35	145 49 40	1.00	.10	.50	.100	200	N	N	15	500	<1.0	V
77AFR243	64 24 29	145 20 4	2.00	.20	.20	.150	200	N	N	10	1,000	2.0	V
77AFR289	64 51 10	145 24 20	5.00	2.00	3.00	.700	700	N	N	20	1,500	1.5	N
77AFR290	64 51 15	145 24 5	7.00	2.00	3.00	.700	700	N	N	20	1,500	1.5	V
77AFR291	64 51 29	145 23 30	3.00	1.50	2.00	.500	500	N	N	20	1,500	2.0	V
77AFR319	64 52 14	145 8 30	2.00	2.00	1.50	.200	200	1.0	N	20	2,000	1.0	V
77AFR320	64 52 14	145 9 5	2.00	1.50	2.00	.200	200	N	N	15	1,500	1.0	N
77AFR34	64 43 19	145 50 35	1.50	.20	.10	.150	50	N	N	30	700	1.0	V
77AFR354	64 37 30	144 6 20	2.00	.50	2.00	.500	300	N	N	10	300	2.0	N
77AFR355	64 37 30	144 6 10	1.50	.50	.70	.200	200	N	N	20	700	1.0	V
77AFR356	64 37 35	144 5 59	.70	<.02	<.05	.050	30	N	N	10	<20	7.0	N
77AFR357	64 37 40	144 5 39	1.00	.50	.20	.150	200	N	N	20	1,000	1.0	V
77AFR358	64 37 45	144 5 30	1.00	.70	5.00	.300	500	N	N	20	150	2.0	V
77AFR360	64 39 15	144 6 34	3.00	1.50	2.00	.500	300	N	N	10	1,000	2.0	V
77AFR367	64 39 34	144 9 15	1.00	.20	.50	.300	500	N	N	20	1,000	3.0	N
77AFR370	64 54 50	144 13 59	.50	.05	.10	.300	200	N	N	50	3,000	1.0	V
77AFR378	64 54 29	144 19 29	2.00	.30	<.05	.150	50	N	N	20	2,000	1.0	N
77AFR382	64 54 50	144 19 29	5.00	2.00	5.00	.500	700	V	N	15	100	<1.0	V

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-W	S-Y
6FR0497A	15	50	70	--	7	N	70	20	V	--	N	V	70	V	--
6FR0504	10	N	20	--	N	N	5	20	N	--	N	70J	70	V	--
6FR4064	70	2,000	7	--	N	<20	1,000	N	V	--	N	N	30	V	--
6FR4065	100	1,500	<5	--	N	<20	1,000	N	N	--	N	V	20	V	--
6FR4066	70	2,000	<5	--	N	<20	1,000	N	N	--	N	30J	50	V	--
6FR4066A	70	2,000	<5	--	N	<20	1,500	N	V	--	N	V	30	V	--
6FR4093	20	50	<5	--	V	<20	50	N	V	--	N	V	50	V	--
6FR4115A	30	100	70	--	N	<20	50	50	N	--	N	10J	100	N	--
6FR4157A	N	N	<5	--	N	N	5	15	V	--	N	N	<10	V	--
6FR4160A	N	N	<5	--	N	N	5	15	N	--	10	V	<10	V	--
6WR0129C	<5	N	10	--	N	<20	5	100	N	--	N	N	10	N	--
6WR0164	<5	N	7	--	N	<20	20	70	N	--	N	N	10	N	--
6WR0169A	<5	N	<5	--	N	<20	<5	70	V	--	N	N	10	V	--
6WR0196C	70	500	30	--	N	N	150	15	V	--	N	V	200	V	--
6WR0196D	N	N	<5	--	N	N	5	N	V	--	N	V	<10	V	--
6WR0197F	N	70	5	--	30	N	10	10	N	--	N	N	1,500	V	--
6WR0251	100	20	500	--	N	20	1,000	N	N	--	N	50J	700	V	--
6WR0253B	15	70	<5	--	N	N	70	10	V	--	N	V	10J	V	--
72WR74B	15	100	30	30	N	10	50	N	V	15	N	<100	15J	V	30
75AFR096	150	2,000	30	N	N	N	1,500	N	N	15	N	N	100	V	10
77AFR144	15	70	10	50	N	<20	20	<10	V	7	N	V	70	N	10
77AFR173	<5	20	50	50	V	<20	<5	50	10J	5	N	N	50	V	50
77AFR191	10	150	20	150	N	<20	100	20	N	20	N	20J	20J	N	20
77AFR193	30	150	20	50	N	<20	50	20	N	20	N	200	20J	N	10
77AFR197	10	30	<5	50	N	<20	20	10	V	5	N	20J	50	V	50
77AFR199	<5	30	10	30	N	<20	<5	50	V	5	N	50J	30	V	20
77AFR203	50	150	30	100	N	<20	20	20	N	20	N	200	200	N	30
77AFR233	<5	N	<5	50	N	<20	<5	50	N	N	N	10J	<10	V	20
77AFR243	<5	N	<5	50	N	<20	<5	30	N	15	N	20J	20	N	20
77AFR289	50	100	10	50	N	<20	5	30	V	50	N	50J	200	V	20
77AFR290	50	50	10	50	V	<20	<5	50	N	50	N	500	200	V	20
77AFR291	15	30	<5	50	N	<20	<5	50	N	15	N	300	100	N	20
77AFR319	15	70	50	50	5	<20	50	50	N	10	N	100	100	V	20
77AFR320	15	70	10	50	N	<20	20	20	V	10	N	20J	50	V	10
77AFR34	<5	N	<5	50	N	<20	<5	15	V	<5	N	N	10	V	20
77AFR354	10	N	<5	50	N	<20	<5	20	N	10	N	300	50	V	20
77AFR355	<5	N	<5	50	N	N	<5	10	N	5	N	20J	30	V	10
77AFR356	<5	N	<5	50	V	30	<5	30	V	<10	20	V	<10	V	50
77AFR357	<5	N	5	50	N	<20	<5	10	V	V	N	100	20	V	20
77AFR358	10	100	N	50	N	<20	20	N	N	10	70	500	70	V	20
77AFR360	20	200	70	50	N	<20	20	30	N	20	N	30J	20J	V	20
77AFR367	<5	<10	<5	50	V	<20	<5	50	V	10	N	20J	50	V	20
77AFR370	<5	N	10	200	N	<20	<5	30	V	7	N	V	50	N	50
77AFR378	10	70	150	50	<5	<20	50	N	V	7	N	V	100	V	10
77AFR382	50	150	10	<20	N	<20	50	N	V	30	N	100	200	V	30

AA-AU-P

S-ZR

S-ZN

sample

sample	S-ZN	S-ZR	AA-AU-P
6FR0497A	N	200	--
6FR0504	N	500	--
6FR4064	N	N	N
6FR4065	N	N	N
6FR4066	N	20	N
6FR4066A	N	N	N
6FR4093	N	200	N
6FR4115A	<200	100	N
6FR4157A	N	150	N
6FR4160A	N	150	N
6WR0129C	30C	150	N
6WR0164	<200	50	N
6WR0169A	N	50	N
6WR0196C	200	150	<+.05
6WR0196D	N	N	N
6WR0197F	N	70	N
6WR0251	N	100	N
6WR0253B	N	200	N
72WR748	N	150	N
75AFR096	N	50	N
77AFR144	N	300	--
77AFR173	N	300	--
77AFR191	N	200	--
77AFR193	N	150	--
77AFR197	N	200	--
77AFR199	N	70	--
77AFR203	N	200	N
77AFR233	N	100	N
77AFR243	N	100	N
77AFR289	<200	150	--
77AFR290	N	200	--
77AFR291	N	200	--
77AFR319	N	100	N
77AFR320	N	100	N
77AFR334	N	70	--
77AFR354	N	150	N
77AFR355	N	100	N
77AFR356	<200	100	N
77AFR357	N	70	N
77AFR358	N	200	N
77AFR360	N	100	N
77AFR367	200	200	N
77AFR370	N	300	N
77AFR378	N	100	N
77AFR382	N	100	N

sample	LATITUDE	LONGITUD	S-FEZ	S-MGZ	S-CAZ	S-TIX	S-MN	S-AS	S-B	S-3A	S-BE	S-BI
77AFR388	64 40 50	144 44 9	.50	.05	.20	.020	50	N	15	100	2.0	V
77AFR4	64 20 14	146 38 20	7.00	1.00	.70	.500	500	N	<10	300	N	V
77AFR405	64 32 20	144 0 0	2.00	.20	.70	.150	500	N	<10	700	1.0	V
77AFR412	64 37 30	144 10 0	1.00	<.02	.05	.030	70	N	50	V	5.0	V
77AFR419	64 57 50	144 39 29	3.00	.70	.20	.500	200	N	20	300	1.5	N
77AFR452	64 39 5	144 51 10	2.00	.50	1.00	.200	300	N	<10	700	1.5	N
77AFR453	64 39 39	144 50 54	.50	.05	.30	.020	100	N	<10	30	1.0	V
77AFR485	64 34 0	145 22 40	1.00	.15	.20	.100	100	N	10	300	3.0	V
77AFR486	64 34 0	145 22 54	1.50	.15	.50	.100	100	N	10	500	2.0	V
77AFR5	64 20 9	146 37 5	3.00	.20	.10	.200	300	N	10	500	2.0	V
77AFR504	64 37 9	144 43 5	2.00	.30	.50	.200	200	N	10	1,000	1.0	N
77AFR505	64 37 14	144 43 14	2.00	.30	.50	.150	200	N	10	700	1.0	V
77AFR518	64 39 5	144 40 35	1.00	.10	.20	.050	150	N	15	1,000	1.0	N
77AFR526	64 43 29	144 33 39	2.00	.50	.50	.200	1,000	N	20	1,000	2.0	V
77AFR528	64 43 40	144 34 24	1.00	.15	.20	.100	200	N	20	700	2.0	N
77AFR530	64 43 50	144 34 50	1.50	.15	.15	.100	500	N	70	500	3.0	V
77AFR536	64 48 20	145 45 29	10.00	2.00	3.00	.500	1,500	N	20	1,000	1.0	N
77AFR537	64 48 24	145 44 4	15.00	5.00	5.00	1.000	2,000	N	20	1,000	<1.0	V
77AFR543	64 46 14	145 44 39	3.00	.30	.05	.300	1,000	N	20	700	<1.0	N
77AFR545	64 45 50	145 44 49	7.00	1.00	2.00	.300	2,000	N	20	1,500	1.0	N
77AFR546	64 45 34	145 44 35	20.00	3.00	5.00	.070	>5,000	N	50	300	<1.0	<10
77AFR554	64 54 20	145 46 19	3.00	3.00	3.00	.200	1,000	N	50	1,000	1.0	V
77AFR558	64 55 24	145 50 9	2.00	.02	.05	.015	300	N	<10	200	1.0	N
77AFR561	64 56 25	145 50 14	3.00	.30	.20	.500	300	N	20	300	1.5	<10
77AFR571	64 22 30	146 24 55	2.00	.30	.10	.200	500	N	20	500	2.0	<10
77AFR573	64 22 30	146 26 15	2.00	.03	<.05	.200	700	N	<10	300	1.0	<10
77AFR820	64 55 59	146 43 50	.30	.05	.30	.050	30	N	15	50	3.0	V
77AWR141	64 28 14	145 35 54	5.00	.10	.50	.700	200	N	20	200	1.5	V
77AWR144	64 28 59	145 36 15	3.00	.70	.10	.500	300	N	20	300	1.0	N
77AWR146	64 29 30	145 36 24	5.00	2.00	2.00	.700	500	N	<10	1,500	<1.0	V
77AWR196	64 28 24	146 2 59	.50	.05	.20	.020	300	N	50	20	1.0	V
77AWR207	64 27 44	146 10 9	.20	.03	.30	.010	50	N	20	200	3.0	V
77AWR222	64 32 25	145 4 54	.50	.15	.30	.150	100	N	10	200	<1.0	N
77AWR267	64 56 20	144 35 13	10.00	3.00	3.00	.700	700	N	10	500	<1.0	N
77AWR281	64 34 35	145 21 55	1.00	.30	.50	.300	200	N	10	700	3.0	N
77AWR327	64 39 44	144 56 9	2.00	.50	.70	.200	500	N	10	700	1.5	N
77AWR344	64 37 59	145 13 40	3.00	1.00	2.00	.700	500	N	10	2,000	1.0	N
77AWR370	64 42 29	145 16 59	1.50	.20	.70	.100	300	N	10	700	2.0	N
77AWR380	64 49 45	145 35 25	1.50	.10	.10	.100	150	N	15	700	1.0	V
77AWR393	64 37 24	144 23 49	1.00	.20	.20	.100	100	N	15	500	1.5	V
77AWR405	64 36 29	144 41 49	3.00	.70	.10	.200	200	N	15	700	<1.0	N
77AWR407	64 36 34	144 42 34	2.00	.30	.50	.200	300	N	10	1,000	1.0	N
77AWR408	64 36 34	144 41 20	2.00	.30	.10	.150	100	N	10	700	1.0	N
77AWR421	64 36 5	145 2 4	10.00	3.00	2.00	1.000	1,000	N	<10	500	<1.0	V
77AWR422	64 40 50	144 49 24	3.00	.50	1.00	.200	500	N	<10	1,000	1.0	V

