

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1893	Y-522	17° 5.56'S	30° 2.28'E	46	< 1	< 0.1	15	58	3.08	7	62	2	< 10
1894	Y-523	17° 5.56'S	30° 2.55'E	82	2	< 0.1	28	141	5.87	20	36	5	< 10
1895	Y-524	17° 5.56'S	30° 2.84'E	107	2	0.1	28	188	6.24	17	70	4	< 10
1896	Y-525	17° 5.56'S	30° 3.13'E	81	3	< 0.1	35	79	3.49	11	90	4	< 10
1897	Y-526	17° 5.56'S	30° 3.41'E	73	3	< 0.1	26	63	2.38	10	72	3	< 10
1898	Y-527	17° 5.56'S	30° 3.69'E	78	5	< 0.1	26	98	3.96	15	80	4	< 10
1899	I-547	17° 4.47'S	30° 10.76'E	17	< 1	< 0.1	33	21	0.85	2	40	< 2	< 10
1900	I-548	17° 4.47'S	30° 11.02'E	48	4	< 0.1	38	43	1.76	5	41	3	< 10
1901	I-549	17° 4.47'S	30° 11.32'E	193	20	0.6	65	149	7.34	21	86	< 2	< 10
1902	I-550	17° 4.47'S	30° 11.59'E	35	< 1	< 0.1	29	12	0.70	2	44	< 2	< 10
1903	I-551	17° 4.47'S	30° 11.86'E	75	4	< 0.1	52	59	1.96	11	101	< 2	< 10
1904	I-552	17° 4.20'S	30° 11.86'E	75	2	< 0.1	47	47	2.12	14	72	2	< 10
1905	I-553	17° 4.21'S	30° 11.59'E	23	2	< 0.1	28	6	0.69	4	39	< 2	< 10
1906	I-554	17° 4.20'S	30° 11.30'E	73	6	0.1	31	20	1.07	7	39	< 2	< 10
1907	I-555	17° 4.20'S	30° 11.02'E	116	1	0.2	34	17	0.67	4	33	< 2	< 10
1908	I-556	17° 4.20'S	30° 10.74'E	12	< 1	< 0.1	21	291	0.62	4	44	17	< 10
1909	I-557	17° 4.19'S	30° 10.46'E	14	< 1	< 0.1	16	12	0.66	3	26	< 2	< 10
1910	I-558	17° 3.93'S	30° 10.47'E	12	< 1	< 0.1	< 2	8	0.67	4	62	< 2	< 10
1911	I-559	17° 3.93'S	30° 10.74'E	17	2	< 0.1	23	15	0.67	4	45	< 2	< 10
1912	I-560	17° 3.93'S	30° 11.02'E	9	< 1	0.1	14	11	0.52	2	45	< 2	< 10
1913	I-561	17° 3.93'S	30° 11.30'E	16	1	0.4	14	26	0.72	2	43	< 2	< 10
1914	I-562	17° 3.92'S	30° 11.59'E	11	< 1	0.2	13	13	0.57	3	36	< 2	< 10
1915	I-563	17° 3.93'S	30° 11.87'E	60	1	< 0.1	40	53	1.87	13	56	2	< 10
1916	I-564	17° 3.66'S	30° 11.87'E	41	< 1	0.2	42	61	2.17	12	61	2	< 10
1917	I-565	17° 3.67'S	30° 11.59'E	16	1	< 0.1	14	68	0.39	3	24	6	< 10
1918	I-566	17° 3.66'S	30° 11.31'E	27	3	0.1	31	36	1.40	8	72	2	< 10
1919	I-567	17° 3.67'S	30° 11.02'E	15	< 1	0.1	11	13	0.48	3	61	< 2	< 10
1920	I-568	17° 3.65'S	30° 10.75'E	25	2	0.1	26	14	0.59	3	21	< 2	< 10
1921	I-569	17° 3.65'S	30° 10.46'E	7	< 1	< 0.1	11	8	0.80	3	29	< 2	< 10
1922	I-570	17° 3.66'S	30° 10.19'E	28	2	< 0.1	25	48	2.53	12	55	22	< 10
1923	I-571	17° 3.93'S	30° 10.18'E	25	1	< 0.1	27	39	2.38	10	59	3	< 10
1924	I-572	17° 4.20'S	30° 10.17'E	13	< 1	< 0.1	16	18	1.20	4	26	21	< 10
1925	I-573	17° 4.47'S	30° 10.18'E	8	1	< 0.1	17	11	0.61	2	24	< 2	< 10
1926	I-574	17° 4.47'S	30° 10.47'E	25	< 1	< 0.1	19	13	0.89	6	74	< 2	< 10
1927	S-451	17° 7.19'S	30° 9.34'E	5	1	< 0.1	22	20	1.41	< 1	27	3	10
1928	S-452	17° 7.19'S	30° 9.06'E	8	5	0.2	23	19	1.69	< 1	27	2	10
1929	S-453	17° 7.19'S	30° 8.78'E	6	36	< 0.1	32	37	1.99	5	70	3	< 10
1930	S-454	17° 7.18'S	30° 8.49'E	10	7	< 0.1	38	38	2.28	3	18	3	< 10
1931	S-455	17° 6.90'S	30° 8.50'E	13	2	< 0.1	9	36	2.08	< 1	62	2	< 10
1932	S-456	17° 6.91'S	30° 8.76'E	7	68	< 0.1	29	35	2.11	2	59	2	< 10
1933	S-457	17° 6.90'S	30° 9.05'E	9	152	< 0.1	19	25	1.39	2	35	< 2	< 10
1934	S-458	17° 6.92'S	30° 9.33'E	104	4	0.2	9	31	1.24	2	63	< 2	< 10
1935	S-459	17° 6.91'S	30° 9.61'E	9	5	0.1	11	20	1.24	< 1	68	2	< 10
1936	S-460	17° 6.90'S	30° 9.87'E	23	4	0.1	16	24	1.77	3	24	< 2	< 10
1937	S-461	17° 6.92'S	30° 10.17'E	24	4	0.3	25	36	1.98	3	27	< 2	< 10
1938	S-462	17° 6.91'S	30° 10.46'E	158	3	0.6	15	35	1.68	2	27	< 2	< 10
1939	S-463	17° 6.91'S	30° 10.74'E	83	3	0.2	38	71	2.41	8	70	2	< 10
1940	S-464	17° 6.91'S	30° 11.02'E	14	< 1	< 0.1	20	13	0.77	3	18	< 2	< 10
1941	S-465	17° 6.90'S	30° 11.28'E	70	2	0.1	35	54	2.15	6	62	2	< 10
1942	S-466	17° 6.96'S	30° 11.62'E	71	1	0.2	37	62	2.83	6	59	2	< 10
1943	S-467	17° 6.96'S	30° 11.76'E	58	1	< 0.1	22	39	2.26	11	35	2	< 10
1944	S-468	17° 7.03'S	30° 11.61'E	89	68	< 0.1	53	79	3.88	11	63	2	< 10
1945	S-469	17° 7.20'S	30° 11.55'E	49	2	< 0.1	36	160	2.63	9	68	24	10
1946	S-470	17° 7.19'S	30° 11.30'E	45	3	< 0.1	31	41	1.98	8	50	4	10
1947	S-471	17° 7.19'S	30° 11.03'E	40	2	< 0.1	21	57	2.09	7	44	43	10
1948	S-472	17° 7.15'S	30° 10.78'E	89	4	< 0.1	29	42	1.98	6	46	4	< 10
1949	S-473	17° 7.20'S	30° 10.46'E	13	8	< 0.1	20	26	1.58	9	29	2	< 10
1950	S-474	17° 7.19'S	30° 10.18'E	45	5	< 0.1	32	63	2.31	4	37	< 2	< 10
1951	S-475	17° 7.18'S	30° 9.88'E	7	1	< 0.1	12	21	1.24	8	10	< 2	< 10
1952	S-476	17° 7.18'S	30° 9.63'E	22	6	< 0.1	37	42	2.42	5	26	< 2	< 10
1953	Y-512	17° 5.29'S	30° 4.27'E	123	2	< 0.1	31	1430	5.05	27	89	2	< 10
1954	Y-513	17° 5.29'S	30° 3.96'E	75	2	< 0.1	48	822	4.76	20	91	4	< 10
1955	Y-515	17° 5.28'S	30° 3.42'E	69	1	< 0.1	29	683	5.60	28	71	3	< 10
1956	Y-528	17° 5.56'S	30° 3.98'E	48	< 1	< 0.1	30	2147	4.00	20	84	< 2	< 10
1957	Y-529	17° 4.20'S	30° 7.63'E	28	< 1	< 0.1	20	59	2.09	10	38	2	< 10
1958	Y-530	17° 4.46'S	30° 7.65'E	66	3	< 0.1	34	119	4.61	17	53	5	< 10
1959	Y-531	17° 4.47'S	30° 7.37'E	54	1	0.1	26	1238	4.02	23	40	2	< 10
1960	Y-532	17° 4.47'S	30° 7.08'E	27	< 1	< 0.1	31	1396	2.22	5	37	< 2	< 10
1961	Y-533	17° 4.47'S	30° 6.81'E	62	1	0.1	28	154	5.38	20	54	6	< 10
1962	Y-534	17° 4.47'S	30° 6.51'E	72	2	0.2	24	146	6.62	19	93	2	< 10
1963	Y-535	17° 4.20'S	30° 6.52'E	49	< 1	0.4	28	97	5.32	22	61	2	< 10
1964	Y-536	17° 4.20'S	30° 6.78'E	69	< 1	0.1	28	118	5.83	25	81	2	< 10
1965	Y-537	17° 4.20'S	30° 7.07'E	33	< 1	0.1	18	798	2.01	8	57	< 2	< 10
1966	Y-538	17° 4.20'S	30° 7.35'E	72	< 1	0.3	33	159	6.34	24	67	< 2	< 10
1967	Y-539	17° 5.56'S	30° 4.27'E	81	< 1	0.1	30	190	7.29	21	107	< 2	< 10
1968	Y-540	17° 5.57'S	30° 4.56'E	62	< 1	0.2	36	181	6.98	16	64	< 2	< 10
1969	Y-541	17° 5.56'S	30° 4.82'E	68	< 1	0.2	18	84	4.58	22	51	< 2	< 10
1970	Y-542	17° 5.56'S	30° 5.11'E	71	< 1	0.1	45	913	6.19	15	83	2	< 10
1971	Y-543	17° 5.29'S	30° 5.10'E	73	< 1	< 0.1	25	164	6.85	14	53	4	< 10
1972	Y-544	17° 5.29'S	30° 4.83'E	82	< 1	0.1	41	152	7.01	20	51	2	< 10
1973	Y-545	17° 5.01'S	30° 4.83'E	54	< 1	0.1	26	77	3.68	20	123	6	< 10
1974	Y-546	17° 4.74'S	30° 4.82'E	91	< 1	< 0.1	35	252	7.70	22	46	2	< 10
1975	Y-547	17° 4.74'S	30° 4.54'E	79	< 1	0.1	36	218	6.89	17	62	3	10
1976	Y-548	17° 5.01'S	30° 4.54'E	88	2	0.2	28	753	5.52	18	70	4	< 10
1977	M-44	17° 4.21'S	30° 8.24'E	51	2	< 0.1	25	81	3.31	10	30	5	< 10
1978	M-45	17° 4.21'S	30° 8.50'E	49	3	< 0.1	48	1099	3.60	7	25	4	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
1979	M-46	17° 4.19'S	30° 8.77'E	46	< 1	< 0.1	15	226	4.35	12	37	30	10
1980	M-47	17° 4.25'S	30° 9.07'E	48	< 1	< 0.1	34	85	3.91	11	16	< 2	< 10
1981	M-48	17° 4.20'S	30° 9.36'E	30	< 1	< 0.1	11	43	2.62	7	26	< 2	< 10
1982	M-49	17° 4.19'S	30° 9.59'E	43	< 1	< 0.1	22	26	1.59	5	24	< 2	< 10
1983	M-50	17° 4.20'S	30° 9.93'E	16	< 1	< 0.1	< 2	8	0.74	3	19	< 2	< 10
1984	M-51	17° 4.49'S	30° 9.90'E	16	< 1	< 0.1	< 2	11	0.66	3	19	< 2	< 10
1985	M-52	17° 4.46'S	30° 9.62'E	17	< 1	< 0.1	< 2	11	0.88	2	21	< 2	< 10
1986	M-53	17° 4.47'S	30° 9.34'E	23	< 1	< 0.1	< 2	5	0.66	< 1	14	< 2	< 10
1987	M-54	17° 4.44'S	30° 9.07'E	10	1	0.2	17	40	1.92	10	58	< 2	< 10
1988	M-55	17° 4.47'S	30° 8.76'E	37	< 1	0.2	29	142	4.87	9	53	< 2	< 10
1989	M-56	17° 4.45'S	30° 8.48'E	27	< 1	0.1	21	276	4.49	18	31	26	10
1990	M-57	17° 4.47'S	30° 8.21'E	22	1	0.1	24	60	2.00	5	64	2	10
1991	N-94	17° 3.91'S	30° 7.63'E	12	< 1	< 0.1	14	44	1.76	6	29	3	< 10
1992	N-95	17° 3.95'S	30° 7.36'E	29	< 1	< 0.1	12	75	4.08	11	43	2	< 10
1993	N-96	17° 3.91'S	30° 7.10'E	45	< 1	0.1	20	106	6.41	11	40	2	< 10
1994	N-100	17° 3.94'S	30° 5.99'E	12	< 1	< 0.1	8	522	2.75	10	54	53	< 10
1995	N-101	17° 3.64'S	30° 5.96'E	8	4	< 0.1	5	30	1.63	4	30	40	< 10
1996	N-104	17° 3.67'S	30° 6.80'E	33	< 1	< 0.1	15	97	5.65	13	50	3	< 10
1997	N-105	17° 3.64'S	30° 7.09'E	50	< 1	< 0.1	25	104	5.86	15	54	3	< 10
1998	N-107	17° 3.65'S	30° 7.53'E	33	< 1	< 0.1	21	62	3.55	12	57	6	< 10
1999	N-108	17° 3.91'S	30° 7.91'E	36	< 1	< 0.1	17	92	6.05	19	52	3	< 10
2000	N-109	17° 3.70'S	30° 7.90'E	27	< 1	< 0.1	14	49	2.10	8	46	3	< 10
2001	I-543	16° 51.99'S	30° 11.02'E	26	< 1	< 0.1	49	186	1.36	3	56	30	< 10
2002	I-544	16° 51.71'S	30° 11.02'E	103	< 1	0.3	68	43	2.24	9	68	2	< 10
2003	I-545	16° 51.45'S	30° 11.02'E	23	< 1	< 0.1	50	27	1.14	6	29	38	< 10
2004	I-546	16° 51.18'S	30° 11.02'E	26	< 1	0.1	57	30	1.36	4	74	< 2	< 10
2005	I-575	16° 50.89'S	30° 11.01'E	6	6	< 0.1	18	25	0.83	3	43	< 2	< 10
2006	I-576	16° 50.63'S	30° 11.02'E	6	3	< 0.1	31	19	0.57	2	24	< 2	< 10
2007	I-577	16° 50.36'S	30° 11.03'E	11	2	< 0.1	22	22	1.26	3	64	< 2	< 10
2008	I-578	16° 50.09'S	30° 11.02'E	12	6	< 0.1	30	23	1.07	3	24	< 2	< 10
2009	I-579	16° 49.83'S	30° 11.02'E	9	2	< 0.1	27	27	1.08	2	41	< 2	< 10
2010	I-580	16° 49.55'S	30° 11.02'E	19	5	< 0.1	35	37	1.40	6	77	< 2	< 10
2011	I-581	16° 49.28'S	30° 11.02'E	12	< 1	0.2	22	34	1.17	4	13	< 2	< 10
2012	I-582	16° 49.00'S	30° 11.02'E	13	< 1	< 0.1	30	22	2.67	4	26	< 2	< 10
2013	I-583	16° 49.00'S	30° 10.74'E	30	< 1	< 0.1	45	51	2.85	6	18	< 2	< 10
2014	I-584	16° 49.28'S	30° 10.74'E	26	< 1	0.1	27	51	2.21	10	37	< 2	< 10
2015	I-585	16° 49.55'S	30° 10.74'E	27	< 1	< 0.1	30	41	4.51	13	35	< 2	< 10
2016	I-586	16° 49.82'S	30° 10.74'E	19	< 1	< 0.1	28	36	2.69	8	48	< 2	< 10
2017	I-587	16° 50.09'S	30° 10.73'E	17	< 1	< 0.1	19	310	1.80	13	49	25	< 10
2018	I-588	16° 50.36'S	30° 10.74'E	23	2	< 0.1	24	49	2.84	10	37	2	< 10
2019	I-589	16° 50.63'S	30° 10.74'E	16	< 1	< 0.1	34	39	3.20	6	52	< 2	< 10
2020	I-590	16° 50.90'S	30° 10.74'E	17	< 1	< 0.1	33	37	1.84	9	92	< 2	< 10
2021	I-591	16° 51.18'S	30° 10.74'E	18	< 1	< 0.1	29	47	2.51	7	44	< 2	< 10
2022	I-592	16° 51.45'S	30° 10.74'E	11	< 1	0.2	26	31	2.17	7	35	< 2	< 10
2023	I-593	16° 51.73'S	30° 10.74'E	150	< 1	0.3	24	132	5.26	10	50	34	< 10
2024	I-594	16° 51.98'S	30° 10.75'E	8	< 1	< 0.1	16	17	1.31	4	24	< 2	< 10
2025	N-97	17° 3.93'S	30° 6.77'E	28	< 1	0.1	15	766	4.35	10	40	2	< 10
2026	N-98	17° 3.90'S	30° 6.52'E	30	< 1	0.2	16	469	3.28	7	51	2	< 10