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
77AFR388	<5	<10	<5	50	N	<20	<5	30	V	V	N	V	<10	V	<10
77AFR4	50	150	70	50	N	<20	70	20	V	20	N	203	150	V	30
77AFR405	<5	N	<5	70	N	<20	<5	30	V	7	N	203	20	V	15
77AFR412	<5	N	<5	50	N	20	<5	50	N	N	20	N	<10	V	30
77AFR419	<5	150	20	50	N	<20	<5	30	V	20	N	203	100	V	15
77AFR452	10	N	<5	50	N	<20	<5	30	V	10	N	303	70	V	20
77AFR453	<5	N	<5	<20	N	<20	<5	70	N	N	N	103	<10	V	10
77AFR485	<5	N	<5	<20	N	<20	7	70	N	<5	N	100	10	V	<10
77AFR486	<5	N	<5	70	N	<20	<5	100	N	<5	N	200	20	V	<10
77AFR5	10	30	<5	70	N	<20	10	50	N	10	N	V	30	V	30
77AFR504	10	20	10	70	N	<20	10	100	V	10	N	200	50	N	10
77AFR505	10	N	5	50	N	<20	10	20	N	7	N	200	50	N	10
77AFR518	<5	N	<5	50	N	<20	<5	30	N	<5	N	103	N	N	<10
77AFR526	<5	<10	<5	50	N	<20	<5	30	V	5	N	203	50	V	10
77AFR528	<5	<10	10	50	N	<20	<5	50	N	<5	N	150	10	V	<10
77AFR530	<5	<10	300	50	N	<20	<5	30	N	<5	N	100	10	V	15
77AFR536	20	50	20	50	N	<20	<5	20	V	20	N	503	200	N	20
77AFR537	50	70	300	100	N	50	100	20	V	30	N	503	200	V	30
77AFR543	15	100	30	50	N	<20	20	<10	N	10	N	V	70	N	20
77AFR545	15	50	20	50	N	<20	<5	50	N	20	N	500	200	N	20
77AFR546	<5	30	150	50	N	<20	20	2,000	N	5	N	203	20	V	15
77AFR554	<5	100	50	50	N	<20	20	20	V	10	N	203	100	N	20
77AFR558	<5	<10	700	50	N	<20	150	20	V	10	N	V	300	V	20
77AFR561	10	<10	20	100	N	<20	<5	20	N	15	N	<103	50	N	50
77AFR571	10	50	30	50	N	<20	30	20	V	10	N	153	70	N	20
77AFR573	10	50	50	50	N	<20	20	30	V	15	N	N	70	V	20
77AFR820	<5	N	<5	50	N	N	<5	N	V	V	N	N	10	V	15
77AWR141	20	150	70	50	N	<20	30	<10	N	20	N	<100	200	V	20
77AWR144	20	150	10	100	N	<20	30	<10	V	20	N	<103	150	V	20
77AWR146	50	300	100	50	N	<20	50	100	V	30	N	503	200	V	30
77AWR196	<5	N	<5	<20	N	<20	<5	50	V	5	N	V	<10	N	<10
77AWR207	<5	N	<5	<20	N	<20	<5	70	N	N	N	N	<10	V	<10
77AWR222	<5	N	10	<20	N	<20	<5	50	N	<5	N	103	<10	V	15
77AWR267	100	300	200	50	N	<20	150	<10	V	50	N	503	300	V	20
77AWR281	<5	N	<5	50	N	N	<5	70	V	5	N	303	50	V	<10
77AWR327	10	N	<5	70	N	<20	<5	30	N	7	N	300	70	V	15
77AWR344	30	150	100	50	N	20	70	30	V	10	N	2,003	70	V	15
77AWR370	<5	N	5	50	N	<20	<5	50	V	7	N	300	20	V	20
77AWR380	<5	N	<5	70	N	<20	<5	N	N	5	N	V	10	V	20
77AWR393	<5	N	5	50	N	<20	<5	70	N	<5	N	200	10	V	N
77AWR405	10	100	15	70	N	<20	10	50	V	15	N	103	100	V	30
77AWR407	10	20	10	70	V	<20	10	20	V	10	N	203	50	V	<10
77AWR408	10	30	15	70	N	<20	10	20	V	5	N	103	50	N	10
77AWR421	30	1,000	150	100	N	30	300	<10	N	30	N	1,000	200	N	50
77AWR422	10	<10	10	50	V	<20	<5	50	V	10	N	300	70	N	20

AA-AU-P

S-ZR

S-ZN

sample

sample	S-ZN	S-ZR	AA-AU-P
77AFR388	N	20	N
77AFR4	N	300	N
77AFR405	N	150	N
77AFR412	N	150	N
77AFR419	N	200	N
77AFR452	N	100	N
77AFR453	N	20	N
77AFR485	N	50	N
77AFR486	N	70	N
77AFR5	N	200	N
77AFR504	N	100	N
77AFR505	N	100	N
77AFR518	N	30	N
77AFR526	N	50	N
77AFR528	N	100	N
77AFR530	N	100	N
77AFR536	<200	50	N
77AFR537	N	300	--
77AFR543	N	300	N
77AFR545	<200	150	N
77AFR546	>10,000	50	N
77AFR554	N	300	N
77AFR558	1,000	50	N
77AFR561	N	300	N
77AFR571	N	150	N
77AFR573	N	200	N
77AFR820	N	<10	--
77AWR141	N	100	--
77AWR144	N	150	--
77AWR146	<200	200	--
77AWR196	N	10	N
77AWR207	N	10	N
77AWR222	N	50	N
77AWR267	N	200	--
77AWR281	N	100	N
77AWR327	N	100	N
77AWR344	N	150	N
77AWR370	N	30	N
77AWR380	N	150	N
77AWR393	N	50	N
77AWR405	N	70	N
77AWR407	N	100	N
77AWR408	N	100	N
77AWR421	<200	200	N
77AWR422	N	50	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEX	S-WGX	S-CAX	S-TIX	S-MN	S-A5	S-AS	S-B	S-3A	S-BE	S-BI
77AWR423	64 40 45	144 48 29	3.00	.50	1.00	.200	500	N	N	<10	1,000	2.0	N
77AWR453	64 25 5	146 31 29	5.00	1.50	1.50	.300	1,500	N	N	500	1,500	2.0	N
77AWR469	64 27 39	145 36 10	5.00	1.00	.05	.300	500	N	N	30	1,000	<1.0	<10
77AWR75	64 17 4	146 16 50	3.00	.20	.07	.300	500	N	N	100	500	3.0	N
77AWR76B	64 17 4	146 17 44	.20	.05	.05	.200	20	N	N	20	100	<1.0	N
77AWR77C	64 16 54	146 19 24	.70	.10	1.00	.070	100	V	N	<10	200	<1.0	N
77AWR77D	64 16 54	146 19 24	3.00	.50	3.00	.500	300	V	N	<10	300	1.0	N
77AWR79	64 17 30	146 22 54	1.00	.20	.15	.500	100	V	N	10	500	1.0	N
77AWR85C	64 15 10	146 12 39	1.00	.30	.10	.300	100	N	N	50	1,000	1.0	N
77AWR88A	64 17 20	146 29 9	5.00	.50	10.00	.500	500	N	N	<10	200	<1.0	N
77AWR91C	64 17 4	146 30 15	2.00	1.00	.70	.300	500	N	N	20	500	1.0	N
77AWR94D	64 17 25	146 28 14	5.00	1.50	.15	.500	500	N	N	30	1,000	2.0	N
77AWR94E	64 17 25	146 28 14	10.00	1.00	.10	.200	200	N	N	30	300	1.0	N
77AWR96D	64 17 30	146 24 29	3.00	1.00	1.50	.300	500	V	N	15	300	1.0	N
77AWR97	64 24 39	146 48 5	.50	.10	<.05	.150	20	N	N	15	300	<1.0	V
77F3159C	65 0 0	144 38 59	1.00	.20	.30	.100	100	V	N	10	300	1.5	N
77F3210E	64 51 44	144 16 24	5.00	7.00	<.05	.005	200	N	N	20	<20	N	N
77F3232B	64 48 29	146 15 10	1.50	.15	<.05	.150	20	N	N	20	3,000	1.0	V
77FR3189	64 54 29	144 15 15	1.50	.20	.05	.070	500	V	N	15	2,000	<1.0	N
77FR3219	64 54 15	144 23 49	5.00	3.00	2.00	.500	1,000	N	N	10	100	N	N
77FR386D	64 36 39	144 8 20	2.00	.50	20.00	.100	500	<.5	N	20	N	<1.0	N
77FR386F	64 36 39	144 9 20	2.00	.70	.50	.300	200	N	N	10	500	<1.0	N
77FR397A	64 40 59	144 47 35	3.00	.50	.07	.200	150	N	N	15	300	1.0	V
77FR404A	64 31 50	144 2 49	5.00	.70	5.00	.200	500	V	N	<10	50	1.0	V
77FR406A	64 33 39	144 0 10	2.00	.30	.70	.200	300	N	N	<10	1,000	1.0	N
77FR406B	64 33 39	144 0 10	3.00	.70	1.00	.300	300	N	N	<10	700	1.0	V
77FR409A	64 37 50	144 8 49	.70	.02	.05	.030	50	N	N	<10	N	2.0	V
77FR450B	64 38 35	144 52 45	2.00	.70	<.05	.200	100	V	N	30	700	1.5	V
77FR507A	64 37 35	144 43 14	1.00	.20	.50	.100	200	N	N	20	300	1.0	N
77FR507C	64 37 35	144 43 14	5.00	.70	.07	.300	200	V	N	15	1,000	<1.0	V
77FR508B	64 37 40	144 43 14	5.00	.70	<.05	.300	300	V	N	10	1,000	1.5	N
77FR509B	64 37 50	144 43 14	5.00	1.00	<.05	.300	200	V	N	10	500	1.0	V
77FR510B	64 37 59	144 43 0	5.00	.50	.30	.300	300	N	N	10	500	<1.0	N
77FR511B	64 38 14	144 42 29	5.00	1.00	.50	.300	500	V	N	10	500	<1.0	V
77FR513D	64 38 30	144 42 15	1.50	.10	.50	.100	200	N	N	10	20	2.0	V
77FR517B	64 37 30	144 45 34	2.00	.20	2.00	.200	300	V	N	10	30	1.0	V
77FR517C	64 37 30	144 45 34	2.00	.50	.20	.200	200	N	N	10	500	1.0	N
77WR302C	64 37 14	144 16 59	5.00	1.00	5.00	.200	1,000	V	N	30	300	1.5	V
77WR304E	64 42 15	144 51 5	7.00	2.00	2.00	.700	700	N	N	<10	200	<1.0	V
77WR336E	64 38 20	145 6 34	5.00	2.00	1.50	.500	1,500	V	N	50	2,000	<1.0	N
77WR346E	64 24 24	146 18 24	2.00	.30	.50	.150	150	N	N	20	700	1.0	N
77WR349C	64 12 10	146 14 39	2.00	.30	.05	.200	150	N	N	15	500	1.0	N
77WR356A	64 44 20	146 18 50	.70	.15	<.05	.050	20	N	N	10	1,500	<1.0	N
77WR365D	64 39 5	145 24 55	1.50	.10	.10	.005	200	N	N	700	50	3.0	N
77WR392B	64 37 14	145 23 48	.50	.10	.20	.050	200	N	N	20	30	3.0	V

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-SV	S-SY
77AWR423	10	<10	<5	50	N	<20	<5	50	N	10	N	300	70	V
77AWR453	20	200	100	70	N	<20	100	20	V	15	N	500	200	N
77AWR469	20	150	20	50	N	<20	30	30	V	15	N	100	150	N
77AWR75	20	100	10	70	N	<20	50	20	V	15	N	100	100	N
77AWR76B	<5	20	<5	50	N	<20	<5	10	V	<5	N	<100	20	V
77AWR77C	<5	20	<5	50	N	<20	<5	10	N	<5	N	200	20	V
77AWR77D	15	100	<5	100	N	<20	30	10	N	20	N	200	50	V
77AWR79	10	50	<5	50	N	<20	20	<10	N	10	N	<100	50	V
77AWR85C	10	100	7	50	N	<20	20	10	N	10	N	200	70	V
77AWR88A	20	100	30	50	N	<20	30	20	V	20	50	1,500	70	V
77AWR91C	20	100	20	50	N	<20	50	20	N	20	N	300	70	V
77AWR94D	50	200	50	50	N	<20	50	10	N	30	N	200	150	N
77AWR94E	20	70	200	50	N	<20	50	10	N	10	N	100	30	N
77AWR96D	15	70	10	50	N	<20	20	30	V	10	N	300	50	V
77AWR97	<5	20	<5	50	N	<20	<5	10	N	<5	N	N	50	V
77F3159C	N	N	<5	30	N	<20	<5	30	N	5	N	200	20	V
77F3210E	70	2,000	20	N	N	<20	1,000	N	N	15	N	V	50	V
77F3232B	<5	70	30	50	N	<20	5	N	N	7	N	N	100	V
77F3189	10	N	20	50	N	<20	20	N	V	5	N	N	20	V
77FR3219	50	70	50	<20	N	<20	50	N	N	30	N	N	150	N
77FR386D	10	50	15	50	N	<20	10	100	N	5	N	1,000	20	N
77FR386F	10	70	15	50	N	<20	20	20	V	10	N	150	70	N
77FR397A	<5	50	15	70	N	<20	<5	10	V	10	N	100	70	N
77FR404A	20	100	<5	70	N	<20	50	10	N	20	20	1,000	100	V
77FR406A	<5	N	<5	70	N	<20	<5	30	N	7	N	200	30	N
77FR406B	10	N	<5	70	N	<20	<5	20	N	10	N	300	70	V
77FR409A	<5	N	<5	20	N	<20	<5	20	N	N	10	N	<10	N
77FR450B	10	100	15	70	10	<20	20	10	N	15	N	V	70	N
77FR507A	<5	N	<5	50	N	<20	<5	70	N	5	N	100	<10	V
77FR507C	20	100	15	70	N	<20	50	20	V	15	N	100	100	V
77FR508B	20	100	50	70	N	<20	50	20	V	15	N	100	100	V
77FR509B	20	150	30	70	N	<20	50	20	N	15	N	N	100	N
77FR510B	20	100	30	50	N	<20	50	20	N	10	N	100	100	N
77FR511B	30	100	15	70	N	<20	50	30	V	15	N	100	100	V
77FR513D	<5	<10	<5	50	N	<20	<5	N	N	5	N	N	<10	V
77FR517B	10	20	15	50	N	<20	10	N	N	5	N	300	50	70
77FR517C	15	50	20	50	N	<20	20	20	N	7	N	100	70	N
77WR302C	20	150	50	50	N	<20	50	30	N	15	15	700	70	V
77WR304E	70	300	150	50	N	<20	100	10	N	30	N	500	200	N
77WR336E	30	200	30	<20	N	<20	50	10	N	20	N	200	200	N
77WR346E	10	50	10	70	N	<20	5	N	N	10	N	200	50	V
77WR349C	15	50	30	50	N	<20	15	50	N	7	N	N	50	V
77WR356A	<5	N	30	50	N	<20	15	N	N	5	N	V	15	V
77WR365D	<5	N	<5	<20	N	<20	<5	20	N	<5	30	N	<10	N
77WR392B	<5	N	<5	<20	N	<20	<5	20	V	<5	N	V	<10	N

S-ZN S-ZR AA-AU-P

sample	S-ZN	S-ZR	AA-AU-P
77AWR423	N	50	N
77AWR453	N	70	N
77AWR469	N	300	N
77AWR75	500	200	N
77AWR768	N	500	N
77AWR77C	N	100	N
77AWR77D	N	500	N
77AWR79	N	500	N
77AWR85C	N	300	N
77AWR88A	N	300	.75
77AWR91C	N	200	N
77AWR94D	<200	300	N
77AWR94E	N	50	N
77AWR96D	<200	500	N
77AWR97	N	150	N
77F3159C	N	70	N
77F3210E	N	N	N
77F3232B	N	100	N
77FR3189	N	50	N
77FR3219	N	20	N
77FR386D	N	20	N
77FR386F	N	150	N
77FR397A	N	150	N
77FR404A	N	150	N
77FR406A	N	150	N
77FR406B	N	150	N
77FR409A	N	100	N
77FR450B	N	150	N
77FR507A	N	50	N
77FR507C	N	100	N
77FR508B	N	100	N
77FR509B	N	150	N
77FR510B	N	150	N
77FR511B	N	100	N
77FR513D	N	150	N
77FR517B	N	150	N
77FR517C	N	150	N
77WR302C	N	150	N
77WR304E	N	150	N
77WR336E	<200	70	N
77WR346E	N	100	N
77WR349C	N	150	N
77WR356A	N	30	<.05
77WR365D	N	<10	N
77WR392B	N	<10	N

Big Delta Quad--Rocks--continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGZ	S-CAZ	S-TIz	S-MN	S-AS	S-B	S-3A	S-BE	S-BI
77WR396A	64 37 59	144 25 19	1.00	.20	.30	.070	100	N	10	300	1.5	N
77WR396C	64 37 59	144 25 19	.50	.07	.10	.015	700	N	10	50	1.5	N
77WR397C	64 36 55	144 26 30	.30	.10	.50	.015	70	N	<10	200	1.0	V
77WR399C	64 34 24	144 23 30	.50	.10	.15	.015	70	N	<10	500	<1.0	N
77WR399D	64 34 24	144 23 30	2.00	.50	10.00	.150	500	N	10	300	1.0	N
77WR401B	64 32 9	145 14 9	2.00	.15	.50	.100	300	N	50	1,000	1.5	N
77WR406B	64 36 29	144 42 15	.50	.10	.50	.020	70	N	10	500	<1.0	N
77WR409C	64 36 39	144 40 35	5.00	1.00	5.00	.200	700	N	10	N	2.0	N
77WR412B	64 38 44	144 43 40	5.00	2.00	7.00	.500	700	N	20	500	1.0	N
77WR413B	64 37 30	144 43 9	2.00	.50	.20	.150	300	N	10	500	1.0	N
77WR416A	64 38 39	144 48 15	2.00	.50	5.00	.150	300	N	10	1,000	1.0	V
7AFR109B	64 56 49	146 40 40	1.00	.30	.20	.300	200	N	<10	300	3.0	N
7AFR118A	64 55 0	146 22 59	1.00	.50	.70	.300	100	N	1,500	300	2.0	N
7AFR118B	64 55 0	146 22 59	.20	.02	<.05	.100	<10	N	10	700	N	V
7AFR119A	64 55 14	146 22 30	5.00	2.00	2.00	.500	300	N	50	1,500	1.5	V
7AFR120A	64 55 35	146 22 24	7.00	.30	1.00	1.000	500	N	<10	200	<1.0	V
7AFR125	64 53 35	146 19 0	5.00	5.00	10.00	.200	500	N	15	300	1.0	V
7AFR136M	64 30 5	145 32 20	5.00	10.00	1.00	.050	500	N	10	<20	N	V
7AFR136N	64 30 5	145 32 20	7.00	10.00	1.00	.150	300	N	30	<20	N	N
7AFR142A	64 30 15	145 35 14	10.00	5.00	5.00	1.000	500	N	<10	50	N	V
7AFR188A	64 22 35	146 10 0	.70	.05	<.05	.050	200	N	150	500	2.0	20
7AFR188B	64 22 35	146 10 0	.50	.20	.20	.030	200	N	20	200	7.0	V
7AFR2025	64 25 0	145 16 9	2.00	.70	.70	.200	200	N	10	300	1.0	V
7AFR2031	64 24 15	145 11 49	3.00	1.00	.50	.300	200	N	<10	200	<1.0	V
7AFR2055	64 53 14	145 20 30	.20	.30	>20.00	.020	50	N	N	<20	N	N
7AFR2066	64 44 54	145 20 9	.50	.20	1.00	.200	20	N	20	2,000	1.0	V
7AFR206B	64 36 50	145 36 20	.50	.07	.50	.050	200	N	20	50	5.0	V
7AFR212A	64 37 14	145 39 10	.50	.07	.20	.050	200	N	500	50	3.0	V
7AFR212B	64 37 14	145 35 9	.50	.07	.30	.050	200	N	30	30	3.0	V
7AFR214B	64 37 0	145 33 29	5.00	2.00	7.00	.500	200	N	15	1,000	<1.0	V
7AFR219B	64 26 25	145 59 39	.20	.05	.70	.020	50	N	100	300	2.0	V
7AFR234A	64 22 5	145 49 29	1.00	.10	.50	.100	150	N	10	300	<1.0	V
7AFR258A	64 30 5	145 8 59	3.00	1.00	.20	.500	200	N	20	500	2.0	N
7AFR258B	64 30 5	145 8 59	5.00	1.50	2.00	.500	500	N	10	500	2.0	N
7AFR266A	64 29 44	145 14 20	3.00	1.00	.10	.500	200	N	15	200	1.0	V
7AFR269C	64 36 15	145 37 50	.50	.10	.30	.020	200	N	20	50	7.0	V
7AFR270A	64 35 49	145 38 9	3.00	1.00	2.00	.500	300	N	15	500	1.0	N
7AFR270C	64 35 49	145 38 9	3.00	1.50	15.00	.500	500	N	15	700	1.0	N
7AFR280C	64 37 24	145 28 0	1.50	.50	.50	.300	200	N	10	500	<1.0	N
7AFR284A	64 51 24	145 25 54	3.00	.30	1.00	.200	300	N	15	2,000	2.0	N
7AFR293A	64 51 29	145 22 59	3.00	1.50	.05	.700	200	N	50	1,500	3.0	N
7AFR3001	64 34 38	145 32 25	5.00	1.00	.50	.700	500	N	20	700	<1.0	N
7AFR3009	64 35 4	145 27 50	3.00	1.00	.50	.500	300	N	20	500	3.0	V
7AFR3021	64 29 14	146 8 14	.30	.10	.30	.015	200	N	500	N	15.0	V
7AFR3025	64 28 50	146 10 0	1.50	.70	.20	.500	150	N	20	5,000	1.0	N

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
77WR396A	<5	N	N	50	N	<20	<5	70	N	<5	N	200	10	V	N
77WR396C	<5	N	<5	<20	N	<20	<5	50	V	<5	N	V	<10	V	20
77WR397C	<5	N	<5	<20	N	N	<5	50	V	<5	N	200	<10	N	30
77WR399C	<5	N	<5	<20	N	N	<5	100	N	N	N	200	<10	V	10
77WR399D	15	100	<5	100	N	20	20	20	N	10	N	700	50	V	20
77WR401B	<5	N	<5	50	N	<20	<5	20	V	<5	N	100	20	V	<10
77WR406B	<5	N	<5	50	N	<20	5	50	V	N	N	200	<10	N	<10
77WR409C	15	70	150	70	N	<20	15	N	N	10	N	200	70	V	50
77WR412B	20	150	<5	70	N	<20	50	N	N	15	N	500	100	N	20
77WR413B	15	50	20	50	N	<20	20	20	V	7	N	150	50	V	10
77WR416A	10	N	<5	50	N	<20	5	20	V	7	N	200	30	V	20
7AFR109B	10	30	<5	50	N	<20	10	<10	N	5	N	200	20	V	<10
7AFR118A	<5	200	30	70	N	<20	10	<10	N	20	N	<100	500	N	50
7AFR118B	<5	30	15	50	N	<20	<5	100	V	<5	N	V	300	V	<10
7AFR119A	50	200	30	100	N	<20	50	20	N	20	N	500	150	N	20
7AFR120A	150	300	150	50	N	N	150	10	N	50	N	300	200	N	20
7AFR125	20	150	50	50	20	N	70	30	N	20	N	200	200	V	50
7AFR136M	200	3,000	20	<20	N	<20	2,000	N	N	20	N	N	70	V	N
7AFR136N	200	3,000	10	<20	N	<20	2,000	N	V	20	N	N	100	V	10
7AFR142A	50	100	150	<20	N	<20	30	<10	N	70	N	200	300	N	30
7AFR188A	<5	N	7	30	N	<20	<5	50	100	N	20	<100	<10	N	20
7AFR188B	<5	N	<5	<20	N	N	<5	50	N	V	<10	<100	<10	N	10
7AFR2025	10	50	<5	50	N	<20	10	20	N	15	N	300	100	V	20
7AFR2031	20	100	<5	50	N	<20	30	<10	N	15	N	100	100	V	20
7AFR2055	N	<10	N	50	N	N	N	<10	N	N	N	5,000	<10	N	N
7AFR2066	N	200	30	50	N	<20	<5	<10	N	10	N	V	1,000	V	30
7AFR206B	N	N	<5	50	N	<20	<5	30	V	<5	N	N	<10	N	10
7AFR212A	N	N	<5	50	N	<20	<5	30	N	<5	N	N	<10	V	10
7AFR212B	N	N	<5	50	N	<20	<5	30	N	<5	N	N	<10	V	20
7AFR214B	30	200	10	70	N	<20	50	30	V	15	N	700	100	V	20
7AFR219B	N	N	<5	50	N	<20	<5	50	V	N	N	100	<10	V	30
7AFR234A	<5	N	<5	50	N	<20	<5	50	N	5	N	100	<10	V	20
7AFR258A	50	150	20	70	N	<20	50	20	N	15	N	100	150	N	30
7AFR258B	20	20	<5	50	N	<20	10	30	N	15	N	200	150	V	20
7AFR266A	10	50	<5	50	N	<20	10	10	N	7	N	100	70	V	20
7AFR269C	<5	N	<5	<20	N	<20	<5	50	N	N	N	<100	<10	V	<10
7AFR270A	20	100	10	50	N	<20	20	20	N	15	N	100	150	N	30
7AFR270C	20	150	7	50	N	<20	30	20	N	15	N	1,000	150	V	20
7AFR280C	10	50	N	50	N	<20	15	20	V	5	N	200	100	N	<10
7AFR284A	<5	N	<5	70	N	<20	<5	50	N	10	N	300	10	N	20
7AFR293A	20	300	15	100	N	<20	30	20	N	30	10	V	200	N	30
7AFR3001	30	200	15	50	N	<20	30	20	V	20	N	200	200	N	20
7AFR3009	20	150	15	50	N	<20	20	20	V	20	N	200	150	V	10
7AFR3021	<5	N	<5	<20	N	<20	<5	50	N	5	<10	N	<10	N	<10
7AFR3025	<5	150	20	50	N	<20	50	20	N	15	N	200	500	N	20

sample	S-ZN	S-ZR	AA-AU-P
77WR396A	N	50	N
77WR396C	N	20	N
77WR397C	N	N	N
77WR399C	N	N	N
77WR399D	N	100	N
77WR401B	N	100	N
77WR406B	N	50	N
77WR409C	N	100	N
77WR412B	N	150	N
77WR413B	N	50	N
77WR416A	N	100	N
7AFR109B	N	500	N
7AFR118A	N	200	N
7AFR118B	N	70	N
7AFR119A	N	200	N
7AFR120A	N	100	N
7AFR125	N	150	N
7AFR136M	N	<10	--
7AFR136N	N	100	--
7AFR142A	N	70	--
7AFR188A	N	100	--
7AFR188B	N	30	--
7AFR2025	N	100	N
7AFR2031	N	100	N
7AFR2055	N	N	--
7AFR2066	N	150	--
7AFR206B	N	50	N
7AFR212A	N	50	N
7AFR212B	N	50	N
7AFR214B	N	100	N
7AFR219B	N	50	N
7AFR234A	N	30	N
7AFR258A	N	200	N
7AFR258B	N	150	N
7AFR266A	N	200	N
7AFR269C	N	20	N
7AFR270A	N	200	N
7AFR270C	N	150	N
7AFR280C	N	300	N
7AFR284A	N	200	--
7AFR293A	<200	200	--
7AFR3001	N	300	N
7AFR3009	N	300	N
7AFR3021	N	20	N
7AFR3025	500	200	N