2027	N-99	17° 3.94'S	30° 6.22'E	48	< 1	< 0.1	17	97	5.40	18	43	3	< 10
2028	N-102	17° 3.65'S	30° 6.25'E	13	3	0.1	11	66	2.79	8	71	5	< 10
2029	N-103	17° 3.64'S	30° 6.50'E	28	< 1	< 0.1	11	227	3.23	11	35	3	< 10
2030	N-106	17° 3.65'S	30° 7.36'E	21	< 1	< 0.1	12	140	3.14	8	37	62	< 10
2031	N-110	17° 3.93'S	30° 8.21'E	42	2	< 0.1	20	62	2.89	9	53	4	< 10
2032	N-111	17° 3.92'S	30° 8.47'E	37	1	0.1	19	42	2.62	9	68	3	< 10
2033	N-115	17° 3.95'S	30° 9.63'E	16	< 1	0.4	3	14	0.88	3	24	27	20
2034	N-116	17° 3.90'S	30° 9.90'E	4	< 1	< 0.1	< 2	36	0.64	2	44	8	< 10
2035	N-117	17° 4.21'S	30° 9.91'E	9	< 1	0.3	< 2	10	1.23	< 1	25	3	10
2036	N-118	17° 4.46'S	30° 9.89'E	5	< 1	< 0.1	5	6	1.00	3	24	2	< 10
2037	N-119	17° 3.64'S	30° 9.90'E	22	< 1	< 0.1	7	15	0.59	3	43	2	< 10
2038	N-120	17° 3.65'S	30° 9.62'E	23	< 1	< 0.1	11	18	2.37	5	25	2	< 10
2039	N-121	17° 3.62'S	30° 9.35'E	68	3	0.3	33	178	5.72	6	63	4	< 10
2040	N-122	17° 3.63'S	30° 9.06'E	75	4	< 0.1	18	75	5.01	6	64	5	< 10
2041	N-123	17° 3.65'S	30° 8.76'E	60	3	< 0.1	16	37	3.36	7	41	4	< 10
2042	N-124	17° 3.66'S	30° 8.50'E	37	4	0.1	2	19	2.27	11	34	3	< 10
2043	N-125	17° 3.67'S	30° 8.22'E	63	3	< 0.1	17	68	4.90	11	29	3	< 10
2044	N-126	17° 4.18'S	30° 4.51'E	29	4	< 0.1	14	52	4.07	5	44	3	< 10
2045	N-127	17° 4.20'S	30° 4.80'E	15	1	< 0.1	11	39	3.14	8	32	3	< 10
2046	N-129	17° 4.20'S	30° 5.39'E	33	2	0.1	21	60	4.36	11	78	3	10
2047	Y-549	16° 48.99'S	30° 7.36'E	82	< 1	0.1	29	121	4.53	12	177	16	< 10
2048	Y-550	16° 49.00'S	30° 7.64'E	66	2	0.6	22	63	3.22	16	66	13	< 10
2049	Y-551	16° 49.00'S	30° 7.93'E	52	1	< 0.1	19	37	2.10	6	80	9	< 10
2050	Y-552	16° 49.00'S	30° 8.19'E	30	6	< 0.1	24	56	2.27	6	71	2	< 10
2051	Y-553	16° 49.28'S	30° 8.21'E	23	< 1	< 0.1	< 2	32	2.45	9	45	< 2	< 10
2052	Y-554	16° 49.28'S	30° 7.93'E	167	12	< 0.1	10	134	2.77	18	88	18	< 10
2053	Y-555	16° 49.55'S	30° 7.96'E	98	2	< 0.1	15	43	3.12	12	36	13	< 10
2054	Y-556	16° 49.55'S	30° 8.19'E	45	< 1	< 0.1	18	101	1.65	4	29	8	< 10
2055	Y-557	16° 49.83'S	30° 8.19'E	120	7	0.6	34	108	6.62	21	66	6	< 10
2056	Y-558	16° 50.09'S	30° 8.19'E	41	2	< 0.1	32	73	3.25	13	55	4	< 10
2057	Y-559	16° 50.36'S	30° 8.21'E	41	5	< 0.1	8	56	3.28	13	57	17	< 10
2058	Y-560	16° 50.36'S	30° 8.50'E	41	3	< 0.1	16	47	2.77	12	50	2	< 10
2059	Y-561	16° 50.09'S	30° 8.49'E	75	2	0.1	8	30	2.02	6	53	< 2	< 10
2060	Y-562	16° 49.28'S	30° 8.49'E	76	2	0.1	8	23	1.71	7	63	< 2	< 10
2061	Y-563	16° 49.55'S	30° 8.47'E	34	4	< 0.1	16	35	2.37	10	51	< 2	< 10
2062	Y-564	16° 49.28'S	30° 8.49'E	27	2	< 0.1	12	35	2.71	13	39	< 2	< 10
2063	Y-565	16° 49.00'S	30° 8.48'E	25	8	0.1	3	521	3.49	17	72	66	< 10
2064	Y-566	16° 49.01'S	30° 8.77'E	30	9	0.2	11	48	2.79	12	62	3	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
2065	Y-567	16° 48.99' S	30° 9.04' E	174	7	0.3	13	80	4.40	21	114	3	< 10
2066	Y-568	16° 49.28' S	30° 9.04' E	46	4	< 0.1	13	41	2.93	12	79	2	< 10
2067	Y-569	16° 49.28' S	30° 8.77' E	48	4	0.3	15	51	2.59	13	58	< 2	< 10
2068	S-477	16° 48.72' S	30° 9.32' E	35	4	0.2	19	52	3.76	5	55	< 2	< 10
2069	S-478	16° 48.72' S	30° 9.06' E	61	5	0.3	32	69	3.93	6	91	2	< 10
2070	S-480	16° 48.73' S	30° 8.49' E	87	59	0.8	30	65	5.15	10	161	2	< 10
2071	S-481	16° 48.71' S	30° 8.23' E	100	10	0.5	31	60	4.29	9	73	2	< 10
2072	S-483	16° 48.76' S	30° 7.64' E	143	5	< 0.1	13	42	5.16	12	46	12	< 10
2073	S-484	16° 48.49' S	30° 7.52' E	88	13	0.1	13	53	5.88	14	38	19	< 10
2074	S-485	16° 48.17' S	30° 7.67' E	11	< 1	< 0.1	12	12	1.83	3	55	2	< 10
2075	S-486	16° 47.92' S	30° 7.65' E	96	7	< 0.1	29	77	5.82	11	86	2	< 10
2076	S-487	16° 47.65' S	30° 7.64' E	52	3	0.4	33	33	3.70	7	37	2	< 10
2077	S-488	16° 47.39' S	30° 7.63' E	141	9	< 0.1	42	64	5.77	11	89	3	< 10
2078	S-489	16° 47.38' S	30° 7.91' E	18	3	< 0.1	11	28	3.66	5	58	2	< 10
2079	S-490	16° 47.62' S	30° 8.07' E	82	8	0.2	23	42	3.68	10	36	< 2	< 10
2080	S-491	16° 47.92' S	30° 7.92' E	15	38	< 0.1	15	91	2.09	2	21	10	< 10
2081	S-492	16° 48.20' S	30° 7.92' E	74	3	< 0.1	10	41	4.48	6	71	2	< 10
2082	S-493	16° 48.46' S	30° 7.93' E	15	6	< 0.1	< 2	35	4.52	10	64	3	< 10
2083	S-495	16° 48.46' S	30° 8.50' E	29	2	< 0.1	8	46	2.93	5	74	< 2	< 10
2084	S-496	16° 48.45' S	30° 8.75' E	28	4	0.3	13	45	3.58	11	63	< 2	< 10
2085	S-497	16° 48.48' S	30° 9.06' E	45	3	0.1	< 2	41	3.33	11	105	< 2	< 10
2086	S-498	16° 48.45' S	30° 9.32' E	32	3	< 0.1	8	36	3.16	< 1	51	21	< 10
2087	M- 58	16° 46.84' S	30° 8.77' E	73	1	< 0.1	23	35	1.21	11	30	9	< 10
2088	M- 59	16° 46.83' S	30° 8.42' E	14	4	0.2	22	76	2.71	12	28	< 2	< 10
2089	M- 60	16° 46.84' S	30° 8.18' E	127	4	< 0.1	34	158	5.65	15	44	2	< 10
2090	M- 61	16° 46.85' S	30° 7.90' E	90	4	0.2	23	120	4.59	18	62	2	< 10
2091	M- 62	16° 47.13' S	30° 7.97' E	136	6	0.3	21	169	6.80	13	41	< 2	< 10
2092	M- 63	16° 47.11' S	30° 8.36' E	37	2	0.1	16	47	1.86	8	34	< 2	< 10
2093	M- 64	16° 47.13' S	30° 8.62' E	29	1	0.3	29	85	2.97	10	28	< 2	< 10
2094	M- 65	16° 47.14' S	30° 8.75' E	42	< 1	0.1	16	22	0.97	8	25	< 2	< 10
2095	M- 66	16° 47.09' S	30° 9.08' E	12	5	< 0.1	24	175	3.62	16	75	23	< 10
2096	M- 67	16° 47.11' S	30° 9.37' E	27	1	0.1	74	56	2.59	11	92	< 2	< 10
2097	M- 68	16° 47.09' S	30° 9.61' E	34	2	0.3	28	108	2.34	7	33	59	< 10
2098	M- 69	16° 47.14' S	30° 9.90' E	24	7	0.2	28	75	2.85	9	43	2	< 10
2099	M- 70	16° 47.10' S	30° 10.15' E	3	< 1	< 0.1	23	55	1.87	7	28	2	< 10
2100	M- 71	16° 46.84' S	30° 10.17' E	20	1	0.2	41	95	2.24	5	35	< 2	< 10
2101	M- 72	16° 46.83' S	30° 9.90' E	38	5	< 0.1	30	127	3.21	12	54	< 2	< 10
2102	M- 73	16° 46.83' S	30° 9.60' E	33	1	0.1	25	45	1.54	7	29	< 2	< 10
2103	M- 74	16° 46.83' S	30° 9.33' E	94	< 1	< 0.1	22	24	0.92	5	23	< 2	< 10
2104	M- 75	16° 46.82' S	30° 9.06' E	70	3	< 0.1	30	55	2.24	14	39	< 2	< 10
2105	I-595	16° 51.72' S	30° 11.30' E	20	< 1	< 0.1	18	26	2.00	8	46	< 2	< 10
2106	I-596	16° 51.45' S	30° 11.30' E	47	< 1	0.2	24	64	3.26	14	194	< 2	< 10
2107	I-597	16° 51.19' S	30° 11.30' E	10	< 1	< 0.1	22	21	1.09	4	23	< 2	< 10
2108	I-598	16° 50.90' S	30° 11.30' E	9	< 1	< 0.1	13	55	2.21	9	59	< 2	< 10
2109	I-599	16° 50.63' S	30° 11.30' E	18	< 1	< 0.1	21	59	2.88	14	48	< 2	< 10
2110	I-600	16° 50.36' S	30° 11.30' E	62	< 1	0.2	28	61	2.29	11	61	< 2	< 10
2111	I-601	16° 50.09' S	30° 11.30' E	45	< 1	< 0.1	25	79	1.35	6	44	44	20
2112	I-602	16° 49.82' S	30° 11.31' E	5	< 1	< 0.1	8	5	0.83	3	56	47	10
2113	I-603	16° 49.55' S	30° 11.30' E	5	< 1	0.3	19	275	1.13	5	17	36	10
2114	I-604	16° 49.28' S	30° 11.29' E	9	< 1	< 0.1	19	30	2.22	7	71	< 2	< 10
2115	I-605	16° 49.00' S	30° 11.30' E	16	< 1	0.1	32	30	1.74	4	76	< 2	< 10
2116	I-606	16° 49.00' S	30° 11.58' E	12	< 1	< 0.1	2	6	2.06	4	72	< 2	< 10
2117	I-607	16° 49.27' S	30° 11.59' E	6	< 1	< 0.1	< 2	18	2.88	8	46	< 2	< 10
2118	I-608	16° 49.55' S	30° 11.59' E	20	< 1	< 0.1	12	47	2.61	8	35	< 2	< 10
2119	I-609	16° 49.82' S	30° 11.58' E	7	< 1	< 0.1	8	31	2.57	6	48	< 2	< 10
2120	I-610	16° 50.08' S	30° 11.60' E	6	< 1	< 0.1	12	40	2.00	4	18	< 2	< 10
2121	I-611	16° 50.38' S	30° 11.58' E	3	< 1	0.1	13	3	1.49	1	31	< 2	< 10
2122	I-612	16° 50.63' S	30° 11.59' E	13	< 1	0.3	41	24	3.11	6	40	< 2	< 10
2123	I-613	16° 50.90' S	30° 11.61' E	4	< 1	0.1	19	6	1.57	4	23	< 2	< 10
2124	I-614	16° 51.18' S	30° 11.59' E	10	< 1	0.3	38	11	1.26	3	82	< 2	< 10
2125	I-615	16° 51.45' S	30° 11.59' E	7	< 1	0.3	28	45	2.10	5	29	< 2	< 10
2126	I-616	16° 51.72' S	30° 11.60' E	2	< 1	< 0.1	24	11	0.93	2	47	< 2	< 10
2127	I-617	16° 51.99' S	30° 11.60' E	11	< 1	0.2	24	17	1.77	3	37	< 2	< 10
2128	I-618	16° 51.99' S	30° 11.29' E	11	< 1	< 0.1	24	22	0.93	5	36	< 2	< 10
2129	N-112	17° 3.92' S	30° 8.70' E	53	2	< 0.1	39	1706	2.87	11	52	3	< 10
2130	N-113	17° 3.91' S	30° 9.03' E	65	3	0.2	43	1953	3.85	7	61	3	< 10
2131	N-114	17° 3.92' S	30° 9.31' E	45	< 1	0.2	8	2138	3.96	7	85	57	30
2132	N-128	17° 4.18' S	30° 5.12' E	35	1	< 0.1	18	2091	4.18	9	59	3	< 10
2133	Y-570	16° 49.00' S	30° 9.62' E	33	4	< 0.1	20	68	2.81	15	94	3	< 10
2134	Y-571	16° 49.00' S	30° 9.34' E	27	3	0.4	12	33	2.22	8	46	2	< 10
2135	Y-572	16° 49.27' S	30° 9.33' E	33	7	0.1	11	45	2.18	17	64	17	< 10
2136	Y-573	16° 49.55' S	30° 9.33' E	58	7	0.2	21	60	3.05	10	74	2	< 10
2137	Y-574	16° 49.56' S	30° 9.06' E	66	4	0.2	16	45	2.85	12	53	< 2	< 10
2138	Y-575	16° 49.55' S	30° 8.77' E	35	10	0.1	12	80	3.95	22	87	2	< 10
2139	Y-576	16° 49.82' S	30° 8.76' E	19	6	< 0.1	6	48	3.26	13	90	< 2	< 10
2140	Y-577	16° 50.09' S	30° 8.76' E	12	3	< 0.1	13	63	3.43	15	90	< 2	< 10
2141	Y-578	16° 50.36' S	30° 8.76' E	89	3	< 0.1	12	47	3.69	13	59	< 2	< 10
2142	Y-579	16° 50.36' S	30° 9.05' E	13	< 1	< 0.1	15	19	1.31	6	15	< 2	< 10
2143	Y-580	16° 50.09' S	30° 9.05' E	18	5	< 0.1	15	58	3.51	14	88	< 2	< 10
2144	Y-581	16° 49.82' S	30° 9.06' E	17	16	0.2	12	48	3.52	16	99	2	< 10
2145	Y-582	16° 49.82' S	30° 9.33' E	153	5	0.3	14	70	3.44	17	145	2	< 10
2146	Y-583	16° 50.10' S	30° 9.33' E	13	< 1	0.6	21	38	1.58	6	51	< 2	< 10
2147	Y-584	16° 50.37' S	30° 9.33' E	37	7	< 0.1	7	46	2.55	7	62	2	< 10
2148	Y-585	16° 50.36' S	30° 9.60' E	80	6	0.1	23	101	4.75	20	73	4	< 10
2149	Y-586	16° 50.09' S	30° 9.62' E	40	< 1	0.1	20	52	1.90	9	31	< 2	< 10
2150	Y-587	16° 49.82' S	30° 9.62' E	170	8	0.4	32	625	3.40	15	70	72	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
2151	Y-588	16°49.55'S	30°9.61'E	105	5	0.2	22	113	4.40	18	94	37	< 10
2152	Y-589	16°49.29'S	30°9.62'E	47	8	0.3	9	83	3.29	15	80	5	< 10
2153	Y-590	16°49.28'S	30°9.88'E	31	5	< 0.1	31	85	2.66	11	72	3	< 10
2154	Y-591	16°49.28'S	30°10.07'E	20	< 1	0.2	14	66	2.41	12	48	3	< 10
2155	Y-592	16°49.00'S	30°10.04'E	9	3	< 0.1	9	81	3.00	12	85	3	< 10
2156	Y-593	16°49.01'S	30°9.89'E	50	5	0.1	8	84	2.95	18	107	70	< 10
2157	S-479	16°48.73'S	30°8.75'E	87	9	0.7	43	1280	4.47	10	87	3	10
2158	S-482	16°48.73'S	30°7.93'E	41	10	0.3	27	1362	3.32	6	83	27	10
2159	S-494	16°48.46'S	30°8.21'E	44	4	< 0.1	13	1814	2.67	10	112	< 2	< 10
2160	S-499	16°48.45'S	30°9.60'E	19	2	< 0.1	2	30	2.25	3	38	< 2	< 10
2161	S-500	16°48.73'S	30°9.62'E	20	< 1	< 0.1	6	18	1.15	2	56	< 2	< 10
2162	S-501	16°48.73'S	30°9.88'E	18	2	0.1	12	29	1.59	6	22	< 2	< 10
2163	S-502	16°48.44'S	30°9.88'E	26	2	0.4	20	28	1.67	2	22	< 2	< 10
2164	S-503	16°48.20'S	30°9.90'E	25	6	0.2	13	50	2.96	6	48	4	< 10
2165	S-504	16°48.19'S	30°9.60'E	17	5	< 0.1	18	43	2.94	2	48	2	< 10
2166	S-505	16°48.19'S	30°9.35'E	28	4	< 0.1	14	39	2.99	6	57	< 2	< 10
2167	S-506	16°48.19'S	30°9.05'E	14	< 1	< 0.1	< 2	20	2.56	5	53	< 2	10
2168	S-507	16°48.19'S	30°8.77'E	18	< 1	< 0.1	7	28	3.00	8	54	< 2	10
2169	S-508	16°48.19'S	30°8.49'E	15	2	< 0.1	12	36	3.25	6	77	2	< 10
2170	S-509	16°48.19'S	30°8.19'E	13	< 1	< 0.1	9	27	2.85	13	48	2	10
2171	S-510	16°47.92'S	30°8.20'E	8	< 1	< 0.1	2	17	2.24	< 1	47	< 2	< 10
2172	S-511	16°47.67'S	30°8.25'E	46	6	< 0.1	11	77	5.33	14	104	2	< 10
2173	S-512	16°47.38'S	30°8.21'E	18	3	< 0.1	15	37	3.44	11	46	< 2	< 10
2174	S-513	16°47.38'S	30°8.48'E	24	1	0.2	12	244	3.67	6	85	24	10
2175	S-514	16°47.64'S	30°8.49'E	6	< 1	< 0.1	< 2	7	1.39	3	36	5	10
2176	S-515	16°47.92'S	30°8.47'E	139	4	0.1	19	78	5.36	14	79	3	10
2177	S-516	16°47.92'S	30°8.78'E	84	4	< 0.1	16	54	3.97	5	79	< 2	< 10
2178	S-517	16°47.65'S	30°8.78'E	11	2	< 0.1	8	37	3.47	5	135	2	< 10
2179	S-518	16°47.38'S	30°8.76'E	33	1	0.3	28	106	5.46	13	162	3	< 10
2180	S-519	16°47.38'S	30°9.05'E	27	2	< 0.1	11	30	2.59	7	115	28	< 10
2181	S-520	16°47.65'S	30°9.03'E	50	2	< 0.1	15	40	2.82	6	49	2	10
2182	S-521	16°47.91'S	30°9.06'E	44	4	< 0.1	16	53	5.06	10	103	< 2	< 10
2183	S-522	16°47.92'S	30°9.34'E	26	3	< 0.1	14	87	3.24	5	148	< 2	< 10
2184	N-130	16°47.64'S	30°11.87'E	11	< 1	< 0.1	15	206	2.12	5	37	30	< 10
2185	N-131	16°47.64'S	30°11.60'E	10	< 1	0.3	18	20	1.65	3	19	4	< 10
2186	N-132	16°47.65'S	30°11.31'E	16	< 1	< 0.1	21	32	2.07	5	33	2	< 10
2187	N-133	16°47.68'S	30°11.04'E	21	< 1	< 0.1	14	52	2.46	5	40	2	< 10
2188	N-134	16°47.69'S	30°10.77'E	13	< 1	0.8	23	32	1.84	2	18	2	< 10
2189	N-135	16°47.66'S	30°10.60'E	38	< 1	< 0.1	44	138	3.92	8	18	< 2	< 10
2190	N-136	16°47.39'S	30°10.47'E	37	< 1	< 0.1	22	132	1.77	1	10	2	< 10
2191	N-137	16°47.40'S	30°10.71'E	58	< 1	< 0.1	32	66	3.46	8	37	21	< 10
2192	N-138	16°47.36'S	30°11.00'E	70	< 1	0.5	17	74	4.60	6	28	2	< 10
2193	N-139	16°47.40'S	30°11.30'E	63	< 1	< 0.1	40	83	5.21	4	39	2	< 10
2194	N-140	16°47.36'S	30°11.58'E	26	< 1	< 0.1	20	43	2.60	4	63	2	< 10
2195	N-141	16°47.36'S	30°11.86'E	16	< 1	< 0.1	25	45	2.35	1	21	2	< 10
2196	N-142	16°47.38'S	30°12.13'E	9	< 1	< 0.1	11	34	1.70	2	15	2	< 10
2197	N-143	16°47.64'S	30°12.17'E	21	< 1	0.9	25	64	3.01	4	25	2	< 10
2198	N-144	16°47.66'S	30°12.41'E	31	< 1	0.2	24	55	2.64	7	34	2	< 10
2199	M-76	16°46.84'S	30°8.75'E	6	< 1	0.2	38	55	1.50	11	21	< 2	< 10
2200	M-77	16°47.12'S	30°11.88'E	16	< 1	< 0.1	47	63	2.12	21	37	< 2	< 10
2201	M-78	16°47.12'S	30°11.59'E	35	< 1	< 0.1	36	54	1.71	18	24	< 2	< 10
2202	M-79	16°47.10'S	30°11.29'E	24	1	< 0.1	28	1059	1.93	13	48	58	10
2203	M-80	16°47.10'S	30°11.02'E	61	1	< 0.1	47	148	4.37	29	72	< 2	< 10
2204	M-82	16°47.10'S	30°10.47'E	63	4	< 0.1	38	123	3.00	21	40	< 2	< 10
2205	M-83	16°46.82'S	30°10.46'E	36	2	0.2	36	90	3.47	12	32	< 2	< 10
2206	M-84	16°46.84'S	30°10.74'E	44	3	< 0.1	37	99	2.90	3	21	< 2	< 10
2207	M-85	16°46.84'S	30°11.03'E	26	< 1	< 0.1	48	84	3.08	12	38	< 2	< 10
2208	M-86	16°46.83'S	30°11.31'E	24	1	< 0.1	47	87	2.76	14	60	< 2	< 10
2209	M-87	16°46.83'S	30°11.53'E	40	1	< 0.1	54	109	3.08	16	49	< 2	< 10
2210	M-88	16°46.83'S	30°11.86'E	3	< 1	< 0.1	25	830	0.79	< 1	13	73	10
2211	M-89	16°46.83'S	30°12.15'E	23	< 1	< 0.1	52	78	2.97	8	29	< 2	10
2212	I-619	16°51.45'S	30°11.88'E	6	< 1	< 0.1	13	18	1.40	4	21	< 2	< 10
2213	I-620	16°51.18'S	30°11.87'E	5	< 1	< 0.1	14	18	1.33	5	62	< 2	< 10
2214	I-621	16°50.89'S	30°11.88'E	3	< 1	< 0.1	14	12	1.07	3	18	< 2	< 10
2215	I-622	16°50.64'S	30°11.87'E	4	< 1	0.1	4	14	1.10	4	21	< 2	< 10
2216	I-623	16°50.37'S	30°11.87'E	28	< 1	0.1	9	324	3.30	13	72	54	< 10
2217	I-624	16°50.08'S	30°11.83'E	26	< 1	0.2	8	56	1.56	13	63	< 2	< 10
2218	I-625	16°49.76'S	30°11.87'E	2	< 1	< 0.1	9	4	1.25	8	200	< 2	< 10
2219	I-626	16°49.55'S	30°11.87'E	6	< 1	0.1	2	20	2.07	4	40	< 2	< 10
2220	I-627	16°49.26'S	30°11.87'E	1	< 1	0.1	4	25	1.95	5	162	< 2	< 10
2221	I-628	16°49.00'S	30°11.87'E	< 1	< 1	< 0.1	28	10	1.01	2	10	< 2	< 10
2222	I-629	16°49.00'S	30°12.15'E	17	< 1	0.1	16	48	2.51	8	15	< 2	< 10
2223	I-630	16°49.27'S	30°12.15'E	3	< 1	0.1	17	15	1.31	4	23	< 2	< 10
2224	I-631	16°49.56'S	30°12.15'E	6	< 1	0.2	34	27	1.28	7	68	< 2	< 10
2225	I-632	16°49.82'S	30°12.15'E	8	< 1	0.1	21	39	1.02	4	44	< 2	< 10
2226	I-633	16°50.10'S	30°12.15'E	5	< 1	0.2	9	142	1.32	6	43	19	< 10
2227	I-634	16°50.36'S	30°12.15'E	14	< 1	0.1	27	28	2.61	8	38	< 2	< 10
2228	I-635	16°50.63'S	30°12.14'E	111	< 1	0.2	32	113	5.10	18	84	< 2	< 10
2229	I-636	16°50.93'S	30°12.12'E	38	< 1	0.2	12	61	3.61	15	72	< 2	10
2230	I-637	16°51.18'S	30°12.15'E	43	< 1	0.1	11	84	4.46	19	45	< 2	< 10
2231	I-638	16°51.45'S	30°12.15'E	11	< 1	0.1	6	7	1.38	6	33	< 2	< 10
2232	I-639	16°51.72'S	30°12.14'E	27	< 1	0.3	35	62	3.26	11	31	< 2	< 10
2233	I-640	16°52.00'S	30°12.15'E	15	< 1	0.2	35	22	2.02	7	97	< 2	< 10
2234	I-641	16°51.99'S	30°11.87'E	7	< 1	0.4	19	17	1.27	5	55	< 2	< 10
2235	I-642	16°51.72'S	30°11.86'E	11	< 1	0.3	47	312	0.97	2	34	41	< 10
2236	S-523	16°47.66'S	30°9.34'E	450	2	< 0.1	17	57	3.97	5	81	< 2	10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
2237	S-524	16°47.39'S	30°9.34'E	52	1	0.2	27	1188	3.10	7	103	< 2	< 10
2238	S-525	16°47.38'S	30°9.60'E	31	2	< 0.1	18	38	3.79	5	40	< 2	< 10
2239	S-526	16°47.38'S	30°9.91'E	14	< 1	< 0.1	12	44	3.42	5	86	< 2	< 10
2240	S-527	16°47.38'S	30°9.17'E	9	3	0.1	38	54	4.28	6	70	51	20
2241	S-528	16°47.65'S	30°10.18'E	47	1	0.2	33	32	2.34	3	124	66	20
2242	S-529	16°47.64'S	30°9.88'E	5	< 1	0.1	39	220	1.49	< 1	68	43	< 10
2243	S-530	16°47.95'S	30°9.87'E	13	< 1	0.1	23	27	3.45	5	77	2	10
2244	S-531	16°47.92'S	30°9.61'E	13	< 1	0.2	32	28	4.10	10	65	2	10
2245	S-532	16°47.64'S	30°9.60'E	19	< 1	0.1	14	16	2.45	3	45	< 2	10
2246	S-533	16°48.74'S	30°10.18'E	17	< 1	0.2	31	28	5.22	13	39	< 2	10
2247	S-534	16°48.45'S	30°10.19'E	46	< 1	0.3	39	40	3.76	7	43	< 2	10
2248	S-535	16°48.19'S	30°10.19'E	44	< 1	0.2	34	32	4.26	2	53	< 2	< 10
2249	S-536	16°47.92'S	30°10.19'E	122	3	0.4	34	36	3.43	3	54	< 2	< 10
2250	S-537	16°47.92'S	30°10.45'E	66	< 1	< 0.1	46	62	4.60	3	26	< 2	10
2251	S-538	16°47.92'S	30°10.75'E	17	< 1	< 0.1	41	38	3.04	1	36	< 2	< 10
2252	S-539	16°48.19'S	30°10.75'E	29	< 1	< 0.1	42	44	4.08	3	31	< 2	10
2253	S-540	16°48.19'S	30°10.46'E	292	14	0.1	51	42	4.13	3	97	< 2	< 10
2254	S-541	16°48.46'S	30°10.48'E	24	< 1	< 0.1	41	27	2.56	1	45	< 2	< 10
2255	S-542	16°48.77'S	30°10.39'E	20	< 1	< 0.1	16	31	1.50	2	37	< 2	< 10
2256	Y-594	16°49.00'S	30°10.47'E	21	< 1	0.2	15	43	2.18	13	43	2	< 10
2257	Y-595	16°49.28'S	30°10.47'E	15	< 1	0.2	21	61	3.09	5	19	2	< 10
2258	Y-596	16°49.55'S	30°10.49'E	9	< 1	0.4	22	41	2.10	4	24	< 2	< 10
2259	Y-597	16°49.82'S	30°10.47'E	19	< 1	< 0.1	19	65	2.63	11	28	2	< 10
2260	Y-598	16°50.09'S	30°10.47'E	13	< 1	0.1	24	46	2.30	8	112	< 2	< 10
2261	Y-599	16°50.36'S	30°10.60'E	31	< 1	< 0.1	25	51	2.32	8	26	< 2	< 10
2262	Y-600	16°50.63'S	30°10.57'E	15	< 1	0.1	35	44	2.12	7	84	< 2	< 10
2263	Y-601	16°50.89'S	30°10.46'E	36	< 1	0.4	13	47	3.39	14	31	14	< 10
2264	Y-602	16°51.18'S	30°10.46'E	21	< 1	< 0.1	20	55	3.11	11	20	39	< 10
2265	Y-603	16°51.45'S	30°10.41'E	44	< 1	< 0.1	31	207	5.14	18	37	19	10
2266	Y-604	16°51.73'S	30°10.32'E	27	< 1	< 0.1	40	110	4.50	16	47	3	< 10
2267	Y-605	16°51.99'S	30°10.42'E	27	< 1	< 0.1	40	88	4.19	14	74	< 2	< 10
2268	Y-606	16°51.99'S	30°10.18'E	37	< 1	< 0.1	30	85	2.53	7	26	2	< 10
2269	Y-607	16°51.72'S	30°10.18'E	15	< 1	< 0.1	37	41	2.27	6	15	< 2	< 10
2270	Y-608	16°51.46'S	30°10.18'E	107	< 1	< 0.1	29	55	3.32	13	34	< 2	< 10
2271	Y-609	16°51.18'S	30°10.19'E	29	< 1	< 0.1	30	36	1.80	10	23	< 2	< 10
2272	Y-610	16°50.90'S	30°10.17'E	18	< 1	< 0.1	30	24	1.20	5	16	< 2	< 10
2273	Y-611	16°50.63'S	30°10.18'E	38	< 1	< 0.1	20	52	3.86	7	20	< 2	< 10
2274	Y-612	16°50.36'S	30°10.18'E	86	< 1	< 0.1	27	89	3.20	20	60	< 2	< 10
2275	Y-613	16°50.09'S	30°10.18'E	34	< 1	< 0.1	36	48	2.19	10	32	2	< 10
2276	Y-614	16°49.83'S	30°10.17'E	25	< 1	< 0.1	23	77	4.03	13	35	4	< 10
2277	Y-615	16°49.55'S	30°10.18'E	19	< 1	< 0.1	20	56	2.87	13	69	2	< 10
2278	Y-616	16°49.55'S	30°9.90'E	19	< 1	< 0.1	22	40	2.39	8	27	< 2	< 10
2279	M-81	16°47.10'S	30°10.75'E	50	1	< 0.1	33	116	3.28	23	25	< 2	< 10
2280	I-643	16°51.20'S	30°12.44'E	17	< 1	0.4	37	39	2.06	7	27	< 2	< 10
2281	I-644	16°50.90'S	30°12.42'E	13	< 1	0.1	26	8	1.22	8	32	< 2	< 10
2282	I-645	16°50.63'S	30°12.43'E	21	27	< 0.1	19	28	1.63	12	93	43	< 10
2283	I-646	16°50.36'S	30°12.43'E	25	< 1	< 0.1	27	28	1.68	12	54	< 2	< 10
2284	I-647	16°50.09'S	30°12.43'E	12	< 1	0.1	10	16	1.38	6	29	< 2	< 10
2285	I-648	16°49.82'S	30°12.44'E	52	< 1	< 0.1	19	31	1.86	10	27	< 2	< 10
2286	I-649	16°49.56'S	30°12.43'E	18	< 1	< 0.1	12	60	3.62	13	62	< 2	< 10
2287	I-650	16°49.28'S	30°12.42'E	27	< 1	0.2	35	43	2.18	8	161	< 2	< 10
2288	I-651	16°49.00'S	30°12.43'E	14	< 1	< 0.1	24	16	1.25	7	92	< 2	< 10
2289	I-652	16°49.00'S	30°12.71'E	5	< 1	< 0.1	35	3	1.16	6	51	< 2	< 10
2290	I-653	16°49.28'S	30°12.72'E	6	< 1	0.1	31	6	0.71	5	93	< 2	< 10
2291	I-654	16°49.55'S	30°12.71'E	7	< 1	< 0.1	43	< 2	0.72	4	50	< 2	< 10
2292	I-655	16°49.82'S	30°12.71'E	7	< 1	< 0.1	27	5	0.85	4	51	< 2	< 10
2293	I-656	16°50.09'S	30°12.70'E	6	< 1	< 0.1	33	760	0.83	4	60	37	< 10
2294	I-657	16°50.35'S	30°12.71'E	28	< 1	< 0.1	39	40	2.52	9	189	< 2	< 10