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AS	S-B	S-3A	S-BE	S-BI
7AFR3029	64 27 34	146 11 9	5.00	2.00	10.00	.500	1,000	N	10	500	10.0	V
7AFR3064	64 38 39	145 36 55	.20	.10	.50	.050	200	N	20	200	7.0	V
7AFR3067	64 39 5	145 35 25	.20	.02	.20	.005	100	N	150	50	10.0	V
7AFR3077	64 44 49	145 50 4	10.00	5.00	5.00	.700	1,000	N	10	<20	N	N
7AFR3079	64 44 49	145 50 14	2.00	7.00	.50	.005	300	N	<10	N	N	N
7AFR3080	64 46 14	145 38 59	1.00	.50	.50	.150	200	N	20	2,000	1.0	V
7AFR3085	64 46 35	145 40 0	2.00	2.00	5.00	.300	300	N	10	3,000	2.0	V
7AFR308B	64 53 49	145 14 25	3.00	.50	.10	.005	1,000	N	N	1,500	N	10
7AFR3106	64 53 25	145 0 39	1.00	.70	1.00	.300	300	N	10	1,500	2.0	N
7AFR3130	64 53 9	144 59 9	.20	.10	1.00	.100	100	N	10	1,000	1.0	V
7AFR3144	64 57 20	144 39 55	3.00	1.00	.10	.300	200	N	>2,000	20	2.0	V
7AFR3184	64 38 59	144 7 14	1.00	.30	.50	.150	200	N	10	700	1.0	N
7AFR3195	64 54 5	144 20 9	10.00	3.00	3.00	.700	1,000	N	20	1,000	N	V
7AFR3196	64 54 20	144 20 9	1.00	.20	.20	.200	100	N	20	1,000	<1.0	N
7AFR3205	64 23 54	144 12 39	3.00	1.00	1.50	.300	300	N	10	700	1.0	V
7AFR3260	64 19 59	145 31 0	10.00	3.00	5.00	.500	200	N	20	100	1.0	<10
7AFR348B	64 35 30	145 14 30	1.00	.50	.05	.150	100	N	15	100	N	V
7AFR352C	64 37 45	144 7 14	5.00	.70	.70	.700	300	N	10	500	<1.0	V
7AFR361A	64 39 10	144 6 50	2.00	.50	.70	.300	200	N	50	300	1.0	V
7AFR364C	64 39 5	144 7 45	2.00	.70	.70	.300	2,000	N	50	500	3.0	N
7AFR365C	64 39 10	144 7 50	3.00	1.00	.05	.500	1,500	N	100	500	1.0	N
7AFR369C	64 55 0	144 13 59	5.00	1.50	1.50	.500	500	N	20	2,000	1.5	N
7AFR371A	64 55 14	144 0 20	1.00	.30	.70	.200	200	N	10	1,000	2.0	N
7AFR371B	64 55 14	144 0 20	.07	.02	.20	.010	20	N	10	200	2.0	N
7AFR4087	64 55 35	146 20 44	3.00	1.50	5.00	.500	200	N	70	1,500	1.5	V
7AFR4110	64 25 54	145 43 59	2.00	.70	.15	.500	300	N	30	500	2.0	N
7AFR4141	64 22 5	145 47 49	.50	.15	1.00	.200	150	N	10	50	5.0	V
7AFR4144	64 21 20	145 44 44	3.00	1.00	.30	.500	300	N	50	1,000	1.0	N
7AFR4152	64 23 54	145 22 19	.50	.20	.20	.200	150	N	10	200	<1.0	N
7AFR416G	64 56 9	144 43 40	.70	.20	1.00	.150	200	N	10	300	1.0	V
7AFR417B	64 56 35	144 45 34	1.50	.50	1.00	.200	200	N	20	700	1.0	V
7AFR418A	64 57 39	144 39 44	2.00	1.00	.20	.500	200	N	30	300	1.0	N
7AFR4200	64 46 24	145 23 30	2.00	1.00	.20	.300	200	N	20	5,000	1.0	V
7AFR420B	64 57 39	144 41 25	3.00	.70	.15	.500	200	N	20	500	1.5	V
7AFR421A	64 58 35	144 44 4	3.00	.70	.10	.500	200	N	20	500	1.5	V
7AFR4227	64 44 20	145 26 59	3.00	.70	1.50	.300	500	N	10	700	1.5	N
7AFR422D	64 58 59	144 45 34	2.00	.70	.50	.500	200	N	20	300	1.0	V
7AFR424A	64 58 59	144 43 29	2.00	.50	.30	.200	200	N	15	300	1.5	V
7AFR424B	64 58 59	144 43 29	2.00	.70	.20	.300	300	N	15	300	1.0	V
7AFR529H	64 43 45	144 34 45	10.00	2.00	2.00	1.000	1,500	N	20	200	<1.0	N
7AWR575A	64 22 9	146 27 15	.20	.07	.15	.020	100	N	20	2,000	5.0	<10
7AWR109D	64 14 49	146 11 44	1.00	.30	.20	.300	30	N	10	200	1.0	V
7AWR110B	64 17 53	146 46 54	1.50	.10	.15	.300	30	N	50	1,000	1.5	V
7AWR117B	64 17 30	146 25 24	1.00	.30	.30	.300	30	N	30	300	<1.0	V
7AWR124C	64 18 24	146 18 39	10.00	1.00	5.00	.500	1,000	N	30	300	<1.0	V

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
7AFR3029	50	200	<5	100	N	<20	70	20	N	20	30	500	100	V	20
7AFR3064	<5	N	<5	<20	N	<20	<5	70	V	V	N	200	<10	N	20
7AFR3067	N	N	<5	<20	N	<20	<5	50	V	N	N	V	<10	V	N
7AFR3077	100	300	100	50	N	<20	70	<10	N	50	N	300	300	V	30
7AFR3079	100	1,500	10	<20	N	<20	700	<10	V	5	N	V	20	V	<10
7AFR3080	N	<10	<5	50	N	<20	N	50	N	N	N	<100	10	V	20
7AFR3085	20	200	100	50	N	<20	20	50	V	20	N	300	100	V	20
7AFR3088	50	N	100	50	N	<20	15	1,500	N	N	N	V	<10	V	<10
7AFR3106	<5	N	<5	50	N	<20	<5	20	N	10	N	300	50	V	20
7AFR3130	<5	N	<5	50	N	N	<5	30	N	N	N	300	<10	N	N
7AFR3144	<5	70	<5	70	N	<20	<5	10	V	20	N	100	150	V	15
7AFR3184	<5	N	<5	50	N	<20	<5	20	N	5	N	<100	20	V	N
7AFR3195	150	300	150	50	N	<20	150	<10	V	70	N	1,500	300	V	20
7AFR3196	<5	30	10	50	N	<20	10	N	V	5	N	<100	100	N	10
7AFR3205	15	N	<5	50	N	<20	<5	20	V	20	N	200	100	V	20
7AFR3260	20	500	30	50	N	<20	100	100	N	30	N	700	200	V	30
7AFR3488	<5	<10	<5	50	N	N	15	N	V	V	N	V	20	V	10
7AFR3520	20	50	10	50	N	<20	20	50	N	30	N	200	150	V	70
7AFR361A	20	100	10	50	N	<20	20	20	V	10	N	200	100	V	20
7AFR364C	20	100	10	50	N	<20	20	50	V	10	50	200	100	V	20
7AFR365C	20	100	<5	50	N	<20	30	50	V	15	N	V	100	V	20
7AFR369C	50	200	150	50	N	<20	70	20	V	30	N	200	150	N	20
7AFR371A	<5	N	N	50	N	<20	<5	50	V	5	N	300	30	V	15
7AFR371B	<5	N	N	<20	N	<20	<5	100	N	N	N	V	<10	V	50
7AFR4087	50	200	30	100	N	N	50	50	V	20	15	500	150	V	20
7AFR4110	20	100	20	100	N	<20	50	10	N	15	N	<100	100	N	30
7AFR4141	<5	30	<5	50	N	<20	10	10	V	5	N	200	20	V	20
7AFR4144	30	150	50	50	N	<20	50	50	V	20	N	200	100	V	10
7AFR4152	<5	20	<5	50	N	<20	<5	<10	V	5	N	100	20	V	10
7AFR416G	<5	20	10	50	N	<20	<5	70	N	10	N	300	30	N	20
7AFR417B	<5	<10	5	50	N	<20	<5	20	V	10	N	300	50	V	10
7AFR418A	<5	150	20	70	N	<20	<5	30	N	20	N	200	100	V	20
7AFR4200	<5	50	20	50	N	<20	<5	50	V	10	N	N	50	V	20
7AFR420B	<5	150	20	70	N	<20	5	20	V	20	N	150	100	N	15
7AFR421A	<5	150	20	70	N	<20	5	20	N	20	N	150	150	V	10
7AFR4227	10	20	5	50	N	<20	<5	50	N	20	N	300	70	V	15
7AFR422D	<5	150	10	70	N	<20	5	20	V	20	N	200	100	V	20
7AFR424A	<5	100	5	50	N	<20	5	20	N	15	N	200	100	V	10
7AFR424B	<5	150	15	70	N	<20	<5	20	V	15	N	150	100	V	10
7AFR529H	20	100	100	50	50	20	30	10	V	30	N	300	500	V	50
7AFR575A	<5	<10	<5	<20	V	<20	5	50	V	V	N	<100	N	V	<10
7AWR109D	50	50	<5	50	N	<20	10	<10	N	7	N	100	30	N	<10
7AWR110B	<5	20	<5	70	N	<20	<5	20	V	10	N	<100	30	V	30
7AWR117B	<5	50	15	50	N	<20	5	10	N	7	N	V	50	V	<10
7AWR124C	15	200	<5	50	N	<20	50	<10	V	20	70	500	200	V	50

sample	S-ZN	S-ZR	AA-AU-P
7AFR3029	<200	200	N
7AFR3064	N	50	N
7AFR3067	N	20	N
7AFR3077	N	150	--
7AFR3079	N	N	--
7AFR3080	N	150	--
7AFR3085	<200	100	--
7AFR3088	700	<10	--
7AFR3106	N	70	N
7AFR3130	N	70	N
7AFR3144	<200	150	N
7AFR3184	N	150	N
7AFR3195	<200	70	N
7AFR3196	N	70	N
7AFR3205	N	150	N
7AFR3260	N	100	N
7AFR348B	N	300	N
7AFR352C	N	200	N
7AFR361A	N	300	N
7AFR364C	1,000	200	N
7AFR365C	300	300	N
7AFR369C	N	150	N
7AFR371A	N	100	N
7AFR371B	N	50	N
7AFR4087	N	100	N
7AFR4110	N	200	--
7AFR4141	N	150	N
7AFR4144	N	200	N
7AFR4152	N	300	N
7AFR416G	N	70	N
7AFR417B	N	70	N
7AFR418A	N	300	N
7AFR4200	<200	150	--
7AFR420B	N	200	N
7AFR421A	N	150	N
7AFR4227	N	200	--
7AFR422D	N	200	N
7AFR424A	N	200	N
7AFR424B	N	200	N
7AFR529H	<200	300	N
7AFR575A	N	<10	N
7AWR109D	N	200	N
7AWR110B	N	300	N
7AWR117B	N	300	N
7AWR124C	<200	200	N

sample	LATITUDE	LONGITUD	S-FEX	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AS	S-B	S-3A	S-BE	S-BI
7AWR134D	64 56 35	146 23 49	.50	.03	.20	.100	200	N	10	500	7.0	N
7AWR145F	64 29 14	145 30 0	5.00	2.00	20.00	.700	500	N	20	300	<1.0	N
7AWR167C	64 28 24	146 45 44	3.00	.05	<.05	1.000	70	N	70	700	<1.0	V
7AWR202A	64 27 50	146 8 49	.30	.05	.50	.020	100	N	20	200	3.0	N
7AWR208B	64 19 0	145 46 9	5.00	1.50	2.00	.700	700	N	10	500	1.0	N
7AWR212A	64 18 55	145 47 14	5.00	2.00	10.00	.700	1,000	N	20	<20	7.0	N
7AWR230E	64 36 10	145 51 39	.50	.10	.50	.050	300	N	20	150	7.0	N
7AWR234B	64 58 40	145 9 5	1.00	.50	1.00	.100	200	N	50	1,000	3.0	N
7AWR247B	64 53 25	145 5 25	.50	.05	1.00	.020	50	N	<10	1,000	2.0	N
7AWR248A	64 53 35	145 6 5	.50	.05	.50	.020	50	N	<10	1,000	3.0	N
7AWR250C	64 53 49	145 7 24	3.00	3.00	10.00	.300	700	N	20	1,500	20.0	N
7AWR266B	64 56 30	144 37 0	1.00	.50	.20	.300	500	N	1,500	300	1.0	N
7AWR269A	64 57 34	144 25 18	5.00	.50	20.00	.100	5,000	N	10	<20	70.0	20
7AWR269B	64 57 34	144 25 18	7.00	.50	20.00	.100	1,000	N	<10	<20	N	100
7AWR283A	64 34 59	145 22 30	.20	.10	.50	.100	150	N	500	300	10.0	V
7AWR284E	64 35 14	145 22 50	.20	.07	.30	.030	30	N	30	200	5.0	N
7AWR419B	64 30 29	145 16 59	5.00	3.00	2.00	.500	1,000	N	<10	500	1.0	N
7AWR431C	64 58 40	145 48 34	1.00	.50	.70	.050	200	N	100	200	1.0	V
7AWR440A	64 54 55	145 31 54	2.00	2.00	1.50	.200	500	500	70	2,000	1.5	N
7AWR440C	64 54 55	145 31 54	.50	.03	<.05	.005	20	N	<10	150	<1.0	N
7AWR444C	64 22 59	146 20 49	.50	.10	.20	.050	150	N	50	700	10.0	N
7AWR450C	64 21 50	146 20 39	.50	.10	.50	.030	100	N	<10	200	5.0	N
7AWR450D	64 21 50	146 20 39	1.00	.20	.70	.100	200	N	<10	300	5.0	N
7AWR450E	64 21 50	146 20 39	.50	.10	.30	.030	50	N	<10	500	3.0	N
7AWR454B	64 24 10	146 32 35	3.00	2.00	10.00	.100	1,500	N	<10	1,500	1.0	N
7FR2012C	64 32 49	145 30 20	.70	.03	.05	.010	100	<200	10	50	<1.0	N
7FR2040D	64 30 20	145 6 29	3.00	1.00	.20	.300	300	N	20	700	2.0	N
7FR2058D	64 52 40	145 17 39	10.00	3.00	5.00	.700	1,000	N	<10	50	<1.0	N
7FR2073B	64 39 39	145 10 45	10.00	3.00	5.00	.700	1,000	N	<10	500	1.0	N
7FR2084B	64 41 30	145 16 29	10.00	10.00	.70	.015	500	N	20	<20	N	V
7FR2086B	64 39 44	145 11 54	10.00	2.00	3.00	.700	1,000	N	10	200	1.0	N
7FR2088B	64 39 34	145 12 34	5.00	1.50	1.50	.500	700	N	10	200	<1.0	V
7FR3000B	64 34 29	145 32 44	.20	.05	.30	.020	500	N	200	<20	1.0	N
7FR3014A	64 35 25	145 24 34	5.00	2.00	3.00	.700	1,500	N	<10	1,000	1.0	V
7FR3019A	64 29 14	146 6 29	3.00	.20	.05	.150	100	5,000	50	700	2.0	20
7FR3026C	64 28 40	146 10 35	.20	.10	1.00	.050	150	N	10	200	2.0	N
7FR3060B	64 38 9	145 38 30	.70	.10	.20	.010	700	N	1,000	<20	7.0	N
7FR3069A	64 31 59	145 34 19	.50	.15	.70	.200	200	N	10	100	5.0	V
7FR3071C	64 30 10	145 31 54	7.00	10.00	.50	.015	500	N	<10	<20	N	N
7FR3071E	64 30 10	145 31 54	7.00	10.00	<.05	.010	500	N	10	<20	N	V
7FR3085B	64 46 35	145 40 0	1.00	.10	.50	.150	10	N	50	3,000	<1.0	N
7FR3087B	64 47 25	145 13 29	2.00	.70	.50	.300	500	N	30	<20	<1.0	V
7FR3107A	64 53 39	145 0 29	.20	.10	.50	.100	50	N	30	200	10.0	N
7FR3142A	64 57 15	144 40 45	2.00	.70	.50	.500	300	N	50	500	1.0	V