2295	I-658	16°50.63'S	30°12.71'E	11	< 1	< 0.1	41	10	0.99	4	134	< 2	< 10
2296	I-659	16°50.90'S	30°12.71'E	13	< 1	< 0.1	25	9	1.00	12	449	< 2	< 10
2297	I-660	16°51.18'S	30°12.71'E	16	3	< 0.1	39	12	1.89	7	97	< 2	< 10
2298	I-661	16°51.45'S	30°12.72'E	9	< 1	0.2	26	25	1.41	4	55	< 2	< 10
2299	I-662	16°51.72'S	30°12.72'E	29	< 1	0.1	27	33	1.54	11	139	< 2	< 10
2300	I-663	16°51.99'S	30°12.71'E	30	< 1	< 0.1	28	46	2.32	13	237	< 2	< 10
2301	I-664	16°51.97'S	30°12.42'E	28	< 1	< 0.1	12	26	1.64	9	84	< 2	< 10
2302	I-665	16°51.73'S	30°12.43'E	23	< 1	< 0.1	25	924	2.13	10	46	77	< 10
2303	I-666	16°51.45'S	30°12.44'E	25	< 1	< 0.1	23	27	1.48	8	54	< 2	< 10
2304	N-145	16°49.85'S	30°9.89'E	35	< 1	0.3	12	45	2.95	2	14	2	< 10
2305	N-146	16°50.11'S	30°9.91'E	54	< 1	< 0.1	23	264	3.02	5	33	28	< 10
2306	N-147	16°50.34'S	30°9.90'E	54	< 1	< 0.1	39	59	4.24	5	38	5	< 10
2307	N-148	16°50.60'S	30°9.91'E	39	1	0.1	18	38	2.40	2	20	3	< 10
2308	N-149	16°50.66'S	30°9.62'E	142	8	8.5	30	125	6.44	15	80	9	< 10
2309	N-150	16°50.61'S	30°9.36'E	29	< 1	0.4	27	31	2.03	2	28	3	< 10
2310	N-151	16°50.65'S	30°9.04'E	30	< 1	< 0.1	34	32	2.95	6	33	2	< 10
2311	N-152	16°50.88'S	30°9.07'E	56	1	0.4	25	54	3.35	5	36	2	< 10
2312	N-153	16°50.88'S	30°9.33'E	120	6	0.4	29	76	5.32	9	55	4	< 10
2313	N-154	16°51.18'S	30°9.35'E	127	4	3.5	39	80	4.76	4	48	3	< 10
2314	N-155	16°51.48'S	30°9.35'E	161	< 1	1.4	31	42	2.21	6	82	2	< 10
2315	N-157	16°51.17'S	30°9.62'E	123	3	< 0.1	42	117	5.20	9	55	7	< 10
2316	N-158	16°50.93'S	30°9.59'E	89	4	1.8	37	93	4.48	5	43	66	< 10
2317	N-159	16°50.93'S	30°9.88'E	67	2	0.4	39	86	4.55	10	54	7	< 10
2318	N-160	16°51.20'S	30°9.92'E	55	< 1	1.6	36	29	1.65	2	23	6	< 10
2319	N-161	16°51.44'S	30°9.92'E	45	2	2.4	28	40	2.59	5	58	6	< 10
2320	N-156	16°51.44'S	30°9.59'E	161	3	0.2	57	2667	5.98	12	52	58	< 10
2321	S-543	16°47.92'S	30°12.15'E	4	< 1	< 0.1	24	26	0.99	1	87	< 2	< 10
2322	S-544	16°47.92'S	30°12.43'E	8	< 1	< 0.1	16	353	1.49	< 1	23	55	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
2323	S-545	16°48.19'S	30°12.43'E	16	< 1	< 0.1	33	34	1.76	2	26	< 2	< 10
2324	S-546	16°48.46'S	30°12.42'E	6	< 1	< 0.1	40	27	1.19	< 1	65	< 2	< 10
2325	S-547	16°48.73'S	30°12.71'E	10	< 1	< 0.1	31	40	1.39	< 1	32	< 2	< 10
2326	S-548	16°48.73'S	30°12.44'E	26	< 1	< 0.1	24	96	3.69	11	63	< 2	< 10
2327	S-549	16°48.74'S	30°12.16'E	6	< 1	< 0.1	22	236	1.21	< 1	29	49	< 10
2328	S-550	16°48.74'S	30°11.86'E	8	< 1	< 0.1	22	27	1.23	< 1	41	2	< 10
2329	S-551	16°48.73'S	30°11.60'E	7	< 1	< 0.1	13	21	1.40	< 1	47	< 2	< 10
2330	S-552	16°48.73'S	30°11.30'E	22	< 1	< 0.1	20	65	2.70	9	32	< 2	< 10
2331	S-553	16°48.73'S	30°11.01'E	10	< 1	< 0.1	17	33	1.22	3	26	< 2	< 10
2332	S-554	16°48.73'S	30°10.74'E	20	< 1	< 0.1	19	44	1.59	2	53	< 2	< 10
2333	S-555	16°48.46'S	30°10.74'E	18	< 1	< 0.1	19	50	1.31	< 1	16	< 2	< 10
2334	S-556	16°48.46'S	30°11.01'E	7	< 1	< 0.1	11	17	0.79	< 1	13	< 2	< 10
2335	S-557	16°48.46'S	30°11.30'E	20	< 1	< 0.1	17	77	2.61	4	45	< 2	< 10
2336	S-558	16°48.46'S	30°11.59'E	15	< 1	< 0.1	15	30	1.27	< 1	53	< 2	< 10
2337	S-559	16°48.46'S	30°11.86'E	16	< 1	< 0.1	24	212	1.89	< 1	35	29	< 10
2338	S-560	16°48.46'S	30°12.14'E	23	< 1	< 0.1	22	80	2.76	5	56	2	< 10
2339	S-561	16°48.19'S	30°12.15'E	11	< 1	< 0.1	13	39	1.51	2	54	< 2	< 10
2340	S-562	16°48.20'S	30°11.87'E	27	< 1	< 0.1	3	61	3.10	7	83	< 2	< 10
2341	S-563	16°48.19'S	30°11.59'E	22	< 1	< 0.1	2	67	2.58	5	36	< 2	< 10
2342	S-564	16°48.19'S	30°11.30'E	14	< 1	< 0.1	17	45	2.02	3	83	< 2	< 10
2343	S-565	16°48.19'S	30°11.01'E	51	2	< 0.1	21	83	3.73	11	49	< 2	< 10
2344	S-566	16°47.97'S	30°11.07'E	35	< 1	< 0.1	25	95	2.84	4	36	< 2	< 10
2345	S-567	16°47.94'S	30°11.28'E	27	< 1	< 0.1	14	67	2.38	< 1	30	< 2	< 10
2346	S-568	16°47.92'S	30°11.59'E	14	< 1	< 0.1	11	42	2.18	1	33	< 2	< 10
2347	S-569	16°47.92'S	30°11.87'E	16	< 1	< 0.1	6	224	2.61	10	77	45	< 10
2348	Y-617	16°51.99'S	30°9.90'E	44	< 1	< 0.1	26	43	2.31	9	45	3	< 10
2349	Y-618	16°52.00'S	30°9.61'E	43	< 1	< 0.1	30	143	1.62	9	29	23	< 10
2350	Y-619	16°51.99'S	30°9.34'E	119	4	< 0.1	19	68	5.04	21	75	8	< 10
2351	Y-620	16°51.99'S	30°9.04'E	49	9	< 0.1	23	67	3.56	21	102	3	< 10
2352	Y-621	16°51.99'S	30°8.77'E	25	5	0.3	25	62	3.76	25	86	3	< 10
2353	Y-622	16°51.99'S	30°8.49'E	14	2	< 0.1	15	40	3.14	12	39	< 2	< 10
2354	Y-623	16°51.72'S	30°8.48'E	41	< 1	< 0.1	20	122	3.72	23	59	17	< 10
2355	Y-624	16°51.46'S	30°8.48'E	38	4	< 0.1	13	39	3.56	21	58	3	< 10
2356	Y-625	16°51.18'S	30°8.50'E	16	< 1	< 0.1	10	21	1.62	6	19	< 2	< 10
2357	Y-626	16°50.91'S	30°8.49'E	32	< 1	< 0.1	15	27	2.03	10	26	< 2	< 10
2358	Y-627	16°50.63'S	30°8.49'E	13	< 1	0.3	11	15	1.58	6	23	2	< 10
2359	Y-628	16°50.63'S	30°8.76'E	20	< 1	0.5	33	38	1.38	8	17	< 2	< 10
2360	Y-629	16°50.90'S	30°8.77'E	25	< 1	0.2	14	25	1.99	5	43	< 2	< 10
2361	Y-630	16°51.18'S	30°8.77'E	24	1	< 0.1	11	36	2.74	7	40	2	< 10
2362	Y-631	16°51.18'S	30°9.05'E	24	2	< 0.1	25	35	2.54	14	53	2	< 10
2363	Y-632	16°51.45'S	30°9.04'E	28	3	< 0.1	24	38	2.59	11	43	2	< 10
2364	Y-633	16°51.45'S	30°8.78'E	23	5	< 0.1	18	63	2.81	16	61	7	< 10
2365	Y-634	16°51.72'S	30°8.76'E	26	3	< 0.1	23	49	3.76	20	68	3	< 10
2366	Y-635	16°51.72'S	30°9.05'E	55	7	< 0.1	16	36	2.26	10	63	< 2	< 10
2367	Y-636	16°51.72'S	30°9.33'E	35	< 1	< 0.1	25	24	1.60	8	27	2	< 10
2368	Y-637	16°51.71'S	30°9.60'E	112	2	< 0.1	31	76	3.59	17	54	7	< 10
2369	Y-638	16°51.72'S	30°9.88'E	22	6	< 0.1	37	48	2.68	13	88	15	< 10
2370	S-570	16°40.32'S	30°8.48'E	203	2	< 0.1	11	179	7.47	15	109	< 2	< 10
2371	S-571	16°40.32'S	30°8.76'E	24	< 1	< 0.1	15	55	2.10	10	148	82	< 10
2372	S-572	16°40.32'S	30°9.04'E	27	< 1	< 0.1	10	50	2.78	18	44	< 2	< 10
2373	S-573	16°40.32'S	30°9.33'E	37	28	< 0.1	< 2	53	2.52	6	33	< 2	< 10
2374	S-574	16°40.32'S	30°9.60'E	11	< 1	< 0.1	< 2	41	1.81	3	72	< 2	< 10
2375	S-575	16°40.33'S	30°9.87'E	16	< 1	< 0.1	2	38	1.76	5	82	< 2	< 10
2376	S-576	16°40.30'S	30°10.20'E	16	< 1	< 0.1	6	70	2.52	9	120	< 2	< 10
2377	S-577	16°40.31'S	30°10.46'E	50	< 1	< 0.1	14	64	2.77	6	87	< 2	< 10
2378	S-578	16°40.06'S	30°10.47'E	35	< 1	0.2	14	84	3.48	10	46	< 2	< 10
2379	S-579	16°40.05'S	30°10.21'E	24	< 1	< 0.1	6	73	2.81	9	91	< 2	< 10
2380	S-580	16°40.03'S	30°9.90'E	13	< 1	< 0.1	4	28	1.41	< 1	48	< 2	< 10
2381	S-581	16°40.05'S	30°9.60'E	33	< 1	< 0.1	< 2	32	1.47	2	12	< 2	< 10
2382	S-582	16°40.05'S	30°9.32'E	19	< 1	< 0.1	< 2	694	1.90	5	47	49	< 10
2383	S-583	16°40.05'S	30°9.05'E	18	< 1	< 0.1	2	35	2.18	< 1	11	< 2	< 10
2384	S-584	16°40.04'S	30°8.75'E	19	< 1	< 0.1	12	41	2.20	4	29	< 2	10
2385	S-585	16°40.05'S	30°8.48'E	204	3	< 0.1	34	136	6.31	16	55	< 2	10
2386	S-586	16°40.05'S	30°8.21'E	15	< 1	< 0.1	17	49	2.80	4	46	< 2	< 10
2387	S-587	16°40.05'S	30°7.92'E	13	< 1	< 0.1	13	59	2.09	4	39	< 2	< 10
2388	S-588	16°40.32'S	30°7.90'E	16	< 1	0.1	17	65	2.77	2	33	< 2	< 10
2389	S-589	16°40.32'S	30°8.20'E	21	< 1	< 0.1	9	62	3.11	17	44	< 2	< 10
2390	Y-639	16°40.87'S	30°8.48'E	73	< 1	< 0.1	19	44	2.48	15	36	2	10
2391	Y-640	16°40.86'S	30°8.77'E	33	< 1	< 0.1	15	26	1.97	10	33	< 2	< 10
2392	Y-641	16°40.86'S	30°9.05'E	51	< 1	< 0.1	17	39	3.18	12	37	< 2	< 10
2393	Y-642	16°40.86'S	30°9.34'E	23	< 1	< 0.1	13	29	1.96	8	15	< 2	< 10
2394	Y-643	16°40.86'S	30°9.60'E	48	< 1	< 0.1	27	264	4.51	12	64	51	< 10
2395	Y-644	16°40.86'S	30°9.89'E	33	< 1	< 0.1	25	40	2.56	9	49	2	< 10
2396	Y-645	16°40.87'S	30°10.17'E	17	< 1	< 0.1	20	36	2.21	9	37	65	< 10
2397	Y-646	16°40.86'S	30°10.46'E	35	< 1	< 0.1	28	59	3.49	11	20	2	< 10
2398	Y-647	16°40.86'S	30°10.74'E	15	< 1	< 0.1	19	28	1.90	6	8	< 2	< 10
2399	Y-648	16°40.60'S	30°10.46'E	122	< 1	< 0.1	19	34	2.57	4	22	< 2	< 10
2400	Y-649	16°40.59'S	30°10.19'E	37	< 1	< 0.1	32	67	4.19	13	25	2	< 10
2401	Y-650	16°40.59'S	30°9.89'E	32	< 1	< 0.1	39	49	3.05	15	40	< 2	< 10
2402	Y-651	16°40.59'S	30°9.61'E	25	< 1	< 0.1	27	76	1.25	5	30	< 2	10
2403	Y-652	16°40.59'S	30°9.32'E	17	< 1	< 0.1	19	23	1.90	5	31	< 2	10
2404	Y-653	16°40.59'S	30°9.06'E	30	< 1	< 0.1	25	28	1.88	4	35	< 2	< 10
2405	Y-654	16°40.59'S	30°8.78'E	45	< 1	< 0.1	24	27	2.28	8	17	< 2	< 10
2406	Y-655	16°40.59'S	30°8.49'E	34	< 1	< 0.1	16	33	2.32	6	43	< 2	< 10
2407	I-667	16°51.17'S	30°12.99'E	8	< 1	< 0.1	21	3	0.95	6	143	< 2	< 10
2408	I-668	16°50.90'S	30°13.01'E	15	< 1	< 0.1	20	< 2	0.76	4	54	< 2	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
2409	I-669	16°50.63'S	30°13.00'E	10	< 1	< 0.1	28	< 2	0.79	5	36	< 2	< 10
2410	I-670	16°50.36'S	30°13.01'E	19	< 1	< 0.1	23	3	0.93	5	123	< 2	< 10
2411	I-671	16°50.09'S	30°13.00'E	14	< 1	< 0.1	30	18	1.28	8	82	< 2	< 10
2412	I-672	16°49.82'S	30°13.00'E	7	< 1	< 0.1	34	3	0.97	5	48	33	< 10
2413	I-673	16°50.91'S	30°13.28'E	8	< 1	< 0.1	25	< 2	0.66	3	66	< 2	< 10
2414	I-674	16°51.18'S	30°13.28'E	33	< 1	< 0.1	27	23	1.34	3	48	< 2	< 10
2415	I-675	16°51.45'S	30°13.28'E	20	< 1	< 0.1	7	17	1.34	9	274	< 2	< 10
2416	I-676	16°51.72'S	30°13.28'E	55	< 1	< 0.1	29	101	3.82	11	30	< 2	< 10
2417	I-677	16°52.00'S	30°13.28'E	80	3	< 0.1	47	98	4.75	18	97	< 2	< 10
2418	I-678	16°51.99'S	30°13.56'E	49	< 1	< 0.1	56	58	3.64	11	57	< 2	< 10
2419	I-679	16°51.99'S	30°12.98'E	23	< 1	< 0.1	33	25	1.82	11	118	< 2	< 10
2420	I-680	16°51.72'S	30°13.01'E	23	< 1	< 0.1	12	22	1.79	5	34	< 2	< 10
2421	I-681	16°51.45'S	30°13.00'E	81	1	< 0.1	65	98	2.54	16	60	< 2	< 10
2422	N-162	16°39.31'S	30°8.50'E	152	1	2.2	35	141	6.41	7	32	3	< 10
2423	N-163	16°39.49'S	30°8.79'E	28	< 1	0.7	28	55	3.09	8	45	2	< 10
2424	N-164	16°39.49'S	30°9.07'E	7	< 1	< 0.1	20	19	1.41	4	32	2	< 10
2425	N-165	16°39.48'S	30°9.31'E	238	3	< 0.1	28	145	6.13	5	35	2	< 10
2426	N-166	16°39.50'S	30°9.61'E	238	2	< 0.1	54	2542	6.63	11	46	2	< 10
2427	N-167	16°39.49'S	30°9.90'E	11	< 1	< 0.1	10	39	1.88	2	51	2	< 10
2428	N-168	16°39.51'S	30°10.20'E	93	< 1	< 0.1	27	95	4.25	9	49	2	< 10
2429	N-169	16°39.53'S	30°10.47'E	57	< 1	< 0.1	47	1090	3.91	6	53	68	< 10
2430	N-170	16°39.80'S	30°10.47'E	45	< 1	< 0.1	31	75	3.54	7	47	3	< 10
2431	N-171	16°39.80'S	30°10.17'E	57	< 1	< 0.1	36	89	4.43	8	89	2	< 10
2432	N-172	16°39.80'S	30°9.92'E	41	< 1	< 0.1	33	47	3.27	8	26	2	< 10
2433	N-173	16°39.77'S	30°9.63'E	15	< 1	0.1	5	37	1.77	3	36	2	< 10
2434	N-174	16°39.76'S	30°9.33'E	38	< 1	< 0.1	16	68	2.46	6	27	2	< 10
2435	N-175	16°39.77'S	30°9.04'E	15	< 1	< 0.1	35	29	2.26	4	20	< 2	< 10
2436	N-176	16°39.76'S	30°8.81'E	76	< 1	< 0.1	32	61	3.23	5	37	2	< 10
2437	N-177	16°39.78'S	30°8.50'E	49	< 1	< 0.1	16	43	2.27	2	28	2	< 10
2438	I-682	16°39.76'S	30°8.18'E	17	< 1	< 0.1	11	29	2.93	16	33	< 2	< 10
2439	I-683	16°39.79'S	30°7.92'E	16	2	< 0.1	3	19	1.99	11	16	< 2	< 10
2440	I-684	16°39.77'S	30°7.64'E	26	2	< 0.1	6	39	2.24	11	19	< 2	< 10
2441	I-685	16°39.78'S	30°7.36'E	29	< 1	< 0.1	4	29	1.84	9	11	< 2	< 10
2442	I-686	16°39.78'S	30°7.08'E	9	3	< 0.1	15	3	1.19	6	12	< 2	< 10
2443	I-687	16°39.77'S	30°6.77'E	28	1	< 0.1	< 2	883	1.46	9	13	79	< 10
2444	I-688	16°39.77'S	30°6.51'E	30	1	< 0.1	20	68	3.49	8	18	46	< 10
2445	I-689	16°39.77'S	30°6.23'E	25	5	< 0.1	8	21	2.62	12	17	< 2	< 10
2446	I-690	16°39.79'S	30°5.95'E	254	5	< 0.1	18	129	6.76	32	23	< 2	< 10
2447	I-691	16°39.76'S	30°5.65'E	23	1	0.1	16	32	3.08	12	20	< 2	< 10
2448	I-692	16°39.53'S	30°5.66'E	15	< 1	< 0.1	6	27	2.36	12	21	< 2	< 10
2449	I-693	16°39.51'S	30°5.95'E	198	4	< 0.1	28	129	6.02	17	28	45	< 10
2450	I-694	16°39.52'S	30°6.23'E	11	1	< 0.1	5	8	1.59	10	7	< 2	< 10
2451	I-695	16°39.51'S	30°6.51'E	26	1	< 0.1	16	24	2.00	10	22	< 2	< 10
2452	I-696	16°39.51'S	30°6.79'E	78	1	< 0.1	18	52	3.84	15	34	< 2	< 10
2453	I-697	16°39.51'S	30°7.08'E	12	< 1	< 0.1	16	15	1.25	5	13	< 2	< 10
2454	I-698	16°39.51'S	30°7.36'E	16	2	< 0.1	3	70	2.68	9	33	< 2	< 10
2455	I-699	16°39.51'S	30°7.64'E	30	5	< 0.1	11	63	3.53	17	32	< 2	< 10
2456	I-700	16°39.51'S	30°7.92'E	80	2	0.1	21	64	2.68	11	33	< 2	< 10
2457	I-701	16°39.51'S	30°8.20'E	86	3	0.2	25	182	2.94	13	47	89	< 10
2458	M-91	16°39.23'S	30°8.77'E	9	< 1	< 0.1	29	53	1.56	8	16	< 2	< 10
2459	M-92	16°39.23'S	30°9.04'E	93	1	< 0.1	36	163	5.73	14	28	< 2	< 10
2460	M-93	16°39.23'S	30°9.33'E	256	51	< 0.1	36	182	3.96	11	44	< 2	< 10
2461	M-94	16°39.22'S	30°9.61'E	135	3	< 0.1	46	198	6.45	12	39	< 2	< 10
2462	M-95	16°39.25'S	30°9.88'E	75	3	< 0.1	63	132	4.24	10	51	< 2	< 10
2463	M-96	16°39.23'S	30°10.17'E	70	2	< 0.1	35	134	3.96	11	76	26	< 10
2464	M-97	16°38.96'S	30°10.18'E	44	3	< 0.1	36	146	3.88	11	64	< 2	< 10
2465	M-98	16°38.96'S	30°9.89'E	76	2	< 0.1	45	117	2.96	9	35	< 2	< 10
2466	M-99	16°38.95'S	30°9.64'E	39	2	< 0.1	36	97	3.08	9	28	< 2	< 10
2467	M-100	16°38.99'S	30°9.34'E	44	2	< 0.1	43	85	2.80	13	62	< 2	< 10
2468	M-101	16°38.96'S	30°9.04'E	192	6	0.2	78	473	4.45	16	62	< 2	< 10
2469	M-102	16°38.96'S	30°8.78'E	32	< 1	< 0.1	22	47	1.20	7	17	< 2	< 10
2470	M-103	16°38.96'S	30°8.48'E	411	11	< 0.1	48	187	4.68	14	54	< 2	< 10
2471	M-104	16°38.96'S	30°8.21'E	121	4	< 0.1	22	117	2.63	15	59	< 2	< 10
2472	M-105	16°38.97'S	30°7.91'E	41	< 1	0.4	21	87	2.68	9	48	< 2	< 10
2473	M-106	16°39.26'S	30°7.93'E	89	3	0.2	19	102	2.71	9	53	< 2	< 10
2474	M-107	16°39.23'S	30°8.19'E	78	3	< 0.1	25	85	3.09	10	46	< 2	< 10
2475	M-108	16°39.23'S	30°8.48'E	270	7	< 0.1	17	145	5.53	15	44	< 2	< 10
2476	S-590	16°40.05'S	30°7.63'E	14	< 1	< 0.1	15	85	2.71	8	77	< 2	< 10
2477	S-591	16°40.06'S	30°7.37'E	14	< 1	< 0.1	18	1023	2.08	2	17	107	< 10
2478	S-592	16°40.04'S	30°7.08'E	17	< 1	< 0.1	13	44	1.70	5	84	< 2	< 10
2479	S-593	16°40.05'S	30°6.79'E	48	10	< 0.1	11	49	2.55	< 1	24	< 2	< 10
2480	S-594	16°40.05'S	30°6.52'E	16	< 1	< 0.1	9	55	3.08	4	34	< 2	< 10
2481	S-595	16°40.06'S	30°6.24'E	167	4	0.2	16	202	7.02	18	57	< 2	< 10
2482	S-596	16°40.04'S	30°5.96'E	30	< 1	< 0.1	< 2	97	2.48	7	61	< 2	< 10
2483	S-597	16°40.05'S	30°5.67'E	18	< 1	< 0.1	2	80	3.10	10	92	< 2	< 10
2484	S-598	16°40.06'S	30°5.38'E	307	4	0.2	11	176	7.28	22	60	16	< 10
2485	S-599	16°40.05'S	30°5.10'E	49	< 1	< 0.1	< 2	58	2.93	7	38	< 2	< 10
2486	S-600	16°40.30'S	30°5.02'E	112	2	< 0.1	10	112	5.95	19	56	< 2	< 10
2487	S-601	16°40.33'S	30°5.38'E	143	1	0.2	21	90	4.91	11	38	< 2	< 10
2488	S-602	16°40.30'S	30°5.65'E	14	< 1	< 0.1	13	53	2.63	7	35	< 2	< 10
2489	S-603	16°40.32'S	30°5.95'E	8	< 1	< 0.1	< 2	35	1.98	4	26	< 2	< 10
2490	S-604	16°40.32'S	30°6.23'E	74	< 1	< 0.1	< 2	96	4.30	13	65	< 2	< 10
2491	S-605	16°40.27'S	30°6.50'E	121	< 1	0.1	10	69	3.13	9	56	< 2	< 10
2492	S-606	16°40.32'S	30°6.78'E	41	10	< 0.1	13	87	3.73	10	76	< 2	< 10
2493	S-607	16°40.35'S	30°7.10'E	37	< 1	< 0.1	11	50	2.34	4	35	< 2	< 10
2494	S-608	16°40.32'S	30°7.40'E	33	< 1	< 0.1	9	58	3.14	8	25	< 2	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
2495	S-609	16°40.33'S	30°7.63'E	23	< 1	< 0.1	17	79	2.41	3	31	< 2	< 10
2496	Y-656	16°40.86'S	30°8.18'E	13	5	< 0.1	29	747	1.78	4	42	56	< 10
2497	Y-657	16°40.86'S	30°7.93'E	52	< 1	< 0.1	49	77	3.66	10	35	3	< 10
2498	Y-658	16°40.86'S	30°7.65'E	61	< 1	< 0.1	33	56	2.78	8	27	< 2	< 10
2499	Y-659	16°40.85'S	30°7.37'E	37	< 1	< 0.1	22	80	3.62	13	142	3	< 10
2500	Y-660	16°40.84'S	30°7.12'E	89	< 1	< 0.1	44	80	3.53	9	54	2	< 10
2501	Y-661	16°40.85'S	30°6.80'E	18	1	< 0.1	43	78	3.90	10	70	2	< 10
2502	Y-662	16°40.85'S	30°6.51'E	303	3	< 0.1	52	318	7.99	22	57	< 2	< 10
2503	Y-663	16°40.86'S	30°6.23'E	24	< 1	< 0.1	28	47	2.76	9	91	< 2	< 10
2504	Y-664	16°40.89'S	30°5.93'E	9	< 1	< 0.1	29	49	2.24	9	68	2	< 10
2505	Y-665	16°40.85'S	30°5.68'E	9	< 1	< 0.1	33	1332	2.21	5	31	108	< 10
2506	Y-666	16°40.86'S	30°5.37'E	209	3	< 0.1	42	91	7.85	25	83	4	< 10
2507	Y-667	16°40.86'S	30°5.10'E	132	1	< 0.1	28	68	5.93	20	81	3	< 10
2508	Y-668	16°40.59'S	30°5.09'E	50	< 1	< 0.1	44	45	3.27	11	47	2	< 10
2509	Y-669	16°40.59'S	30°5.38'E	190	5	< 0.1	35	131	7.45	26	64	4	< 10
2510	Y-670	16°40.59'S	30°5.66'E	13	< 1	< 0.1	25	29	2.12	14	156	< 2	< 10
2511	Y-671	16°40.59'S	30°5.97'E	9	< 1	< 0.1	24	41	2.12	10	85	< 2	< 10
2512	Y-672	16°40.58'S	30°6.24'E	9	< 1	< 0.1	10	15	1.43	8	36	32	< 10
2513	Y-673	16°40.59'S	30°6.52'E	74	3	< 0.1	18	52	2.23	17	56	2	< 10
2514	Y-674	16°40.59'S	30°6.78'E	41	1	< 0.1	23	53	2.66	16	96	< 2	< 10
2515	Y-675	16°40.58'S	30°7.07'E	46	< 1	< 0.1	25	111	3.93	18	43	< 2	< 10
2516	Y-676	16°40.59'S	30°7.35'E	18	< 1	< 0.1	31	52	2.18	8	49	2	< 10
2517	Y-677	16°40.59'S	30°7.63'E	89	< 1	< 0.1	27	51	1.89	9	23	4	< 10
2518	Y-678	16°40.58'S	30°7.91'E	55	< 1	< 0.1	33	100	3.95	15	43	2	< 10
2519	Y-679	16°40.60'S	30°8.21'E	13	< 1	< 0.1	22	62	2.44	13	90	2	< 10
2520	I-702	16°38.70'S	30°8.77'E	178	3	< 0.1	13	187	3.16	18	70	106	< 10
2521	I-703	16°38.69'S	30°9.05'E	13	6	< 0.1	20	602	1.81	7	57	86	< 10
2522	I-704	16°38.69'S	30°9.33'E	42	4	< 0.1	22	92	3.04	19	208	2	< 10
2523	I-705	16°38.69'S	30°9.61'E	26	4	< 0.1	30	70	2.51	11	50	< 2	< 10
2524	I-706	16°38.70'S	30°9.90'E	29	1	< 0.1	25	66	2.70	15	136	< 2	< 10
2525	I-707	16°38.70'S	30°10.18'E	37	4	< 0.1	27	77	2.45	12	62	< 2	< 10
2526	I-708	16°38.42'S	30°10.21'E	29	1	< 0.1	20	72	2.51	11	46	< 2	< 10
2527	I-709	16°38.42'S	30°9.89'E	28	1	< 0.1	26	75	3.04	15	101	< 2	< 10
2528	I-710	16°38.41'S	30°9.61'E	21	< 1	< 0.1	31	63	2.09	13	55	< 2	< 10
2529	I-711	16°38.43'S	30°9.34'E	39	< 1	< 0.1	43	94	2.50	15	81	< 2	< 10
2530	I-712	16°38.41'S	30°9.04'E	23	< 1	< 0.1	25	47	1.65	10	118	< 2	< 10
2531	I-713	16°38.43'S	30°8.77'E	62	< 1	0.2	51	183	3.11	17	121	< 2	< 10
2532	I-714	16°38.41'S	30°8.47'E	392	6	0.3	42	138	3.42	22	125	< 2	< 10
2533	I-715	16°38.43'S	30°8.20'E	39	< 1	< 0.1	27	89	2.42	15	122	< 2	< 10
2534	I-716	16°38.41'S	30°7.92'E	49	< 1	< 0.1	35	67	2.12	11	60	< 2	< 10
2535	I-717	16°38.42'S	30°7.64'E	46	< 1	< 0.1	37	78	2.26	12	110	< 2	< 10
2536	I-718	16°38.42'S	30°7.35'E	76	1	< 0.1	34	627	4.11	19	81	78	< 10
2537	I-719	16°38.44'S	30°7.08'E	14	15	< 0.1	31	51	2.31	13	188	2	< 10
2538	I-720	16°38.42'S	30°6.79'E	47	< 1	< 0.1	29	49	2.66	10	138	< 2	< 10
2539	I-721	16°38.42'S	30°6.51'E	54	< 1	0.2	37	138	4.21	21	91	< 2	< 10
2540	I-722	16°38.46'S	30°6.23'E	31	< 1	< 0.1	30	61	2.41	14	96	< 2	< 10
2541	I-723	16°38.69'S	30°6.25'E	73	4	< 0.1	32	475	3.29	23	186	73	< 10
2542	I-724	16°38.68'S	30°6.51'E	146	1	< 0.1	36	158	4.05	26	211	< 2	< 10
2543	I-725	16°38.71'S	30°6.81'E	97	4	< 0.1	17	142	4.83	18	94	< 2	< 10
2544	I-726	16°38.69'S	30°7.07'E	36	< 1	< 0.1	13	62	2.69	18	143	< 2	< 10
2545	I-727	16°38.69'S	30°7.35'E	27	< 1	< 0.1	23	104	3.17	15	80	< 2	< 10
2546	I-728	16°38.69'S	30°7.65'E	27	< 1	< 0.1	23	92	2.59	16	120	< 2	< 10
2547	I-729	16°38.69'S	30°7.92'E	19	< 1	< 0.1	17	41	1.51	9	55	< 2	< 10
2548	I-730	16°38.64'S	30°8.20'E	135	2	< 0.1	26	96	2.32	17	59	< 2	< 10
2549	I-731	16°38.67'S	30°8.48'E	411	31	0.2	46	172	3.33	27	174	< 2	< 10
2550	S-610	16°36.53'S	30°4.55'E	7	7	< 0.1	< 2	34	1.22	< 1	33	< 2	< 10
2551	S-611	16°36.26'S	30°4.53'E	6	< 1	< 0.1	< 2	20	1.53	< 1	20	< 2	< 10
2552	S-612	16°36.25'S	30°4.81'E	262	< 1	0.2	19	208	7.13	19	87	< 2	< 10
2553	S-613	16°36.24'S	30°5.10'E	45	1	< 0.1	2	1446	4.55	11	120	135	< 10
2554	S-614	16°36.24'S	30°5.39'E	51	< 1	0.1	14	92	3.36	9	52	30	< 10
2555	S-615	16°36.25'S	30°5.67'E	44	< 1	0.5	19	92	3.43	9	55	< 2	< 10
2556	S-616	16°36.25'S	30°5.95'E	37	1	0.1	12	88	2.88	8	40	< 2	< 10
2557	S-617	16°36.25'S	30°6.23'E	108	< 1	0.3	8	129	5.03	15	100	< 2	< 10
2558	S-618	16°36.25'S	30°6.50'E	59	< 1	0.1	22	145	5.29	12	90	< 2	< 10
2559	S-619	16°36.25'S	30°6.81'E	71	< 1	< 0.1	21	151	5.94	12	70	29	< 10
2560	S-620	16°36.25'S	30°7.09'E	63	< 1	< 0.1	< 2	128	4.08	12	90	< 2	< 10
2561	S-621	16°36.25'S	30°7.34'E	46	< 1	< 0.1	18	87	3.89	11	77	< 2	< 10
2562	S-622	16°36.25'S	30°7.63'E	39	< 1	0.1	9	85	3.20	9	52	< 2	< 10
2563	S-623	16°36.51'S	30°7.64'E	43	< 1	< 0.1	14	93	3.90	7	56	< 2	< 10