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-S3	S-SC	S-SN	S-SR	S-V	S-A	S-Y
7AWR134D	<5	30	<5	50	N	<20	<5	<10	V	V	N	N	<10	V	<10
7AWR145F	70	500	<5	70	N	<20	150	<10	V	20	N	2,000	100	N	20
7AWR167C	20	200	150	100	N	<20	50	50	V	20	N	200	200	V	20
7AWR202A	<5	N	<5	<20	N	<20	<5	70	N	N	N	100	<10	V	<10
7AWR208B	20	N	<5	50	N	<20	5	20	V	20	N	300	150	V	10
7AWR212A	50	200	<5	70	N	<20	50	<10	N	30	20	700	150	V	30
7AWR230E	<5	N	5	50	N	<20	<5	100	V	5	N	<100	<10	N	20
7AWR234B	<5	N	<5	50	N	<20	<5	20	V	V	N	<100	<10	V	10
7AWR247B	<5	N	5	50	N	<20	<5	50	V	V	N	200	<10	V	V
7AWR248A	<5	<10	<5	50	N	<20	<5	50	V	5	N	200	<10	N	20
7AWR250C	100	100	50	50	N	<20	70	<10	V	20	50	200	150	V	30
7AWR266B	30	100	10	50	N	<20	30	N	N	5	N	200	50	V	10
7AWR269A	10	50	<5	50	N	<20	10	N	V	5	700	500	20	500	10
7AWR269B	20	50	1,000	50	N	<20	5	<10	N	<5	1,000	3,000	20	100	<10
7AWR283A	<5	N	N	50	N	<20	<5	50	N	N	N	200	<10	V	<10
7AWR284E	N	N	N	50	N	<20	<5	50	N	N	N	200	<10	V	15
7AWR419B	30	500	50	50	N	<20	100	<10	N	20	N	300	200	V	30
7AWR431C	10	<10	5	50	N	<20	10	20	N	<5	N	300	20	N	<10
7AWR440A	15	100	50	70	N	<20	20	20	V	10	N	200	70	V	20
7AWR440C	<5	<10	<5	50	N	<20	<5	<10	N	<5	N	V	30	V	<10
7AWR444C	<5	<10	10	50	N	<20	<5	50	V	<5	N	200	<10	V	20
7AWR450C	<5	<10	<5	50	N	<20	<5	20	V	<5	N	300	<10	N	<10
7AWR450D	<5	<10	5	50	N	<20	20	20	N	5	N	300	20	V	<10
7AWR450E	<5	<10	5	50	N	<20	<5	50	N	<5	N	200	<10	V	10
7AWR454B	10	100	50	50	N	<20	30	20	V	10	N	700	70	V	15
7FR2012C	10	20	7	<20	N	<20	10	N	N	N	N	N	<10	V	N
7FR2040D	15	100	10	50	N	<20	30	20	N	5	N	200	70	N	10
7FR2058D	100	1,000	50	50	N	<20	150	20	N	70	N	2,000	200	V	20
7FR2073B	100	500	20	100	N	<20	150	20	N	50	N	500	300	V	20
7FR2084B	150	5,000	30	<20	N	<20	2,000	N	N	20	N	N	100	N	N
7FR2086B	100	150	50	50	N	<20	50	10	N	50	N	200	500	V	50
7FR2088B	30	N	20	50	N	<20	<5	<10	N	30	N	200	500	V	15
7FR3000B	N	N	<5	<20	N	<20	<5	20	V	V	N	<100	<10	V	<10
7FR3014A	50	200	50	50	N	<20	100	10	N	50	N	200	200	V	30
7FR3019A	10	50	70	50	N	<20	10	1,000	3,000	10	N	100	50	V	20
7FR3026C	N	N	<5	<20	N	<20	<5	50	V	V	N	200	<10	N	20
7FR3060B	<5	N	<5	30	N	<20	<5	50	N	N	30	V	<10	V	N
7FR3069A	<5	N	<5	50	N	<20	<5	<10	N	N	N	100	20	V	<10
7FR3071C	150	1,500	20	50	N	<20	1,500	N	V	5	N	V	30	V	N
7FR3071E	150	5,000	<5	50	N	<20	1,000	N	N	<5	N	V	20	V	V
7FR3085B	<5	70	70	50	N	<20	50	N	V	5	N	N	200	V	20
7FR3087B	20	N	<5	50	N	<20	30	<10	V	V	N	100	50	V	10
7FR3107A	<5	N	<5	50	N	<20	<5	50	N	N	N	100	<10	V	N
7FR3142A	10	100	20	50	N	<20	20	20	V	30	N	200	100	V	20

sample	S-ZN	S-ZR	AA-AU-P
7AWR134D	N	50	N
7AWR145F	N	100	--
7AWR167C	N	300	--
7AWR202A	N	10	N
7AWR208B	N	300	N
7AWR212A	500	300	--
7AWR230E	N	70	--
7AWR234B	N	70	--
7AWR247B	N	100	--
7AWR248A	N	50	--
7AWR250C	1,000	150	--
7AWR266B	N	300	--
7AWR269A	2,000	70	--
7AWR269B	7,000	50	--
7AWR283A	N	70	N
7AWR284E	N	50	N
7AWR419B	N	150	N
7AWR431C	N	20	N
7AWR440A	N	100	N
7AWR440C	N	<10	N
7AWR444C	N	30	N
7AWR450C	N	20	N
7AWR450D	N	30	N
7AWR450E	N	<10	N
7AWR454B	N	30	N
7FR2012C	N	<10	N
7FR2040D	N	100	N
7FR2058D	N	70	--
7FR2073B	<200	300	--
7FR2084B	N	N	--
7FR2086B	<200	200	N
7FR2088B	N	70	N
7FR3000B	N	10	N
7FR3014A	N	200	N
7FR3019A	<200	70	.35
7FR3026C	N	20	N
7FR3060B	N	10	N
7FR3069A	N	20	N
7FR3071C	N	50	N
7FR3071E	N	N	N
7FR3085B	N	70	--
7FR3087B	N	300	N
7FR3107A	N	50	N
7FR3142A	N	200	N

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AS	S-B	S-3A	S-BE	S-3I
7FR3142E	64 57 15	144 40 45	.50	.10	.70	.030	300	N	10	200	5.0	V
7FR3168E	64 35 44	145 22 54	5.00	10.00	10.00	.200	500	N	10	<20	V	V
7FR3168K	64 35 44	145 22 54	5.00	10.00	10.00	.200	500	N	10	<20	N	N
7FR3177A	64 36 44	144 6 50	3.00	1.00	.20	.200	300	N	20	500	3.0	N
7FR3177D	64 36 44	144 6 50	2.00	.30	.70	.200	200	N	20	1,500	1.0	V
7FR3178A	64 36 55	144 7 0	.30	.20	>20.00	.030	100	N	N	<20	N	V
7FR3179A	64 37 30	144 7 9	.20	.70	>20.00	.030	50	N	N	N	N	N
7FR3179B	64 37 30	144 7 9	1.00	.20	1.50	.150	200	N	20	500	3.0	N
7FR3183A	64 38 59	144 7 0	2.00	.50	.20	.200	500	N	50	300	2.0	N
7FR3185B	64 38 59	144 7 30	7.00	.20	.07	.150	1,500	N	10	100	2.0	N
7FR3186A	64 38 54	144 7 50	5.00	.20	.05	.100	1,500	N	150	300	2.0	N
7FR3186B	64 38 54	144 7 50	10.00	.70	.07	.300	>5,000	N	150	200	5.0	N
7FR3186C	64 38 54	144 7 50	2.00	.50	.50	.200	200	N	10	500	2.0	V
7FR3201B	64 23 59	144 12 10	5.00	1.00	2.00	.500	500	N	10	1,000	1.0	V
7FR3203B	64 23 54	144 12 29	3.00	.70	2.00	.500	500	N	10	1,000	1.0	N
7FR3205D	64 23 54	144 12 39	5.00	1.50	.05	.500	300	N	10	1,000	1.0	V
7FR3249A	64 37 35	145 15 24	5.00	5.00	.70	.150	700	N	10	100	N	V
7FR3258	64 19 0	145 29 20	2.00	.50	.70	.150	500	N	20	700	2.0	<10
7FR4021C	64 56 39	146 53 59	3.00	.20	<.05	.200	70	N	50	700	2.0	N
7FR4081A	64 54 44	146 22 0	1.00	.10	.20	.150	50	N	15	700	3.0	N
7FR4090A	64 31 5	145 52 14	1.00	.15	.30	.150	200	N	30	300	<1.0	N
7FR4101A	64 30 34	145 46 29	.50	.15	.10	.150	200	N	30	200	<1.0	V
7FR4175D	64 41 54	145 34 0	5.00	1.50	2.00	.500	1,000	N	30	1,000	1.0	N
7FR4187B	64 47 25	145 29 44	10.00	2.00	.70	.500	300	N	100	3,000	2.0	N
7FR4222A	64 43 40	145 13 0	2.00	.70	.10	.200	200	N	10	<20	<1.0	V
7FR4239A	64 45 44	145 27 10	3.00	1.50	1.00	.300	300	N	10	>5,000	<1.0	V
7WR150B	64 30 0	145 37 19	.30	.10	.70	.050	200	N	700	150	<1.0	N
7WR382A	64 49 40	145 27 50	5.00	1.50	5.00	.300	700	N	<10	<20	<1.0	N
7FR3270G	64 39 50	145 9 24	.20	.05	.05	.020	20	N	<10	200	1.5	<10

Big Delta Quad--Rocks--continued

sample	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-A	S-Y
7FR3142E	<5	N	<5	50	N	<20	<5	70	V	5	N	<100	<10	V	20
7FR3168E	150	>5,000	30	<20	N	<20	500	N	N	70	N	N	200	N	N
7FR3168K	150	>5,000	70	<20	N	<20	300	N	N	70	N	N	150	V	N
7FR3177A	30	100	10	50	N	<20	50	10	N	10	N	100	100	V	10
7FR3177D	10	N	<5	150	N	<20	<5	30	V	5	N	300	10	V	10
7FR3178A	N	20	<5	<20	N	N	<5	20	V	V	N	200	<10	N	N
7FR3179A	N	N	<5	<20	N	N	<5	N	N	N	N	1,000	<10	V	N
7FR3179B	<5	<10	<5	50	N	<20	<5	50	N	<5	N	300	10	V	10
7FR3183A	20	50	10	50	N	<20	20	100	V	7	N	V	70	V	15
7FR3185B	<5	20	150	50	15	<20	20	200	N	10	10	N	100	N	10
7FR3186A	<5	N	<5	50	N	<20	<5	20	N	5	N	N	10	N	20
7FR3186B	50	50	<5	50	N	<20	20	50	V	15	50	V	100	N	30
7FR3186C	<5	20	10	50	N	<20	<5	50	N	10	N	200	50	V	20
7FR3201B	30	N	<5	50	N	<20	<5	20	V	30	N	300	150	N	20
7FR3203B	15	10	<5	50	N	<20	5	20	N	20	N	300	100	V	20
7FR3205D	10	200	30	150	N	<20	5	20	N	30	N	150	150	V	20
7FR3249A	150	2,000	70	N	N	<20	500	N	V	10	N	<100	70	N	10
7FR3258	10	<10	15	50	N	<20	10	20	V	15	N	200	50	N	20
7FR4021C	<5	150	20	50	N	<20	20	<10	N	7	N	N	200	V	10
7FR4081A	<5	N	20	50	N	N	<5	20	N	<5	N	150	150	N	20
7FR4090A	<5	30	<5	50	N	<20	10	30	V	7	N	<100	30	V	15
7FR4101A	<5	50	<5	50	N	<20	20	<10	N	5	N	<100	30	N	10
7FR4175D	50	70	<5	50	N	<20	5	20	N	20	N	500	200	N	20
7FR4187B	50	200	30	70	N	<20	50	<10	N	20	N	300	100	V	20
7FR4222A	<5	30	5	50	N	<20	<5	<10	N	N	N	<100	20	V	10
7FR4239A	<5	100	5	50	N	<20	50	<10	V	10	N	200	100	N	15
7WR150B	<5	N	<5	50	N	N	<5	50	N	5	20	100	<10	N	10
7WR382A	100	200	50	50	N	<20	50	N	N	15	N	300	200	V	20
7FR3270G	<5	<10	<5	<20	N	<20	<5	<10	V	V	N	V	<10	V	<10

AA-AU-P

S-ZR

S-ZN

sample

sample	S-ZN	S-ZR	AA-AU-P
7FR3142E	N	50	N
7FR3168E	N	N	--
7FR3168K	N	N	--
7FR3177A	<200	150	N
7FR3177D	N	150	N
7FR3178A	N	20	N
7FR3179A	N	50	N
7FR3179B	N	70	N
7FR3183A	200	200	N
7FR3185B	2,000	70	N
7FR3186A	<200	100	N
7FR3186B	700	200	N
7FR3186C	N	300	N
7FR3201B	N	150	N
7FR3203B	N	150	N
7FR3205D	N	150	N
7FR3249A	N	30	--
7FR3258	N	100	N
7FR4021C	N	70	--
7FR4081A	N	100	.05
7FR4090A	N	100	--
7FR4101A	N	70	--
7FR4175D	N	100	N
7FR4187B	<200	100	--
7FR4222A	N	150	--
7FR4239A	N	150	--
7WR150B	N	50	--
7WR382A	N	50	N
7FR3270G	N	<10	N

Table 2.--Semi-quantitative spectrographic analyses of ultramafic and adjacent rocks in the northwest part of the Big Delta quadrangle, Alaska.