2564	S-624	16°36.51'S	30°7.35'E	60	< 1	< 0.1	16	91	4.24	11	79	< 2	< 10
2565	S-625	16°36.52'S	30°7.06'E	36	< 1	< 0.1	6	59	2.77	9	69	< 2	< 10
2566	S-626	16°36.52'S	30°6.79'E	55	1	< 0.1	10	118	4.77	11	58	< 2	< 10
2567	S-627	16°36.52'S	30°6.51'E	38	1	0.2	36	146	2.62	9	38	74	20
2568	S-628	16°36.52'S	30°6.22'E	45	1	0.3	25	201	5.49	26	116	88	10
2569	S-629	16°36.53'S	30°5.95'E	39	< 1	< 0.1	33	314	2.79	11	45	37	< 10
2570	S-630	16°36.54'S	30°5.68'E	31	< 1	< 0.1	34	110	2.02	12	44	< 2	< 10
2571	S-631	16°36.53'S	30°5.35'E	68	11	< 0.1	44	157	4.21	15	60	< 2	< 10
2572	S-632	16°36.55'S	30°5.14'E	50	< 1	< 0.1	21	124	3.63	12	37	< 2	< 10
2573	S-633	16°36.55'S	30°4.84'E	39	< 1	< 0.1	26	86	3.14	10	21	< 2	< 10
2574	Y-680	16°36.79'S	30°4.53'E	94	1	< 0.1	30	136	4.84	29	100	< 2	< 10
2575	Y-681	16°36.78'S	30°4.82'E	8	< 1	< 0.1	11	14	1.21	4	19	< 2	< 10
2576	Y-682	16°36.79'S	30°5.10'E	139	5	< 0.1	32	155	5.49	27	66	4	< 10
2577	Y-683	16°36.79'S	30°5.31'E	111	< 1	< 0.1	20	41	2.16	11	60	2	< 10
2578	Y-684	16°36.79'S	30°5.67'E	43	< 1	< 0.1	37	94	3.93	17	76	3	< 10
2579	Y-685	16°36.79'S	30°5.94'E	51	< 1	< 0.1	20	70	3.18	15	81	< 2	< 10
2580	Y-686	16°36.79'S	30°6.22'E	37	< 1	< 0.1	33	87	2.87	15	54	< 2	< 10



No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
2581	Y-687	16°36.79'S	30°6.51'E	32	< 1	< 0.1	30	1251	2.96	17	66	151	< 10
2582	Y-688	16°36.79'S	30°6.79'E	49	< 1	< 0.1	53	84	2.86	12	50	96	< 10
2583	Y-689	16°36.78'S	30°7.08'E	28	< 1	< 0.1	22	62	2.59	14	108	4	< 10
2584	Y-690	16°37.06'S	30°7.09'E	35	< 1	< 0.1	15	116	3.28	29	455	2	< 10
2585	Y-691	16°37.06'S	30°6.79'E	27	< 1	< 0.1	18	76	2.62	14	47	3	< 10
2586	Y-692	16°37.06'S	30°6.52'E	32	< 1	< 0.1	23	63	2.83	16	96	< 2	< 10
2587	Y-693	16°37.05'S	30°6.24'E	24	< 1	< 0.1	17	63	3.24	13	62	60	< 10
2588	Y-694	16°37.06'S	30°5.96'E	66	< 1	< 0.1	36	95	3.56	16	89	3	< 10
2589	Y-695	16°37.05'S	30°5.67'E	36	< 2	< 0.1	18	81	2.30	17	86	2	< 10
2590	Y-696	16°37.06'S	30°5.39'E	98	< 1	< 0.1	20	56	2.14	14	95	2	< 10
2591	Y-697	16°37.06'S	30°5.11'E	10	< 1	< 0.1	18	28	1.39	11	91	2	< 10
2592	Y-698	16°37.06'S	30°4.83'E	9	< 1	< 0.1	13	27	1.41	12	132	2	< 10
2593	Y-699	16°37.06'S	30°4.54'E	109	3	< 0.1	27	134	4.24	28	115	3	< 10
2594	M-109	16°39.25'S	30°5.68'E	29	1	0.3	17	32	1.91	8	23	< 2	< 10
2595	M-110	16°39.23'S	30°5.95'E	15	1	< 0.1	19	28	1.31	14	25	< 2	< 10
2596	M-111	16°39.23'S	30°6.22'E	172	6	0.4	18	1015	4.97	20	74	87	< 10
2597	M-112	16°39.21'S	30°6.51'E	57	2	0.4	17	49	1.91	5	15	40	< 10
2598	M-113	16°39.24'S	30°6.80'E	15	1	0.2	12	47	1.75	5	31	< 2	< 10
2599	M-114	16°39.24'S	30°7.07'E	19	2	< 0.1	10	58	2.19	5	35	< 2	< 10
2600	M-115	16°39.23'S	30°7.39'E	19	1	0.3	21	59	2.48	8	48	< 2	< 10
2601	M-116	16°39.21'S	30°7.64'E	14	< 1	< 0.1	19	50	2.02	16	28	< 2	30
2602	M-117	16°38.96'S	30°7.64'E	89	2	< 0.1	13	125	4.07	19	68	29	< 10
2603	M-118	16°38.96'S	30°7.36'E	14	< 1	0.2	11	79	2.13	< 1	37	< 2	< 10
2604	M-119	16°38.95'S	30°7.07'E	55	5	0.2	14	93	3.35	4	29	< 2	< 10
2605	M-120	16°38.97'S	30°6.79'E	35	5	< 0.1	15	85	3.32	11	15	< 2	< 10
2606	M-121	16°39.00'S	30°6.48'E	22	< 1	< 0.1	21	37	1.84	7	9	< 2	< 10
2607	M-122	16°38.98'S	30°6.23'E	11	< 1	< 0.1	35	35	1.51	6	15	< 2	< 10
2608	M-123	16°38.96'S	30°5.96'E	8	< 1	< 0.1	24	18	1.20	8	18	< 2	< 10
2609	M-124	16°38.96'S	30°5.67'E	20	< 1	< 0.1	16	32	1.37	5	16	< 2	< 10
2610	M-125	16°38.96'S	30°5.41'E	12	< 1	0.3	27	57	1.68	4	49	25	< 10
2611	M-126	16°38.97'S	30°5.09'E	26	1	0.3	14	80	3.40	8	77	51	< 10
2612	M-127	16°39.23'S	30°5.10'E	61	< 1	0.3	26	281	2.75	9	32	40	< 10
2613	M-128	16°39.23'S	30°5.36'E	32	1	0.2	27	120	2.57	9	36	2	< 10
2614	I-732	16°38.15'S	30°9.05'E	37	6	< 0.1	24	77	2.41	16	97	< 2	< 10
2615	I-733	16°38.15'S	30°9.33'E	29	6	< 0.1	30	507	2.63	16	91	57	< 10
2616	I-734	16°38.15'S	30°9.62'E	20	< 1	< 0.1	21	60	2.34	9	61	< 2	< 10
2617	I-735	16°38.16'S	30°9.88'E	34	6	< 0.1	21	60	2.61	16	63	< 2	< 10
2618	I-736	16°37.89'S	30°9.89'E	30	1	< 0.1	17	71	2.85	13	62	< 2	< 10
2619	I-737	16°37.89'S	30°9.62'E	31	< 1	< 0.1	25	71	2.77	14	47	< 2	< 10
2620	I-738	16°37.87'S	30°9.33'E	24	1	< 0.1	31	53	1.88	10	70	< 2	< 10
2621	I-739	16°37.87'S	30°9.05'E	25	2	< 0.1	24	43	1.81	13	74	< 2	< 10
2622	I-740	16°37.89'S	30°8.76'E	47	1	< 0.1	42	139	2.96	17	146	< 2	< 10
2623	I-741	16°37.89'S	30°8.48'E	194	3	< 0.1	18	102	4.11	22	81	< 2	< 10
2624	I-742	16°37.88'S	30°8.20'E	208	6	< 0.1	35	95	3.46	21	114	< 2	< 10
2625	I-743	16°37.89'S	30°7.92'E	26	1	0.2	22	398	1.90	12	119	56	< 10
2626	I-744	16°37.88'S	30°7.64'E	44	4	< 0.1	36	93	2.91	14	95	< 2	< 10
2627	I-745	16°37.89'S	30°7.35'E	35	6	< 0.1	26	96	3.14	18	181	111	< 10
2628	I-746	16°37.88'S	30°7.07'E	55	2	< 0.1	40	89	2.88	16	64	< 2	< 10
2629	I-747	16°37.89'S	30°6.79'E	43	< 1	< 0.1	36	94	3.58	15	112	< 2	< 10
2630	I-748	16°37.88'S	30°6.50'E	39	< 1	< 0.1	44	95	3.43	16	115	< 2	< 10
2631	I-749	16°37.88'S	30°6.23'E	28	< 1	< 0.1	30	70	2.67	14	87	< 2	< 10
2632	I-750	16°38.15'S	30°6.22'E	53	< 1	0.2	68	118	3.52	20	173	< 2	< 10
2633	I-751	16°38.16'S	30°6.52'E	49	3	< 0.1	29	81	3.54	18	75	< 2	< 10
2634	I-752	16°38.15'S	30°6.79'E	116	3	0.2	35	101	3.71	18	68	< 2	< 10
2635	I-753	16°38.15'S	30°7.08'E	32	2	0.3	20	92	3.18	12	53	< 2	< 10
2636	I-754	16°38.14'S	30°7.36'E	40	< 1	< 0.1	29	73	2.61	14	44	< 2	< 10
2637	I-755	16°38.16'S	30°7.64'E	42	< 1	0.1	34	90	3.26	17	43	< 2	< 10
2638	I-756	16°38.14'S	30°7.92'E	20	< 1	< 0.1	36	1343	1.88	12	67	84	< 10
2639	I-757	16°38.15'S	30°8.20'E	117	11	< 0.1	37	105	3.18	20	86	< 2	< 10
2640	I-758	16°38.14'S	30°8.51'E	162	3	0.2	34	179	3.54	30	235	< 2	< 10
2641	I-759	16°38.14'S	30°8.77'E	110	< 1	< 0.1	42	95	3.25	17	69	< 2	< 10
2642	N-178	16°41.12'S	30°8.48'E	86	6	< 0.1	24	804	3.47	7	27	72	< 10
2643	N-179	16°41.12'S	30°8.77'E	33	< 1	< 0.1	15	51	3.13	7	21	5	< 10
2644	N-180	16°41.13'S	30°9.04'E	7	< 1	< 0.1	18	24	1.52	4	19	3	< 10
2645	N-181	16°41.13'S	30°9.34'E	4	< 1	< 0.1	< 2	2	0.78	< 1	57	2	< 10
2646	N-182	16°41.14'S	30°9.61'E	12	< 1	< 0.1	17	39	2.35	6	41	2	< 10
2647	N-183	16°41.11'S	30°9.88'E	18	< 1	< 0.1	78	44	2.68	6	58	2	< 10
2648	N-184	16°41.13'S	30°10.19'E	7	< 1	< 0.1	14	26	1.72	2	27	2	< 10
2649	N-185	16°41.12'S	30°10.47'E	1	< 1	< 0.1	10	24	1.46	3	27	50	< 10
2650	N-186	16°41.14'S	30°10.74'E	3	< 1	< 0.1	14	27	1.70	8	60	8	< 10
2651	N-187	16°41.42'S	30°10.73'E	7	< 1	< 0.1	4	30	2.18	2	82	2	< 10
2652	N-188	16°41.41'S	30°10.47'E	2	< 1	0.2	11	30	1.21	2	25	2	< 10
2653	N-189	16°41.40'S	30°10.19'E	8	< 1	< 0.1	10	42	2.66	4	22	2	< 10
2654	N-190	16°41.40'S	30°9.90'E	27	< 1	1.3	24	61	3.15	3	42	2	< 10
2655	N-191	16°41.42'S	30°9.60'E	6	< 1	< 0.1	9	16	1.30	3	23	2	< 10
2656	N-192	16°41.40'S	30°9.32'E	10	< 1	< 0.1	19	23	1.89	2	27	2	< 10
2657	N-193	16°41.42'S	30°9.04'E	11	< 1	0.2	6	14	1.02	4	24	2	< 10
2658	N-194	16°41.41'S	30°8.77'E	11	< 1	< 0.1	< 2	14	1.14	3	34	2	< 10
2659	N-195	16°41.42'S	30°8.50'E	10	< 1	< 0.1	5	12	1.51	5	36	2	< 10
2660	M-129	16°41.12'S	30°7.93'E	152	3	0.2	24	96	2.85	8	34	< 2	< 10
2661	M-130	16°41.12'S	30°7.65'E	35	< 1	< 0.1	29	106	2.94	8	86	< 2	< 10
2662	M-131	16°41.12'S	30°7.36'E	26	< 1	< 0.1	26	63	2.29	5	24	< 2	< 10
2663	M-132	16°41.12'S	30°7.09'E	54	3	0.3	35	1376	3.63	10	48	< 2	< 10
2664	M-133	16°41.13'S	30°6.80'E	53	5	0.1	20	72	2.57	6	48	< 2	< 10
2665	M-134	16°41.14'S	30°6.51'E	36	< 1	0.1	25	76	1.81	5	30	< 2	< 10
2666	M-135	16°41.12'S	30°6.24'E	15	< 1	0.3	22	41	2.17	6	87	< 2	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
2667	M-136	16°41.12'S	30°6.01'E	17	1	< 0.1	16	44	1.91	6	23	< 2	< 10
2668	M-137	16°41.14'S	30°5.67'E	190	5	< 0.1	35	150	5.73	13	50	< 2	< 10
2669	M-138	16°41.13'S	30°5.39'E	118	4	0.5	32	120	4.95	11	35	< 2	< 10
2670	M-139	16°41.13'S	30°5.10'E	132	< 1	0.3	18	42	1.98	5	26	< 2	< 10
2671	M-140	16°41.40'S	30°5.10'E	115	3	0.3	31	171	5.74	13	30	< 2	< 10
2672	M-141	16°41.41'S	30°5.38'E	80	30	< 0.1	38	97	3.26	14	67	< 2	< 10
2673	M-142	16°41.41'S	30°5.69'E	142	2	< 0.2	15	534	4.73	17	51	75	< 10
2674	M-143	16°41.41'S	30°5.95'E	207	6	< 0.1	57	196	6.18	15	52	2	< 10
2675	M-144	16°41.40'S	30°6.22'E	36	1	< 0.1	30	87	3.90	3	43	< 2	< 10
2676	M-145	16°41.41'S	30°6.50'E	18	< 1	< 0.1	19	67	2.51	8	43	2	< 10
2677	M-146	16°41.43'S	30°6.82'E	141	9	0.2	35	95	3.19	8	62	< 2	< 10
2678	M-147	16°41.42'S	30°7.07'E	44	2	< 0.1	44	249	3.88	5	102	40	< 10
2679	M-148	16°41.42'S	30°7.38'E	18	6	0.1	25	66	2.76	6	44	2	< 10
2680	M-149	16°41.42'S	30°7.65'E	24	< 1	0.1	28	85	2.98	1	73	< 2	< 10
2681	M-150	16°41.40'S	30°7.91'E	13	< 1	0.1	25	39	1.71	2	32	< 2	< 10
2682	M-151	16°41.41'S	30°8.19'E	10	< 1	0.1	20	38	1.67	3	22	< 2	< 10
2683	M-152	16°41.08'S	30°8.27'E	16	3	< 0.1	21	67	2.19	7	31	< 2	< 10
2684	S-634	16°35.96'S	30°4.56'E	43	1	< 0.1	41	180	5.36	15	41	< 2	< 10
2685	S-635	16°35.71'S	30°4.54'E	31	< 1	< 0.1	32	77	2.15	8	30	< 2	< 10
2686	S-636	16°35.73'S	30°4.80'E	22	< 1	< 0.1	32	71	2.94	12	28	< 2	< 10
2687	S-637	16°35.71'S	30°5.10'E	16	< 1	< 0.1	25	48	2.02	5	39	< 2	< 10
2688	S-638	16°35.71'S	30°5.37'E	38	< 1	< 0.1	34	57	2.31	5	22	< 2	< 10
2689	S-639	16°35.71'S	30°5.67'E	116	3	0.1	36	132	4.56	9	59	< 2	< 10
2690	S-640	16°35.71'S	30°5.95'E	51	< 1	0.2	32	73	3.13	8	44	< 2	< 10
2691	S-641	16°35.72'S	30°6.23'E	40	1	0.1	36	73	2.70	7	31	< 2	< 10
2692	S-642	16°35.75'S	30°6.52'E	25	< 1	< 0.1	37	76	1.92	3	39	< 2	< 10
2693	S-643	16°35.72'S	30°6.80'E	27	< 1	< 0.1	46	58	1.81	7	33	< 2	< 10
2694	S-644	16°35.72'S	30°7.06'E	43	< 1	< 0.1	36	356	3.06	9	53	48	< 10
2695	S-645	16°35.71'S	30°7.35'E	34	< 1	< 0.1	26	83	2.83	8	46	< 2	< 10
2696	S-646	16°35.71'S	30°7.63'E	42	< 1	< 0.1	26	93	3.25	9	61	< 2	< 10
2697	S-647	16°35.97'S	30°7.63'E	91	2	0.3	36	221	4.51	17	86	< 2	< 10
2698	S-648	16°35.98'S	30°7.36'E	55	3	< 0.1	33	182	3.35	10	45	< 2	< 10
2699	S-649	16°35.98'S	30°7.08'E	37	< 1	0.4	32	272	2.52	12	51	32	< 10
2700	S-650	16°35.98'S	30°6.78'E	64	2	0.1	44	135	3.42	14	55	< 2	< 10
2701	S-651	16°35.98'S	30°6.52'E	48	< 1	0.3	38	112	2.77	9	45	< 2	< 10
2702	S-652	16°35.98'S	30°6.24'E	42	< 1	0.2	34	108	3.31	10	40	< 2	< 10
2703	S-653	16°35.97'S	30°5.96'E	45	< 1	0.2	36	131	3.14	10	43	2	< 10
2704	S-654	16°35.98'S	30°5.68'E	39	1	0.3	32	76	2.80	12	50	< 2	< 10
2705	S-655	16°35.98'S	30°5.38'E	35	< 1	0.2	40	77	2.86	10	34	< 2	< 10
2706	S-656	16°35.98'S	30°5.10'E	28	1	0.1	41	97	2.76	12	58	< 2	< 10
2707	S-657	16°35.98'S	30°4.83'E	8	< 1	< 0.1	25	32	1.38	6	17	< 2	< 10
2708	Y-700	16°37.34'S	30°4.53'E	28	< 1	0.1	17	36	1.73	12	100	2	< 10
2709	Y-701	16°37.61'S	30°4.54'E	150	4	0.5	6	214	4.75	21	100	83	10
2710	Y-702	16°37.61'S	30°4.86'E	7	< 1	0.2	6	39	1.75	6	46	79	10
2711	Y-703	16°37.61'S	30°5.11'E	19	< 1	< 0.1	9	311	2.89	17	66	29	10
2712	Y-704	16°37.61'S	30°5.38'E	31	4	0.1	11	56	2.34	9	31	< 2	10
2713	Y-705	16°37.61'S	30°5.66'E	54	< 1	< 0.1	18	98	2.75	16	74	< 2	< 10
2714	Y-706	16°37.60'S	30°5.95'E	52	< 1	< 0.1	13	95	3.04	16	71	< 2	< 10
2715	Y-707	16°37.60'S	30°6.23'E	42	< 1	0.1	5	84	3.59	14	53	< 2	< 10
2716	Y-708	16°37.62'S	30°6.51'E	39	< 1	< 0.1	12	69	2.53	11	38	< 2	< 10
2717	Y-709	16°37.61'S	30°6.79'E	51	< 1	< 0.1	13	62	2.35	9	81	< 2	< 10
2718	Y-710	16°37.61'S	30°7.08'E	58	< 1	< 0.1	12	73	2.52	12	101	< 2	< 10
2719	Y-711	16°37.34'S	30°7.08'E	35	< 1	< 0.1	8	159	3.82	32	616	< 2	< 10
2720	Y-712	16°37.34'S	30°6.78'E	30	< 1	0.2	9	82	2.72	13	58	< 2	< 10
2721	Y-713	16°37.34'S	30°6.50'E	32	< 1	< 0.1	19	78	2.59	12	43	< 2	< 10
2722	Y-714	16°37.35'S	30°6.23'E	54	< 1	< 0.1	19	95	3.31	15	76	< 2	< 10
2723	Y-715	16°37.34'S	30°5.95'E	51	< 1	< 0.1	25	121	3.58	14	63	< 2	< 10
2724	Y-716	16°37.34'S	30°5.67'E	54	< 1	< 0.1	25	84	2.76	12	83	< 2	< 10
2725	Y-717	16°37.33'S	30°5.38'E	81	< 1	< 0.1	20	83	2.27	6	54	< 2	< 10
2726	Y-718	16°37.33'S	30°5.09'E	17	< 1	< 0.1	16	475	2.52	10	31	59	< 10
2727	Y-719	16°37.35'S	30°4.83'E	6	< 1	< 0.1	23	46	1.74	8	32	< 2	< 10
2728	I-760	16°38.14'S	30°4.54'E	11	2	< 0.1	29	26	1.70	8	55	< 2	< 10
2729	I-761	16°38.15'S	30°4.83'E	15	5	< 0.1	19	44	1.53	9	22	< 2	< 10
2730	I-762	16°38.17'S	30°5.12'E	10	< 1	< 0.1	13	36	1.62	8	40	< 2	< 10
2731	I-763	16°38.15'S	30°5.39'E	15	5	< 0.1	13	51	2.57	12	42	< 2	< 10
2732	I-764	16°38.15'S	30°5.63'E	8	< 1	< 0.1	4	28	1.40	6	28	< 2	< 10
2733	I-765	16°38.15'S	30°5.91'E	23	< 1	< 0.1	20	606	1.38	6	38	76	< 10
2734	I-766	16°37.89'S	30°5.95'E	53	< 1	< 0.1	22	80	2.59	16	56	< 2	< 10
2735	I-767	16°37.87'S	30°5.67'E	29	< 1	< 0.1	15	72	2.64	7	27	< 2	< 10
2736	I-768	16°37.88'S	30°5.38'E	11	5	< 0.1	16	44	2.03	13	104	< 2	< 10
2737	I-769	16°37.87'S	30°5.10'E	7	< 1	< 0.1	31	17	1.03	5	23	< 2	< 10
2738	I-770	16°37.89'S	30°4.82'E	90	7	< 0.1	15	90	3.46	22	58	< 2	10
2739	I-771	16°37.88'S	30°4.69'E	136	3	0.8	32	182	4.33	22	56	< 2	10
2740	I-772	16°38.42'S	30°4.82'E	15	2	< 0.1	24	37	2.14	15	114	42	< 10
2741	I-773	16°38.40'S	30°5.09'E	4	< 1	< 0.1	19	49	1.36	6	34	< 2	< 10
2742	I-774	16°38.41'S	30°5.38'E	10	< 1	< 0.1	13	27	1.07	6	27	< 2	< 10
2743	I-775	16°38.41'S	30°5.67'E	5	3	< 0.1	14	31	1.34	7	26	< 2	< 10
2744	I-776	16°38.41'S	30°5.95'E	11	14	< 0.1	6	29	1.54	8	22	< 2	< 10
2745	I-777	16°38.70'S	30°5.94'E	59	6	< 0.1	37	82	2.92	16	60	< 2	< 10
2746	I-778	16°38.69'S	30°5.65'E	6	9	< 0.1	26	21	1.35	7	84	< 2	< 10
2747	I-779	16°38.69'S	30°5.38'E	9	4	< 0.1	19	35	1.62	8	22	< 2	< 10
2748	I-780	16°38.69'S	30°5.20'E	2	< 1	< 0.1	23	31	1.33	6	27	< 2	< 10
2749	I-781	16°39.50'S	30°5.38'E	30	4	< 0.1	22	62	2.84	14	31	< 2	< 10
2750	I-782	16°39.51'S	30°5.20'E	20	3	< 0.1	19	92	2.77	12	43	< 2	< 10
2751	I-783	16°39.78'S	30°5.20'E	38	6	< 0.1	38	150	4.10	15	25	< 2	< 10
2752	I-784	16°39.78'S	30°5.38'E	13	4	< 0.1	21	42	2.48	12	27	< 2	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(X)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
2753	M-153	16°41.93'S	30°8.48'E	16	< 1	< 0.1	26	42	1.69	7	25	2	< 10
2754	M-154	16°41.94'S	30°8.79'E	62	2	0.2	29	77	2.48	8	58	< 2	< 10
2755	M-155	16°41.95'S	30°9.04'E	8	< 1	0.1	14	65	1.72	4	20	< 2	< 10
2756	M-156	16°41.95'S	30°9.32'E	7	< 1	< 0.1	6	29	1.12	< 1	27	< 2	< 10
2757	M-157	16°41.94'S	30°9.60'E	12	5	< 0.1	22	211	1.49	1	13	32	< 10
2758	M-158	16°41.92'S	30°9.89'E	35	< 1	< 0.1	10	31	1.13	< 1	10	< 2	< 10
2759	M-159	16°41.95'S	30°10.18'E	2	< 1	0.1	14	42	1.05	3	36	< 2	< 10
2760	M-160	16°41.95'S	30°10.46'E	< 1	< 1	0.1	11	36	1.26	4	35	< 2	< 10
2761	M-161	16°41.95'S	30°10.74'E	6	< 1	0.2	24	58	1.82	4	16	< 2	< 10
2762	M-162	16°41.68'S	30°10.73'E	6	< 1	< 0.1	19	50	1.88	5	39	< 2	< 10
2763	M-163	16°41.66'S	30°10.47'E	12	< 1	< 0.1	27	83	2.28	5	50	< 2	< 10
2764	M-164	16°41.68'S	30°10.19'E	17	< 1	< 0.1	22	62	1.99	8	69	< 2	< 10
2765	M-165	16°41.69'S	30°9.90'E	11	< 1	< 0.1	13	51	2.27	5	35	< 2	< 10
2766	M-166	16°41.69'S	30°9.61'E	9	< 1	< 0.1	13	27	1.30	4	53	< 2	< 10
2767	M-167	16°41.67'S	30°9.34'E	20	< 1	0.1	11	185	0.93	3	29	39	< 10
2768	M-168	16°41.68'S	30°9.06'E	10	< 1	0.1	10	27	1.29	5	11	< 2	< 10
2769	M-169	16°41.68'S	30°8.78'E	20	< 1	< 0.1	12	28	1.19	4	33	41	< 10
2770	M-170	16°41.68'S	30°8.49'E	7	< 1	< 0.1	20	27	1.35	3	59	3	< 10
2771	S-658	16°35.70'S	30°8.47'E	79	1	< 0.1	45	154	5.03	20	77	< 2	< 10
2772	S-659	16°35.71'S	30°8.21'E	46	1	0.1	28	300	3.15	12	71	30	< 10
2773	S-660	16°35.72'S	30°7.92'E	40	1	< 0.1	49	77	2.93	11	43	< 2	< 10
2774	S-661	16°35.98'S	30°7.92'E	15	< 1	< 0.1	28	28	1.49	5	22	< 2	< 10
2775	S-662	16°35.99'S	30°8.19'E	44	1	0.1	34	103	3.74	10	24	< 2	< 10
2776	S-663	16°36.00'S	30°8.50'E	35	< 1	< 0.1	34	72	2.51	13	82	< 2	< 10
2777	S-664	16°36.25'S	30°8.47'E	33	< 1	0.3	46	182	2.28	8	52	< 2	< 10
2778	S-665	16°36.23'S	30°8.17'E	33	< 1	0.1	35	77	2.68	10	47	< 2	< 10
2779	S-666	16°36.26'S	30°7.91'E	32	< 1	0.3	27	54	2.05	9	58	< 2	< 10
2780	S-667	16°36.53'S	30°7.91'E	35	1	0.1	34	82	2.49	7	35	< 2	< 10
2781	S-668	16°36.52'S	30°8.19'E	58	1	0.2	43	147	3.79	12	57	< 2	< 10
2782	S-669	16°36.52'S	30°8.47'E	22	< 1	0.1	35	264	2.07	8	35	33	< 10
2783	S-670	16°36.52'S	30°8.77'E	174	3	0.3	31	210	5.80	14	62	< 2	< 10
2784	S-671	16°36.52'S	30°9.05'E	95	3	< 0.1	36	308	3.28	5	37	35	< 10
2785	S-672	16°36.24'S	30°8.78'E	50	5	0.1	23	79	3.42	8	60	< 2	< 10
2786	S-673	16°35.98'S	30°8.78'E	18	< 1	0.4	31	103	1.97	3	35	< 2	< 10
2787	Y-720	16°37.34'S	30°9.34'E	34	< 1	< 0.1	15	42	2.09	11	42	< 2	< 10
2788	Y-721	16°37.34'S	30°9.06'E	32	< 1	< 0.1	14	36	1.83	8	20	< 2	< 10
2789	Y-722	16°37.34'S	30°8.77'E	69	< 1	< 0.1	23	95	3.21	16	126	< 2	< 10
2790	Y-723	16°37.34'S	30°8.49'E	47	< 1	< 0.1	25	497	3.29	17	45	74	< 10
2791	Y-724	16°37.34'S	30°8.21'E	52	< 1	< 0.1	19	88	3.44	16	53	< 2	< 10
2792	Y-725	16°37.34'S	30°7.92'E	38	< 1	< 0.1	16	71	2.38	12	48	< 2	< 10
2793	Y-726	16°37.34'S	30°7.63'E	39	< 1	< 0.1	10	42	2.09	14	74	< 2	< 10
2794	Y-727	16°37.34'S	30°7.37'E	36	< 1	< 0.1	8	63	2.29	11	52	< 2	< 10
2795	Y-728	16°37.61'S	30°7.37'E	46	< 1	< 0.1	19	79	2.28	10	59	< 2	< 10
2796	Y-729	16°37.61'S	30°7.65'E	36	< 1	< 0.1	4	56	2.07	11	47	< 2	< 10
2797	Y-730	16°37.61'S	30°7.93'E	37	< 1	< 0.1	9	54	2.09	12	64	< 2	< 10
2798	Y-731	16°37.61'S	30°8.20'E	49	< 1	< 0.1	22	120	2.95	13	44	< 2	< 10
2799	Y-732	16°37.61'S	30°8.47'E	108	2	< 0.1	15	128	3.39	16	57	< 2	< 10
2800	Y-733	16°37.61'S	30°8.76'E	36	< 1	< 0.1	8	381	2.05	11	65	43	< 10
2801	Y-734	16°37.61'S	30°9.06'E	47	< 1	< 0.1	12	71	2.31	8	62	< 2	< 10
2802	Y-735	16°37.61'S	30°9.32'E	41	< 1	< 0.1	< 2	80	2.65	17	72	< 2	< 10
2803	Y-736	16°37.61'S	30°9.60'E	16	< 1	< 0.1	< 2	40	1.42	6	30	< 2	< 10
2804	N-196	16°42.48'S	30°8.76'E	25	< 1	< 0.1	19	83	2.49	6	35	7	< 10
2805	N-197	16°42.48'S	30°9.04'E	45	< 1	< 0.1	17	50	2.62	5	43	3	< 10
2806	N-198	16°42.50'S	30°9.32'E	61	< 1	1.7	17	67	3.34	8	57	2	< 10
2807	N-199	16°42.49'S	30°9.60'E	21	< 1	< 0.1	14	29	2.12	5	20	2	< 10
2808	N-200	16°42.45'S	30°9.90'E	6	< 1	< 0.1	9	901	1.18	4	69	96	< 10
2809	N-201	16°42.49'S	30°10.19'E	8	< 1	< 0.1	8	23	1.05	1	14	53	< 10
2810	N-202	16°42.49'S	30°10.47'E	7	< 1	< 0.1	9	11	1.01	< 1	33	4	< 10
2811	N-203	16°42.49'S	30°10.74'E	9	< 1	< 0.1	9	9	1.04	2	17	2	< 10
2812	N-204	16°42.50'S	30°11.01'E	57	< 1	< 0.1	18	29	1.63	2	28	2	< 10
2813	N-205	16°42.24'S	30°11.02'E	20	< 1	0.2	11	36	2.16	3	39	2	< 10
2814	N-206	16°42.21'S	30°10.74'E	36	< 1	< 0.1	22	49	2.71	7	28	47	< 10
2815	N-207	16°42.21'S	30°10.47'E	15	< 1	< 0.1	5	30	1.45	4	25	4	< 10
2816	N-208	16°42.22'S	30°10.19'E	7	< 1	< 0.1	3	6	0.86	3	38	2	< 10
2817	N-209	16°42.23'S	30°9.90'E	10	< 1	< 0.1	< 2	11	0.92	< 1	44	2	< 10
2818	N-210	16°42.22'S	30°9.63'E	35	< 1	< 0.1	21	29	1.56	4	108	2	< 10
2819	N-211	16°42.23'S	30°9.32'E	19	< 1	< 0.1	17	30	1.58	3	59	2	< 10
2820	N-212	16°42.23'S	30°9.06'E	76	< 1	< 0.1	14	29	1.78	7	69	2	< 10
2821	N-213	16°42.24'S	30°8.76'E	31	< 1	< 0.1	15	40	2.83	5	62	2	< 10
2822	I-785	16°43.87'S	30°8.77'E	31	< 1	< 0.1	23	145	3.90	15	44	< 2	< 10
2823	I-786	16°43.85'S	30°9.04'E	140	5	< 0.1	36	151	5.25	19	95	74	< 10
2824	I-787	16°43.85'S	30°9.33'E	101	2	< 0.1	14	864	3.48	20	75	60	< 10
2825	I-788	16°43.83'S	30°9.61'E	30	4	< 0.1	18	39	1.75	15	79	< 2	< 10
2826	I-789	16°43.84'S	30°9.89'E	15	5	< 0.1	21	59	2.09	12	37	< 2	< 10
2827	I-790	16°43.85'S	30°10.19'E	118	8	< 0.1	34	145	3.91	27	83	< 2	< 10
2828	I-791	16°43.86'S	30°10.46'E	177	9	0.2	32	123	3.31	15	46	< 2	< 10
2829	I-792	16°43.86'S	30°10.75'E	35	4	0.1	33	75	2.43	16	71	< 2	< 10
2830	I-793	16°43.86'S	30°11.02'E	12	7	< 0.1	40	43	1.24	7	30	73	< 10
2831	I-794	16°43.85'S	30°11.31'E	27	8	< 0.1	35	72	2.09	13	126	< 2	< 10
2832	I-795	16°44.11'S	30°11.29'E	25	3	< 0.1	37	70	2.67	17	44	< 2	< 10