[Analyses given in parts per million for all elements except Fe, Mg, Ca, and Ti, which are given in percent. N, element not detected in sample; >20, element detected but in amount less than the limit of determination (20).]

FIELD NUMBER	LATITUDE (degrees, minutes, seconds)	LONGITUDE (degrees, minutes, seconds)	FE %	MG %	CA %	TI %	MN ppm	AS ppm	B ppm	B ppm	BE ppm	CO ppm	CR ppm	CU ppm
GK-23	64 45	04N/45	01 05W	7	>10	0.7	0.15	700	N	<10	N	100	3000	10
GK-24	64 45	24N/45	01 48W	10	3	7	1	1000	N	<10	<1	50	500	30
GK-25	64 45	21N/45	02 00W	7	>10	0.5	0.005	700	N	<10	N	150	3000	20
GK-26	64 45	30N/45	02 00W	7	>10	0.3	0.003	700	N	10	N	100	2000	15
GK-27	64 45	38N/45	03 18W	7	>10	0.7	0.007	700	N	15	N	100	2000	10
GK-28	64 45	36N/45	04 00W	7	>10	1	0.007	700	N	<10	N	100	2000	30
GK-29	64 45	42N/45	04 27W	10	>10	0.7	0.015	700	N	10	N	150	3000	15
GK-30	64 45	21N/45	05 25W	10	5	7	0.7	1000	N	<10	N	30	150	15
GK-31	64 45	36N/45	05 07W	7	>10	0.5	0.015	700	N	30	N	150	3000	10
GD-6	64 41	54N/44	58 05W	7	5	5	0.7	1000	N	<10	N	30	300	30
GD-7	64 41	42N/44	57 05W	10	>10	1	0.03	700	N	<10	N	150	3000	15
GD-8	64 42	10N/44	55 40W	10	>10	0.15	0.015	700	N	<10	N	150	3000	7
GD-9	64 41	55N/45	02 15W	10	5	5	0.7	1000	N	<10	N	30	300	70
GD-10	64 41	57N/45	02 05W	7	10	0.5	0.015	700	N	<10	N	100	3000	10
GD-11	64 42	03N/45	02 00W	15	>10	1.5	0.03	700	N	<10	N	150	5000	30
GD-12	64 42	15N/45	01 50W	15	5	7	1	1000	N	<10	N	30	100	50
GD-13	64 42	27N/45	01 20W	7	>10	3	0.015	700	N	<10	N	100	3000	20
GD-14	64 42	33N/45	01 39W	10	>10	1	0.015	1000	N	<10	N	150	3000	30
GD-15	64 42	41N/45	01 38W	10	>10	0.15	0.015	700	N	<10	N	150	1000	15
GD-16	64 42	53N/45	01 35W	7	>10	1	0.015	700	N	<10	N	100	3000	15
GK-47A	64 46	48N/44	44 27W	10	>10	7	0.015	1000	N	<10	N	150	3000	30
GK-47B	64 46	48N/44	44 27W	7	5	5	0.7	1000	N	<10	N	30	500	70
GK-48	64 46	34N/44	44 58W	7	10	0.7	0.015	700	N	<10	N	100	3000	10
GK-49	64 46	26N/44	46 35W	10	>10	0.7	0.015	1000	N	<10	N	150	3000	10
GK-50	64 46	08N/44	46 20W	10	>10	1	0.015	1000	N	<10	N	150	3000	15
GK-51	64 46	00N/44	46 49W	7	10	0.3	0.015	700	N	<10	N	150	3000	7
GK-52	64 46	00N/44	47 15W	10	>10	0.7	0.02	700	N	<10	N	150	3000	15
GK-53	64 46	07N/44	47 28W	3	7	1	0.007	500	N	10	50	70	1500	10
GK-54	64 46	18N/44	47 39W	5	1.5	0.1	0.2	500	N	15	150	10	70	15
GK-55	64 46	42N/44	48 04W	2	0.7	2.0	0.4	300	N	30	>1	N	50	7
GK-57	64 46	21N/44	48 30W	3	1.5	0.15	0.5	500	N	30	150	10	50	15
GK-58	64 46	21N/44	49 11W	5	1	7	0.3	1000	N	30	200	15	70	7
GK-59	64 46	32N/44	49 28W	0.5	0.7	>20	0.03	1000	N	N	N	N	10	7
GK-61	64 46	39N/44	50 37W	2	0.7	20	0.15	500	N	50	<1	N	50	7
GD-18	64 43	17N/45	00 57W	10	>10	1	0.015	1000	N	10	N	150	3000	15
GD-6	64 41	54N/44	58 05W	10	7	10	0.7	1500	N	10	30	70	200	70
GD-7	64 41	42N/44	57 05W	10	10	0.7	0.015	1000	N	10	N	100	3000	30
GD-8	64 42	10N/44	55 40W	7	10	0.07	0.003	700	N	10	N	100	3000	15
GD-9	64 41	55N/45	02 15W	15	7	7	0.5	3000	N	10	70	70	300	150
GD-10	64 41	57N/45	02 05W	7	10	0.5	0.007	700	N	10	N	100	5000	50
GD-11	64 42	03N/45	02 00W	7	10	1	0.007	1000	N	10	N	100	2000	30
GD-12	64 42	15N/45	01 50W	15	5	5	0.7	1500	N	10	70	70	150	70

Table 2.---Semiquantitative spectrographic analyses---continued

FIELD NUMBER	LATITUDE (Degrees, minutes, seconds)	LONGITUDE (Degrees, minutes, seconds)	LA ppm	MO ppm	NB ppm	NI ppm	PB ppm	SC ppm	SN ppm	SR ppm	V ppm	Y ppm	ZN ppm	ZR ppm
GK-23	64 45 04N/45 01 05W		N	N	10	2000	N	15	N	N	50	N	N	N
GK-24	64 45 24N/45 01 48W		N	N	10	100	N	70	N	500	200	30	N	100
GK-25	64 45 21N/45 02 00W		N	N	10	2000	N	10	N	N	30	N	N	N
GK-26	64 45 30N/45 02 00W		N	N	10	2000	N	10	N	N	30	N	N	N
GK-27	64 45 38N/45 02 18W		N	N	10	1500	N	15	N	N	30	N	N	N
GK-28	64 45 36N/45 04 00W		N	N	10	1000	N	15	N	N	50	N	N	N
GK-29	64 46 42N/45 04 27W		N	N	10	2000	N	15	N	N	50	N	N	N
GK-30	64 45 21N/45 05 25W		N	N	10	70	N	50	N	150	300	30	N	70
GK-31	64 45 36N/45 05 07W		N	N	10	15	N	10	N	N	30	N	N	N
GD-6	64 41 54N/44 58 05W		N	N	10	70	N	50	N	200	300	30	N	70
GD-7	64 41 42N/44 57 05W		N	N	10	2000	N	15	N	N	70	N	N	N
GD-8	64 42 10N/44 55 40W		N	N	10	3000	N	7	N	N	300	N	N	N
GD-9	64 41 55N/45 02 15W		N	N	10	100	N	50	N	150	200	30	N	70
GD-10	64 41 57N/45 02 05W		N	N	10	1500	N	10	N	N	50	N	N	N
GD-11	64 42 03N/45 02 00W		N	N	10	2000	N	15	N	N	70	N	N	N
GD-12	64 42 15N/45 01 50W		N	N	10	70	N	50	N	150	300	30	N	70
GD-13	64 42 27N/45 01 20W		N	N	10	2000	N	10	N	N	30	N	N	N
GD-14	64 42 33N/45 01 39W		N	N	10	3000	N	15	N	N	70	N	N	N
GD-15	64 42 41N/45 01 38W		N	N	10	300	N	7	N	N	20	N	N	N
GD-16	64 42 53N/45 01 35W		N	N	10	1500	N	10	N	N	70	N	N	N
GK-47A	64 46 48N/44 44 27W		N	N	10	3000	N	10	N	N	70	N	N	N
GK-47B	64 46 48N/44 44 27W		N	N	10	100	N	30	N	150	300	30	N	70
GK-48	64 46 34N/44 44 58W		N	N	10	2000	N	15	N	N	70	N	N	N
GK-49	64 46 26N/44 45 35W		N	N	10	3000	N	15	N	N	70	N	N	N
GK-50	64 46 08N/44 46 20W		N	N	10	3000	N	15	N	N	70	N	N	N
GK-51	64 46 00N/44 46 49W		N	N	10	1500	N	N	N	N	30	N	N	N
GK-52	64 46 00N/44 47 15W		N	N	10	2000	N	15	N	N	50	N	N	N
GK-53	64 46 07N/44 47 28W		N	N	10	1000	N	7	N	<100	30	N	N	N
GK-54	64 46 18N/44 47 39W		N	N	10	70	N	7	N	<100	50	15	N	100
GK-55	64 46 42N/44 48 04W		N	N	10	15	N	5	N	3000	30	20	N	30
GK-57	64 46 21N/44 48 30W		N	N	10	30	N	10	N	<100	100	10	N	500
GK-58	64 46 27N/44 49 11W		N	N	10	50	N	15	N	700	70	30	N	70
GK-59	64 46 32N/44 49 28W		N	N	10	15	N	<10	N	3000	15	N	N	N
GK-61	64 46 39N/44 50 37W		N	N	10	10	N	15	N	1500	30	20	N	70
GD-18	64 43 17N/45 00 57W		N	N	10	30	N	15	N	N	70	N	N	N
GD-6	64 41 54N/44 58 05W		N	N	10	20	N	50	N	100	200	30	N	70
GD-7	64 41 42N/44 57 05W		N	N	10	2000	N	7	N	N	50	N	N	N
GD-8	64 42 10N/44 55 40W		N	N	10	1500	N	5	N	N	20	N	N	N
GD-9	64 41 55N/45 02 15W		N	N	10	150	N	50	N	700	30	20	N	50
GD-10	64 41 57N/45 02 57W		N	N	10	2000	N	7	N	N	50	N	N	N
GD-11	64 42 03N/45 02 03W		N	N	10	2000	N	10	N	N	50	N	N	N
GD-12	64 42 15N/45 01 50W		N	N	10	50	N	30	N	400	200	30	N	70

Table 2.--Semi-quantitative spectrographic analyses--continued

FIELD NUMBER	LATITUDE (Degrees, minutes, seconds)	LONGITUDE (Degrees, minutes, seconds)	FE %	MG %	CA %	Tl %	MN ppm	AS ppm	B ppm	BA ppm	BE ppm	CO ppm	CR ppm	CU ppm
GD-13	64 42 26N	45 01 25W	10	>10	0.3	0.015	700	N	<10	N	N	150	5000	30
GD-14	64 42 34N	45 01 42W	10	10	0.7	0.015	1000	N	<10	N	N	100	5000	30
GK-23	64 45 02N	45 01 45W	10	>10	0.7	0.015	1000	N	<10	N	N	150	5000	30
GK-25	64 45 23N	45 02 00W	15	10	0.7	<0.002	1000	N	<10	N	N	150	3000	30
GK-26	64 45 30N	45 02 11W	10	>10	0.3	<0.002	1000	N	15	N	N	100	3000	20
GK-28	64 45 37N	45 02 00W	10	>10	0.7	<0.002	1500	N	10	N	N	100	3000	20
GD-18	64 45 17N	45 00 57W	15	>10	0.5	0.015	1000	N	<10	N	N	100	3000	30
GK-47A	64 46 48N	44 54 28W	10	>10	0.5	0.007	1000	N	<10	N	N	100	3000	20
GK-49	64 46 25N	44 55 35W	10	10	0.7	0.007	1000	N	<10	N	N	100	300	15
GK-51	64 46 58N	44 56 50W	10	10	0.7	0.01	1000	N	<10	N	N	100	3000	30
CK-43C	64 45 55N	45 06 52W	10	>10	0.3	0.002	1000	N	20	N	N	100	3000	10
CK-44	64 45 38N	45 06 06W	10	>10	1	0.007	1000	N	10	N	N	50	3000	30
CK-45A	64 45 20N	45 04 04W	15	5	7	1	1500	N	<10	70	<1	70	150	100
CK-45B	64 45 20N	45 04 04W	15	7	7	0.7	2000	N	10	100	N	30	300	70
CK-48	64 46 33N	44 54 55W	10	>10	0.7	0.015	1000	N	<10	N	N	150	3000	5
GK-80	64 47 45N	44 52 03W	20	>10	0.15	0.007	1000	N	<10	N	N	100	1500	10
GK-90	64 50 28N	44 36 50W	15	>10	0.7	0.015	1500	N	30	N	N	150	5000	50
GK-95A	64 50 10N	44 37 00W	10	>10	0.5	0.002	1000	N	30	N	N	100	3000	5
CK-15A	64 45 50N	44 51 30W	5	7	2	<0.002	300	N	10	N	N	50	1500	15
CK-15B	64 45 50N	44 51 30W	5	7	0.2	0.007	300	N	10	30	N	70	1500	15
CK-15C	64 45 50N	44 51 30W	3	0.2	<0.05	0.015	700	N	15	100	N	30	1000	15
CK-15D	64 45 50N	44 51 30W	5	7	0.15	<0.02	300	N	20	520	N	100	1500	15
CK-15E	64 45 50N	44 51 30W	3	10	7	<0.02	300	N	<10	30	N	50	700	30
CK-15H	64 46 20N	44 51 30W	5	10	0.05	<0.002	300	N	15	N	N	100	3000	10
CK-17	64 45 48N	44 51 42W	10	>10	0.7	0.015	1000	N	<10	20	N	150	3000	20
GK-32A	64 45 50N	44 51 50W	10	7	0.7	0.007	300	N	<10	20	N	70	1500	30
GK-33	64 45 50N	44 51 50W	10	>10	0.1	0.005	700	N	70	N	N	1000	2000	15
GK-35	64 45 50N	44 51 50W	10	>10	0.2	0.01	700	N	700	200	N	100	3000	20
GK-36A	64 45 50N	44 51 50W	5	7	0.5	<0.002	300	N	<10	20	N	70	1000	15
GK-38	64 45 50N	44 51 50W	5	7	<0.05	<0.002	300	N	30	N	N	100	1500	20
CK-55	64 45 32N	44 54 00W	10	>10	0.7	0.015	1000	N	<10	N	N	100	3000	30
CK-57A	64 45 25N	44 54 30W	10	>10	0.1	<0.002	1000	N	<10	N	N	100	3000	15
ED-16	64 45 57N	44 55 23W	5	10	0.3	0.01	700	N	N	N	N	70	1500	15
ED-17	64 45 30N	44 52 15W	15	>10	0.7	0.02	1000	N	<10	N	N	150	3000	50
ED-18	64 45 30N	44 52 16W	15	>10	1	0.02	1000	N	<10	N	N	100	3000	30
ED-19	64 45 35N	44 52 48W	15	>10	0.7	0.015	1000	N	<10	N	N	150	3000	30
ED-20	64 45 45N	44 52 30W	10	>10	0.7	0.015	1000	N	<10	N	N	100	3000	20
ED-21	64 45 45N	44 53 00W	10	10	0.15	0.015	700	N	<10	N	N	100	3000	15
ED-23	64 45 52N	44 52 50W	7	10	0.1	0.003	700	N	<10	N	N	70	2000	7
ED-71	64 46 35N	44 50 32W	7	10	0.2	0.01	500	N	<10	N	N	70	3000	7
ED-72	64 46 34N	44 50 53W	10	10	0.2	<0.002	700	N	<10	N	N	100	3000	10
ED-73	64 46 38N	44 49 25W	7	10	0.3	<0.002	700	N	<10	N	N	70	1500	20
ED-74	64 45 25N	44 49 03W	10	10	1	0.003	1000	N	<10	N	N	70	3000	30
ED-75	64 45 18N	44 48 52W	7	10	0.3	0.005	700	N	<10	N	N	70	1500	30

Table 2.--Semi-quantitative spectrographic analyses--continued

FIELD NUMBER	LATITUDE (Degrees, minutes, seconds)	LONGITUDE (Degrees, minutes, seconds)	LA ppm	MO ppm	NB ppm	NI ppm	PB ppm	SC ppm	SN ppm	SR ppm	V ppm	Y ppm	ZN ppm	ZR ppm
GD-13	64 42 26N/45 01 25W		N	<5	<20	3000	N	7	N	N	30	N	N	N
GD-14	64 42 34N/45 01 49W		N	<5	<20	2000	N	10	N	N	70	N	N	N
GK-23	64 45 04N/45 01 45W		N	<5	<20	2000	N	10	N	N	70	N	N	N
GK-25	64 45 22N/45 02 00W		N	<5	<20	3000	N	15	N	N	50	N	N	N
GK-26	64 45 30N/45 02 11W		N	<5	<20	2000	N	10	N	N	50	N	N	N
GK-28	64 45 37N/45 04 00W		N	<5	<20	2000	N	10	N	N	50	N	N	N
GK-47A	64 46 18N/45 00 57W		N	<5	<20	2000	N	10	N	N	70	N	N	N
GK-49	64 46 25N/45 45 35W		N	N	<20	2000	N	7	N	N	50	N	N	N
GK-51	64 45 58N/45 46 50W		N	N	<20	2000	N	7	N	N	50	N	N	N
CK-43C	64 45 54N/45 05 52W		N	N	<20	3000	N	7	N	N	50	N	N	N
CK-44	64 45 38N/45 06 06W		N	N	<20	2000	N	10	N	N	50	N	N	N
CK-45A	64 45 20N/45 04 04W		N	N	<20	70	N	30	N	300	200	30	N	100
CK-45B	64 45 20N/45 04 04W		N	N	<20	70	N	30	N	150	300	30	N	70
CK-48	64 46 33N/45 44 55W		N	N	<20	2000	N	10	N	N	50	N	N	N
CK-80	64 47 43N/45 42 03W		N	N	<20	2000	N	5	N	N	15	N	N	N
GK-90	64 50 20N/45 36 50W		N	N	<20	3000	N	10	N	N	70	N	N	N
GK-95A	64 50 10N/45 37 00W		N	N	<20	2000	30	7	N	N	70	N	N	N
CK-15A	64 45 50N/45 51 30W		N	N	<20	1000	<10	5	N	300	20	N	N	N
CK-15B	64 45 50N/45 51 30W		N	N	<20	1500	N	7	N	N	30	N	N	N
CK-15C	64 45 50N/45 51 30W		N	N	<20	200	N	5	N	N	30	N	N	N
CK-15D	64 45 50N/45 51 30W		N	N	<20	1500	N	5	N	N	30	N	N	N
CK-15E	64 45 50N/45 51 30W		N	N	<20	300	N	7	N	100	20	N	N	N
CK-15H	64 45 50N/45 51 30W		N	N	<20	1500	N	5	N	N	15	N	N	N
CK-17	64 45 48N/45 51 42W		N	N	<20	2000	N	10	N	N	20	N	N	N
GK-32A	64 45 50N/45 51 50W		N	N	<20	1500	N	7	N	N	30	N	N	N
GK-33	64 45 50N/45 51 50W		N	N	<20	2000	N	7	N	N	30	N	N	N
GK-35	64 45 50N/45 51 50W		N	N	<20	1000	N	<5	N	N	15	N	N	N
GK-36A	64 45 50N/45 51 50W		N	N	<20	1500	N	<5	N	N	15	N	N	N
GK-38	64 45 50N/45 51 50W		N	N	<20	1500	N	<5	N	N	20	N	N	N
CK-55	4 45 32N/45 54 00W		N	N	<20	2000	N	15	N	N	50	N	N	N
CK-57A	64 45 25N/45 54 30W		N	N	<20	2000	N	5	N	N	10	N	N	N
ED-16	64 45 30N/45 52 33W		N	N	<20	1500	N	7	N	N	30	N	N	N
ED-17	64 45 30N/45 52 15W		N	N	<20	2000	N	15	N	N	50	N	N	N
ED-18	64 45 30N/45 52 16W		N	N	<20	2000	N	15	N	N	50	N	N	N
ED-19	64 45 33N/45 52 48W		N	N	<20	2000	N	15	N	N	50	N	N	N
ED-20	64 45 45N/45 52 30W		N	N	<20	2000	N	15	N	N	50	N	N	N
ED-21	64 45 45N/45 52 00W		N	N	<20	1500	N	10	N	N	50	N	N	N
ED-23	64 45 52N/45 52 50W		N	N	<20	1500	N	5	N	N	15	N	N	N
ED-71	64 45 35N/45 50 32W		N	N	<20	1500	N	7	N	N	30	N	N	N
ED-72	64 45 34N/45 49 53W		N	N	<20	2000	N	10	N	N	30	N	N	N
ED-73	64 45 36N/45 49 25W		N	N	<20	1500	N	7	N	N	30	N	N	N
ED-74	64 45 24N/45 49 03W		N	N	<20	1500	N	10	N	N	50	N	N	N
ED-75	64 45 18N/45 48 52W		N	N	<20	2000	N	7	N	N	30	N	N	N

Table 2.--Semi-quantitative spectrographic analyses--continued

FIELD NUMBER	LATITUDE (Degrees, minutes, seconds)	LONGITUDE (Degrees, minutes, seconds)	LA ppm	MO ppm	NB ppm	NI ppm	PB ppm	SC ppm	SN ppm	SR ppm	V ppm	Y ppm	ZN ppm	ZR ppm
CK-43C	64 45 53N/45 05 33W		N	N	N	2000	N	7	N	N	30	N	N	N
CK-44	64 45 38N/45 06 08W		N	N	N	2000	N	10	N	N	50	N	N	N
CK-45A	64 45 20N/45 04 09W		N	N	N	50	N	70	N	300	300	30	N	100
CK-45B	64 45 20N/45 04 09W		N	N	N	50	N	70	N	150	300	30	N	70
CK-45C	64 45 38N/45 04 53W		N	N	N	2000	N	10	N	N	30	N	N	N
CK-55A	64 45 32N/45 53 02W		N	N	N	1500	N	10	N	N	50	N	N	N
CK-55B	64 45 20N/45 53 52W		N	N	N	100	N	50	N	300	200	20	N	50
CK-55C	64 45 25N/45 53 53W		N	N	N	2000	N	7	N	N	30	N	N	N
CK-59A	64 45 25N/45 53 53W		N	N	N	3000	N	10	N	N	30	N	N	N
CK-63A	64 57 12N/45 36 53W		N	N	N	2000	N	10	N	N	30	N	N	N
CK-63B	64 57 12N/45 36 53W		N	N	N	1000	N	5	N	50	15	N	N	N
CK-63C	64 57 12N/45 36 53W		N	N	N	1000	N	7	N	10	20	N	N	N
CK-63D	64 57 12N/45 36 53W		N	N	N	1500	N	7	N	7	30	N	N	N
CK-64A	64 57 04N/45 42 00W		N	N	N	1500	N	N	N	20	N	N	N	N
CK-64B	64 57 04N/45 42 00W		N	N	N	2000	N	N	N	N	10	N	N	N
CK-101	64 57 48N/45 22 05W		N	N	N	2000	N	10	N	N	30	N	N	N
CK-103	64 57 23N/45 22 10W		N	N	N	2000	N	10	N	N	50	N	N	N
CK-105	64 57 55N/45 23 20W		N	N	N	2000	N	10	N	N	30	N	N	N
CK-107	64 57 36N/45 23 35W		N	N	N	1500	N	10	N	N	50	N	N	N
CK-111	64 57 10N/45 24 05W		N	N	N	1500	N	5	N	N	10	N	N	N
CK-113	64 57 03N/45 24 20W		N	N	N	2000	N	15	N	N	50	N	N	N
GD-54	64 57 24N/45 34 20W		N	N	N	2000	N	15	N	N	50	N	N	N
GD-57	64 57 37N/45 33 55W		N	N	N	1500	N	7	N	N	30	N	N	N
GD-58	64 57 33N/45 33 02W		N	N	N	100	N	50	N	200	150	10	N	10
GD-71	64 57 30N/45 16 10W		N	N	N	2000	N	10	N	N	30	N	N	N
GD-81B	64 57 38N/45 16 22W		N	N	N	20	N	5	N	300	20	N	N	100
GD-83	64 57 34N/45 16 38W		N	N	N	50	N	50	N	100	200	20	N	50
GD-82	64 57 35N/45 16 32W		N	N	N	50	N	70	N	200	200	20	N	30
GD-92	64 57 32N/45 16 31W		N	N	N	2000	N	10	N	N	20	N	N	N
ED-25	64 49 02N/45 52 07W		N	N	7	N	30	7	N	150	N	20	N	50
ED-26	64 49 10N/45 52 25W		N	N	7	1	20	10	N	300	30	20	N	200
ED-31	64 48 28N/45 52 45W		N	N	N	3	20	20	N	500	150	20	N	150
ED-42	64 48 28N/45 52 12W		N	N	N	5	15	30	N	500	150	20	N	100
ED-43	64 48 20N/45 49 52W	50	N	N	7	2	10	15	N	200	70	20	N	100
ED-44	64 48 20N/45 49 35W		N	N	N	2	20	15	7	500	50	15	N	20
ED-45	64 48 20N/45 49 02W		N	N	7	1.5	15	15	10	500	70	15	N	70
ED-46	64 48 20N/45 48 50W		N	N	7	2	N	15	N	150	70	10	N	70
ED-73	64 45 25N/45 49 25W		N	N	N	2000	N	10	N	N	30	N	N	N
ED-75	64 45 19N/45 48 28W		N	N	N	2000	N	7	N	N	20	N	N	N

Table 3.--Analyses of platinum group minerals of ultramafic rocks from the Big Delta quadrangle, Alaska
 [Values given in parts per million. 0.2N, element not detected in sample at 0.2 ppm limit of determination.]

FIELD NUMBER	LATITUDE (Degrees, minutes, seconds)	LONGITUDE (Degrees, minutes, seconds)	PT ppm	PD ppm	RH ppm	RU ppm	IR ppm
74W-199B	64 10 05N	144 00 15W	0.002N	0.001N	0.002N	0.1N	0.1N
74W-322B	64 16 22N	145 00 10W	0.004N	0.002	0.004N	0.2N	0.2N
74-540B	64 06 49N	144 21 57W	0.004N	0.004	0.004N	0.2N	0.2N
74-591	64 16 10N	144 05 16W	0.002N	0.001N	0.002N	0.1N	0.1N
74-670B	64 03 05N	144 17 37W	0.008	0.002	0.004N	0.2N	0.2N
74-670C	64 03 05N	144 17 37W	0.004N	0.002	0.004N	0.2N	0.2N
74-672B	64 03 20N	144 21 38W	0.004N	0.006	0.004N	0.2N	0.2N
74-672C	64 03 20N	144 21 38W	0.004N	0.006	0.004N	0.2N	0.2N
74-687A	64 04 03N	144 16 20W	0.004N	0.002N	0.004N	0.2N	0.2N
74-687B	64 04 03N	144 16 20W	0.004N	0.002N	0.004N	0.2N	0.2N
74-784	64 09 20N	144 57 30W	0.004N	0.002	0.004N	0.2N	0.2N
74-785	64 09 20N	144 57 30W	0.005	0.002	0.004N	0.2N	0.2N
74-862	64 14 43N	145 19 47W	0.002N	0.001N	0.002N	0.1N	0.1N
74-2268B	64 07 30N	144 08 52W	0.004N	0.002	0.004N	0.2N	0.2N
74-2268C	64 07 30N	144 08 52W	0.002N	0.001N	0.002N	0.1N	0.1N
74-2269A	64 07 22N	144 08 52W	0.004N	0.002N	0.004N	0.2N	0.2N
74-2269B	64 07 22N	144 08 52W	0.004N	0.002N	0.004N	0.2N	0.2N
74-2314C	64 16 08N	144 17 45W	0.002N	0.018	0.002N	0.1N	0.1N
74-2322A	64 15 23N	144 20 43W	0.002N	0.001N	0.002N	0.1N	0.1N
74-2340	64 09 40N	144 16 00W	0.002N	0.001N	0.002N	0.1N	0.1N
74-2346A	64 09 25N	144 16 00W	0.002N	0.001N	0.002N	0.1N	0.1N
74-2349	64 09 11N	144 16 50W	0.002N	0.001N	0.002N	0.1N	0.1N
74-2351A	64 09 07N	144 17 05W	0.002N	0.001N	0.002N	0.1N	0.1N
74-2351B	64 09 07N	144 17 05W	0.002N	0.001N	0.002N	0.1N	0.1N
74-2394	64 12 05N	144 18 23W	0.010	0.002	0.004N	0.2N	0.2N
74-3002G	64 08 41N	144 18 45W	0.002N	0.001N	0.002N	0.1N	0.1N
74-3002H	64 08 41N	144 18 45W	0.002N	0.001N	0.002N	0.1N	0.1N
74-3002I	64 07 30N	144 24 05W	0.004N	0.002N	0.004N	0.2N	0.2N
74-3002J	64 07 30N	144 24 05W	0.004N	0.002N	0.004N	0.2N	0.2N
74-3002K	64 07 35N	144 23 57W	0.002N	0.001N	0.002N	0.1N	0.1N
74-3002L	64 07 35N	144 23 57W	0.002N	0.001N	0.002N	0.1N	0.1N
74-3034	64 16 57N	144 45 00W	0.002N	0.001	0.002N	0.1N	0.1N
74-3035	64 17 00N	144 45 00W	0.002N	0.001N	0.002N	0.1N	0.1N
74-3051A	64 20 21N	144 50 05W	0.004N	0.006	0.004N	0.2N	0.2N
74-3088C	64 10 10N	144 16 07W	0.015	0.007	0.004	0.1N	0.1N
74-3089A	64 10 37N	144 16 50W	0.004N	0.002N	0.004N	0.2N	0.2N
74-3089B	64 10 32N	144 17 24W	0.004N	0.006	0.004N	0.2N	0.2N
74-3091A	64 10 20N	144 18 30W	0.004N	0.002	0.004N	0.2N	0.2N
74-3092A	64 10 15N	144 19 00W	0.002N	0.001	0.002N	0.1N	0.1N
74-3107	64 09 10N	144 17 00W	0.002N	0.001N	0.002N	0.1N	0.1N
74-3108A	64 11 05N	144 17 50W	0.004N	0.002	0.004N	0.2N	0.2N
74-3110B	64 10 22N	144 15 43W	0.002N	0.001N	0.002N	0.1N	0.1N
74-3207	64 08 33N	144 28 00W	0.004N	0.002N	0.014	0.2N	0.2N

FIELD NUMBER	LATITUDE (Degrees, minutes, seconds)	LONGITUDE (Degrees, minutes, seconds)	PT ppm	PD ppm	RH ppm	RU ppm	IR ppm
75-380C	64 40 36N	144 08 46W	0.005N	0.001N	0.002N	0.2N	0.1N
75-382B	64 40 48N	144 10 03W	0.005N	0.001	0.002N	0.2N	0.1N
75-3038B	64 23 45N	144 42 19W	0.005N	0.007	0.002N	0.2N	0.1N
75-3039D	64 23 36N	144 42 33W	0.007	0.005	0.002N	0.2N	0.1N
75-3050	64 23 34N	144 42 41W	0.005N	0.001	0.002N	0.2N	0.1N
75-3104C	64 30 54N	144 57 28W	0.01N	0.004	0.004N	0.4N	0.2N
75-3119D	64 34 55N	144 57 28W	0.01N	0.002	0.004N	0.4N	0.2N
75-3119F	64 34 55N	144 57 28W	0.005N	0.001N	0.002N	0.2N	0.1N
75-3119H	64 34 55N	144 57 28W	0.005N	0.001	0.002N	0.2N	0.1N
75-3343A	64 52 43N	144 30 38W	0.005N	0.001N	0.002N	0.2N	0.1N
75-3402	64 52 40N	144 30 31W	0.005N	0.001N	0.002N	0.2N	0.1N
75W-1918	64 19 44N	144 35 31W	0.005N	0.001N	0.002N	0.2N	0.1N
76-1280C	64 08 25N	145 01 40W	0.015	0.02	0.002N	0.2N	0.1N
76-1280D	64 08 25N	145 01 40W	0.02	0.01	0.002N	0.2N	0.1N
76-1318A	64 08 42N	145 00 55W	0.005N	0.001	0.002N	0.2N	0.1N
76-1318B	64 08 42N	145 00 55W	0.005N	0.001N	0.002N	0.2N	0.1N
76-136	64 08 28N	145 02 48W	0.005N	0.002	0.002N	0.2N	0.1N
76-4064	64 08 25N	145 02 46W	0.005N	0.002	0.002N	0.2N	0.1N
76-4065	64 08 21N	145 02 48W	0.02	0.005	0.002N	0.2N	0.1N
76-4066	64 08 26N	145 03 03W	0.005	0.005	0.002N	0.2N	0.1N
76-4066A	64 08 26N	145 03 03W	0.005	0.007	0.002N	0.2N	0.1N
77-3071C	64 30 10N	145 31 53W	0.005N	0.02	0.002N	0.2N	0.1N
77-3071E	64 30 10N	145 31 53W	0.015N	0.002	0.004N	0.4N	0.2N
77-3105E	64 51 45N	144 16 25W	0.005	0.003	0.002N	0.2N	0.1N
77-3094B	64 41 30N	145 16 30W	0.01N	0.002	0.004N	0.4N	0.2N
77-3077	64 44 50N	145 50 05W	0.005N	0.001N	0.002N	0.2N	0.1N
77-3168E	64 35 45N	145 22 55W	0.04N	0.2	0.004N	0.4N	0.2N
77-3168K	64 35 45N	145 22 55W	0.1N	0.6	0.004N	0.4N	0.2N
77-3249A	64 37 35N	145 15 25W	0.005N	0.001N	0.002N	0.2N	0.2N
77-537	64 48 25N	145 44 05W	0.005N	0.001N	0.002N	0.2N	0.2N

Table 4.--Analyses for mercury of rocks from the Big Delta quadrangle, Alaska.
 [Values given in parts per million. 0.02N, Hg not detected in sample at 0.02 ppm limit of determination.]

FIELD NUMBER	LATITUDE (degrees, minutes, seconds)	LONGITUDE (degrees, minutes, seconds)	HG Ppm
74-5490	64 09 30N	146 08 45W	0.02N
74-5488	64 12 48N	145 22 01W	0.02N
74-5498	64 12 48N	145 22 01W	0.02N
74-5499	64 12 33N	145 21 56W	0.02N
74-557	64 16 59N	144 52 37W	0.02N
74-568	64 16 28N	144 52 15W	0.02N
74-570A	64 16 28N	144 52 15W	0.02N
74-578	64 17 13N	144 52 50W	0.02
74-584	64 16 07N	144 06 50W	0.02
74-595	64 16 07N	144 07 59W	0.02
74-597	64 15 50N	144 11 57W	0.02
74-599B	64 17 57N	144 15 02W	0.04
74-601A	64 17 31N	144 15 30W	0.02N
74-601B	64 17 31N	144 15 30W	0.02N
74-601C	64 17 31N	144 15 30W	0.02
74-601D	64 17 31N	144 15 30W	0.01
74-601E	64 17 31N	144 15 30W	0.02N
74-601F	64 17 31N	144 15 30W	0.1
74-608	64 16 08N	144 14 30W	0.04
74-619	64 26 27N	144 24 00W	0.02N
74-622	64 26 01N	144 23 30W	0.06
74-624	64 14 55N	144 13 51W	0.06
74-651B	64 03 07N	144 03 10W	0.08
74-658	64 00 50N	144 05 00W	0.04
74-659	64 00 35N	144 05 17W	0.02
74W-185	64 08 56N	144 23 57W	0.04
74W-133	64 07 03N	145 19 12W	0.02N
74W-136	64 06 52N	145 21 12W	0.02N
74W-142B	64 05 08N	144 35 50W	0.04
74W-167	64 19 08N	144 01 10W	0.04
74W-171A	64 19 08N	144 01 10W	0.02N
74W-171B	64 19 28N	144 05 30W	0.02
74W-173B	64 19 12N	144 13 15W	0.02N
74W-177C	64 20 03N	144 13 00W	0.06
74W-177D	64 20 03N	144 13 00W	0.04
74W-179A	64 20 27N	144 12 57W	0.08
74W-179B	64 20 27N	144 12 57W	0.04
74W-179C	64 20 27N	144 12 57W	0.06
74W-179D	64 20 27N	144 12 57W	0.02N
74W-180A	64 21 05N	144 12 30W	0.02N
74W-180B	64 21 05N	144 12 30W	0.08
74W-180D	64 21 05N	144 12 30W	0.06
74W-181A	64 21 07N	144 13 49W	0.04
74W-181B	64 21 07N	144 13 49W	0.06
74W-181C	64 21 07N	144 13 49W	0.18
74W-181D	64 21 07N	144 13 49W	0.14
74W-181E	64 21 07N	144 13 49W	0.06
74W-186B	64 21 20N	144 11 57W	0.02
74W-187	64 21 43N	144 11 57W	0.02N
74W-198B	64 09 37N	144 00 07W	0.02N
74W-201B	64 10 55N	144 00 38W	0.02N
74W-222	64 15 02N	144 19 31W	0.02N
74-2265	64 08 10N	144 09 40W	0.02
74-2270	64 07 07N	144 09 17W	0.02
74-2282B	64 04 35N	144 32 03W	0.02N
74-2290	64 09 09N	144 36 28W	0.02N
74-2295B	64 08 00N	144 36 05W	0.02
74-2297A	64 18 17N	144 51 30W	0.02
74-2300	64 18 27N	144 47 50W	0.02
74-2305	64 19 13N	144 43 00W	0.08
74-2307	64 18 15N	144 16 57W	0.02N
74-2309	64 17 25N	144 16 57W	0.02N
74-2311A	64 16 37N	144 16 57W	0.02
74-2311B	64 16 37N	144 16 57W	0.02
74-2312	64 16 35N	144 16 53W	0.02
74-2317	64 15 58N	144 18 57W	0.02
74-2319	64 15 25N	144 19 13W	0.02
74-2320	64 15 24N	144 19 15W	0.04
74-2321	64 15 20N	144 20 08W	0.04
74-2322B	64 15 23N	144 20 53W	0.04
74-2325A	64 18 50N	144 26 17W	0.06
74-2325B	64 18 50N	144 26 17W	0.02
74-2329	64 19 35N	144 23 17W	0.02
74-2330	64 19 53N	144 22 15W	0.02N
74-2331B	64 19 53N	144 21 35W	0.02
74-2338	64 08 55N	144 10 10W	0.02
74-2342A	64 09 30N	144 14 38W	0.02
74-2352B	64 09 12N	144 16 49W	0.02
74-2352C	64 09 12N	144 16 49W	0.06
74-267A	64 07 07N	144 05 53W	0.1
74-2370	64 24 15N	144 25 35W	0.08
74-2371B	64 24 38N	144 23 58W	0.04
74-2373C	64 24 38N	144 23 58W	0.02
74-2374	64 24 52N	144 22 30W	0.04
74-2376	64 25 00N	144 21 40W	0.1
74-2381	64 25 08N	144 21 02W	0.04
74-2406A	64 13 20N	144 22 33W	0.1
74-2437	64 08 52N	144 55 00W	0.06
74-2438A	64 08 59N	144 54 57W	0.04
74-2438B	64 08 59N	144 54 57W	0.08
74-2456A	64 24 43N	144 24 47W	0.06
74-2463	64 24 08N	144 24 57W	0.1
74-2484	64 07 23N	145 04 04W	0.02N
74-3135A	64 24 45N	144 13 40W	0.06
74-3135B	64 24 37N	144 14 00W	0.02
74-3139	64 25 50N	144 13 35W	0.02
74-3148	64 27 50N	144 02 17W	0.02N
74-3173B	64 16 33N	144 23 18W	0.08
74-3173E	64 16 33N	144 23 18W	0.02
74-3174C	64 16 27N	144 23 28W	0.02N
74-3219	64 26 45N	144 22 45W	0.04
74-3224E	64 28 05N	144 20 13W	0.02N
74-3235A	64 23 08N	144 14 49W	0.02N
74-3266	64 14 19N	145 27 20W	0.02
74W-263A	64 29 12N	144 02 49W	0.1
74W-267	64 28 18N	144 02 53W	0.08
74W-274	64 24 35N	144 00 08W	0.06
74W-275	64 24 47N	144 00 33W	0.02N
74W-288A	64 10 40N	145 25 13W	0.02N
74-3267A	64 14 10N	145 26 50W	0.02
74-657B	64 00 35N	144 05 17W	0.08
74-675	64 03 59N	144 20 43W	0.08
74-702	64 23 15N	144 25 33W	0.08
74-766	64 07 11N	144 06 20W	0.02N
74-817	64 22 30N	144 09 22W	0.08