2833	I-796	16°44.12'S	30°11.59'E	18	< 1	< 0.1	43	35	1.82	20	123	< 2	< 10
2834	I-797	16°44.12'S	30°11.03'E	12	< 1	< 0.1	21	36	1.53	10	21	< 2	< 10
2835	I-798	16°44.12'S	30°10.74'E	9	< 1	< 0.1	18	32	1.39	9	92	< 2	< 10
2836	I-799	16°44.12'S	30°10.46'E	5	5	< 0.1	34	43	1.27	6	28	< 2	< 10
2837	I-800	16°44.12'S	30°10.18'E	9	1	< 0.1	21	27	1.27	7	41	< 2	< 10
2838	I-801	16°44.12'S	30°9.88'E	24	5	< 0.1	35	99	2.76	18	376	44	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
2839	I-802	16°44.12'S	30°9.60'E	21	6	< 0.1	27	64	2.36	12	68	32	< 10
2840	I-803	16°44.12'S	30°9.30'E	215	16	< 0.1	28	331	5.61	29	98	25	10
2841	I-804	16°44.12'S	30°9.06'E	99	5	< 0.1	19	132	3.99	20	103	< 2	10
2842	I-805	16°44.12'S	30°8.85'E	19	< 1	< 0.1	19	31	1.25	9	45	< 2	< 10
2843	N-214	16°37.06'S	30°9.32'E	24	< 1	0.3	13	190	1.43	2	34	23	10
2844	N-215	16°37.06'S	30°9.04'E	27	< 1	0.1	19	71	2.45	8	44	47	10
2845	N-216	16°37.04'S	30°8.77'E	47	< 1	< 0.1	33	285	2.82	9	79	29	< 10
2846	N-217	16°37.07'S	30°8.48'E	34	< 1	< 0.1	6	61	2.77	9	110	< 2	< 10
2847	N-218	16°37.07'S	30°8.21'E	39	< 1	< 0.1	20	65	2.54	8	84	< 2	< 10
2848	N-219	16°37.05'S	30°7.93'E	96	< 1	0.2	56	1932	3.55	14	94	3	< 10
2849	N-220	16°37.05'S	30°7.65'E	58	< 1	< 0.1	11	117	3.76	11	65	< 2	< 10
2850	N-221	16°37.06'S	30°7.39'E	43	< 1	< 0.1	19	83	3.35	11	103	< 2	< 10
2851	N-222	16°36.79'S	30°7.38'E	70	< 1	< 0.1	40	145	5.78	14	135	< 2	< 10
2852	N-224	16°36.80'S	30°7.91'E	87	< 1	0.1	50	167	4.48	14	161	< 2	< 10
2853	N-225	16°36.78'S	30°8.20'E	61	< 1	< 0.1	24	70	3.32	8	73	< 2	< 10
2854	N-226	16°36.78'S	30°8.47'E	59	< 1	< 0.1	29	139	4.91	7	27	< 2	< 10
2855	N-227	16°36.79'S	30°8.78'E	53	< 1	< 0.1	28	74	3.25	10	52	< 2	< 10
2856	N-228	16°36.80'S	30°9.06'E	13	< 1	< 0.1	13	28	1.12	< 1	33	< 2	< 10
2857	S-674	16°43.59'S	30°9.05'E	31	3	0.3	27	150	2.94	9	45	< 2	< 10
2858	S-675	16°43.57'S	30°9.33'E	21	< 1	0.2	26	125	1.54	2	30	< 2	< 10
2859	S-676	16°43.59'S	30°9.61'E	23	1	0.2	36	105	2.63	6	29	2	< 10
2860	S-677	16°43.58'S	30°9.88'E	76	5	< 0.1	37	139	3.51	12	48	< 2	10
2861	S-678	16°43.58'S	30°10.17'E	117	2	0.3	34	183	3.19	10	47	< 2	10
2862	S-679	16°43.58'S	30°10.46'E	126	2	< 0.1	35	96	3.19	10	41	< 2	10
2863	S-680	16°43.57'S	30°10.76'E	39	1	< 0.1	37	58	2.62	9	36	< 2	< 10
2864	S-681	16°43.57'S	30°11.02'E	73	1	< 0.1	36	63	2.48	10	32	< 2	10
2865	S-682	16°43.58'S	30°11.31'E	42	< 1	< 0.1	29	838	2.08	12	62	53	< 10
2866	S-683	16°43.31'S	30°11.30'E	35	1	< 0.1	35	56	2.21	8	30	< 2	10
2867	S-684	16°43.01'S	30°11.31'E	22	< 1	< 0.1	27	39	1.91	6	17	< 2	< 10
2868	S-685	16°42.76'S	30°11.02'E	14	< 1	< 0.1	42	48	1.48	6	10	< 2	10
2869	S-686	16°43.04'S	30°11.02'E	39	< 1	< 0.1	37	84	3.47	10	21	< 2	10
2870	S-687	16°43.31'S	30°11.02'E	53	< 1	0.4	32	86	3.12	10	50	< 2	10
2871	S-688	16°43.31'S	30°10.75'E	43	< 1	< 0.1	27	58	2.76	9	43	< 2	< 10
2872	S-689	16°43.03'S	30°10.74'E	13	< 1	< 0.1	26	26	1.13	3	8	< 2	10
2873	S-690	16°42.76'S	30°10.75'E	18	< 1	< 0.1	26	29	1.33	3	31	< 2	< 10
2874	S-691	16°42.75'S	30°10.45'E	11	< 1	< 0.1	25	960	1.31	2	5	84	< 10
2875	S-692	16°43.00'S	30°10.41'E	19	< 1	< 0.1	21	35	1.54	4	9	< 2	< 10
2876	S-693	16°43.32'S	30°10.44'E	25	< 1	< 0.1	18	45	2.26	11	36	< 2	< 10
2877	S-694	16°43.35'S	30°10.22'E	4	< 1	< 0.1	16	32	1.15	5	91	< 2	< 10
2878	S-695	16°43.30'S	30°9.86'E	7	< 1	< 0.1	15	18	1.12	4	5	< 2	< 10
2879	S-696	16°43.32'S	30°9.58'E	41	< 1	< 0.1	19	95	2.49	6	27	< 2	< 10
2880	S-697	16°43.31'S	30°9.33'E	13	1	< 0.1	21	25	1.30	4	29	< 2	< 10
2881	S-698	16°43.32'S	30°9.05'E	9	< 1	< 0.1	10	18	1.40	7	31	14	< 10
2882	I-806	16°44.39'S	30°9.06'E	10	16	< 0.1	14	38	1.88	8	89	< 2	< 10
2883	I-807	16°44.39'S	30°9.34'E	69	2	< 0.1	21	90	3.03	14	118	2	< 10
2884	I-808	16°44.39'S	30°9.61'E	16	4	< 0.1	32	55	2.31	14	60	< 2	< 10
2885	I-809	16°44.39'S	30°9.89'E	9	4	< 0.1	23	28	1.37	7	123	< 2	< 10
2886	I-810	16°44.40'S	30°10.18'E	13	2	< 0.1	22	44	1.46	8	134	< 2	< 10
2887	I-811	16°44.39'S	30°10.46'E	11	1	< 0.1	24	69	2.22	13	236	< 2	< 10
2888	I-812	16°44.39'S	30°10.74'E	82	13	< 0.1	41	115	2.36	15	65	< 2	< 10
2889	I-813	16°44.39'S	30°11.02'E	55	3	< 0.1	27	48	1.54	11	98	< 2	< 10
2890	I-814	16°44.39'S	30°11.30'E	11	6	< 0.1	22	24	1.04	7	40	< 2	< 10
2891	I-815	16°44.40'S	30°11.59'E	12	4	< 0.1	21	30	1.11	7	138	< 2	< 10
2892	I-816	16°44.66'S	30°11.59'E	19	8	< 0.1	51	45	1.80	13	47	< 2	< 10
2893	I-817	16°44.66'S	30°11.30'E	29	1	< 0.1	17	47	2.10	19	355	< 2	< 10
2894	I-818	16°44.66'S	30°11.01'E	17	3	< 0.1	38	35	1.45	7	70	36	< 10
2895	I-819	16°44.66'S	30°10.73'E	22	5	< 0.1	39	154	1.87	13	30	< 2	< 10
2896	I-820	16°44.66'S	30°10.46'E	14	13	< 0.1	24	51	2.06	9	48	2	< 10
2897	I-821	16°44.66'S	30°10.17'E	18	5	< 0.1	31	56	2.08	11	55	4	< 10
2898	I-822	16°44.65'S	30°9.89'E	25	8	< 0.1	45	108	3.67	23	88	< 2	< 10
2899	I-823	16°44.66'S	30°9.62'E	19	6	< 0.1	42	249	4.04	14	69	31	< 10
2900	I-824	16°44.66'S	30°9.33'E	222	10	< 0.1	32	133	5.88	28	164	2	< 10
2901	I-825	16°44.66'S	30°9.05'E	123	10	< 0.1	34	132	4.75	26	75	< 2	< 10
2902	I-826	16°44.65'S	30°8.78'E	10	2	< 0.1	20	21	0.83	6	101	< 2	< 10
2903	I-827	16°44.44'S	30°8.77'E	74	6	< 0.1	19	84	3.57	20	61	< 2	< 10
2904	S-699	16°43.31'S	30°8.78'E	110	3	0.2	32	93	4.07	16	50	< 2	< 10
2905	S-700	16°43.58'S	30°8.76'E	156	6	0.2	24	128	5.87	15	69	2	< 10
2906	S-701	16°43.58'S	30°8.49'E	57	2	< 0.1	25	102	3.62	7	44	< 2	< 10
2907	S-702	16°43.31'S	30°8.48'E	154	4	0.1	36	1199	5.25	25	58	< 2	< 10
2908	S-703	16°43.03'S	30°8.48'E	16	< 1	< 0.1	14	112	2.10	5	26	< 2	< 10
2909	S-704	16°43.02'S	30°8.20'E	52	< 1	0.1	31	106	3.20	8	23	< 2	< 10
2910	S-705	16°43.26'S	30°8.21'E	31	1	0.2	31	85	2.49	11	26	< 2	< 10
2911	S-706	16°43.01'S	30°8.04'E	3	< 1	0.1	13	35	1.55	3	24	< 2	< 10
2912	S-707	16°42.76'S	30°7.90'E	4	7	0.2	21	65	2.16	11	66	< 2	< 10
2913	S-708	16°42.76'S	30°8.19'E	5	3	< 0.1	11	12	0.80	3	11	< 2	< 10
2914	S-709	16°42.77'S	30°8.49'E	5	1	1.0	19	28	1.53	6	38	< 2	< 10
2915	S-710	16°42.76'S	30°8.77'E	28	3	0.1	17	64	2.27	6	37	4	< 10
2916	S-711	16°42.75'S	30°9.05'E	26	< 1	< 0.1	28	74	2.28	9	38	3	< 10
2917	S-712	16°42.76'S	30°9.34'E	7	< 1	< 0.1	18	29	1.16	5	23	< 2	< 10
2918	S-713	16°42.76'S	30°9.62'E	25	1	0.2	20	594	2.65	9	41	54	< 10
2919	S-714	16°42.76'S	30°9.88'E	5	< 1	0.2	14	36	1.25	3	22	42	< 10
2920	S-715	16°42.77'S	30°10.18'E	6	< 1	< 0.1	15	35	1.27	5	15	< 2	< 10
2921	S-716	16°43.03'S	30°10.18'E	1	< 1	< 0.1	11	34	0.86	3	25	< 2	< 10
2922	S-717	16°43.04'S	30°9.89'E	5	< 1	0.3	13	21	1.05	4	8	< 2	< 10
2923	S-718	16°43.03'S	30°9.61'E	39	5	0.3	26	112	2.92	10	71	2	< 10
2924	S-719	16°43.03'S	30°9.32'E	7	2	< 0.1	19	109	2.18	6	65	59	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
2925	S-720	16°43.06'S	30°9.12'E	38		0.1	16	78	2.69	9	41	2	< 10
2926	S-721	16°42.98'S	30°8.78'E	5	< 1	0.3	21	36	1.55	4	19	< 2	< 10
2927	N-223	16°36.79'S	30°7.64'E	54	< 1	< 0.1	45	719	5.32	12	89	< 2	< 10
2928	I-828	16°44.92'S	30°9.05'E	56	6	< 0.1	26	87	4.20	24	77	< 2	< 10
2929	I-829	16°44.93'S	30°9.41'E	67	7	< 0.1	88	307	1.59	15	50	< 2	< 10
2930	I-830	16°44.94'S	30°9.61'E	64	8	< 0.1	28	79	3.24	15	73	2	< 10
2931	I-831	16°44.92'S	30°9.89'E	25	12	< 0.1	35	119	4.58	22	79	4	< 10
2932	I-832	16°44.92'S	30°10.18'E	19	9	< 0.1	32	42	2.07	13	103	< 2	< 10
2933	I-833	16°44.93'S	30°10.46'E	27	< 1	< 0.1	37	199	2.82	18	110	18	< 10
2934	I-834	16°44.94'S	30°10.74'E	41	6	< 0.1	43	96	2.81	20	106	< 2	< 10
2935	I-835	16°44.93'S	30°11.03'E	80	10	< 0.1	54	114	3.35	19	46	< 2	< 10
2936	I-836	16°44.92'S	30°11.31'E	23	2	< 0.1	37	47	1.50	14	133	< 2	< 10
2937	I-837	16°44.93'S	30°11.59'E	36	2	< 0.1	63	62	2.20	17	80	< 2	< 10
2938	I-838	16°45.19'S	30°11.59'E	25	3	< 0.1	62	47	2.13	11	64	< 2	< 10
2939	I-839	16°45.20'S	30°11.30'E	22	10	< 0.1	30	33	1.58	10	67	< 2	< 10
2940	I-840	16°45.20'S	30°11.02'E	23	< 1	< 0.1	28	49	1.74	13	77	< 2	< 10
2941	I-841	16°45.19'S	30°10.74'E	44	2	< 0.1	34	111	2.94	20	125	< 2	< 10
2942	I-842	16°45.19'S	30°10.45'E	13	< 1	< 0.1	34	38	1.76	13	104	2	< 10
2943	I-843	16°45.21'S	30°10.17'E	18	< 1	< 0.1	24	168	1.53	11	108	24	< 10
2944	I-844	16°45.21'S	30°9.88'E	16	< 1	< 0.1	28	55	2.76	10	55	< 2	< 10
2945	I-845	16°45.20'S	30°9.61'E	31	1	< 0.1	31	67	2.61	13	126	33	< 10
2946	I-846	16°45.20'S	30°9.33'E	59	9	< 0.1	23	65	3.12	15	63	2	< 10
2947	I-847	16°45.21'S	30°9.05'E	145	7	< 0.1	22	97	2.96	18	93	2	< 10
2948	I-848	16°45.21'S	30°8.77'E	96	2	< 0.1	27	98	4.31	24	103	< 2	< 10
2949	I-849	16°45.20'S	30°8.48'E	62	2	< 0.1	22	83	3.22	17	69	3	< 10
2950	I-850	16°44.94'S	30°8.77'E	65	4	< 0.1	25	121	2.01	11	47	< 2	< 10
2951	N-229	16°46.56'S	30°12.15'E	14	< 1	< 0.1	42	19	0.91	< 1	20	< 2	< 10
2952	N-230	16°46.55'S	30°11.87'E	29	< 1	< 0.1	49	72	2.50	3	75	< 2	< 10
2953	N-231	16°46.58'S	30°11.60'E	34	< 1	< 0.1	34	273	2.29	3	71	28	< 10
2954	N-232	16°46.57'S	30°11.32'E	33	< 1	< 0.1	33	76	2.93	5	125	2	< 10
2955	N-233	16°46.57'S	30°11.03'E	36	< 1	< 0.1	51	51	2.05	3	90	< 2	< 10
2956	N-234	16°46.55'S	30°10.76'E	24	< 1	< 0.1	36	52	2.28	4	37	< 2	< 10
2957	N-235	16°46.55'S	30°10.45'E	85	2	< 0.1	41	163	3.88	12	129	< 2	20
2958	N-236	16°46.57'S	30°10.18'E	87	4	< 0.1	28	216	3.65	9	58	23	< 10
2959	N-237	16°46.57'S	30°9.90'E	197	9	< 0.1	49	114	5.52	10	98	3	< 10
2960	N-238	16°46.57'S	30°9.62'E	27	< 1	0.5	20	39	2.08	6	47	< 2	< 10
2961	N-239	16°46.56'S	30°9.34'E	24	4	< 0.1	53	70	3.39	9	109	< 2	< 10
2962	N-240	16°46.57'S	30°9.06'E	80	3	< 0.1	28	977	2.67	8	35	< 2	< 10
2963	N-241	16°46.58'S	30°8.88'E	80	9	< 0.1	34	113	4.61	9	40	3	< 10
2964	N-242	16°46.55'S	30°8.49'E	142	5	< 0.1	26	98	5.61	13	50	2	< 10
2965	N-243	16°46.56'S	30°8.22'E	86	4	< 0.1	30	91	5.01	10	54	< 2	< 10
2966	N-244	16°46.57'S	30°7.93'E	29	5	< 0.1	24	69	3.37	8	71	2	< 10
2967	N-245	16°46.27'S	30°8.22'E	10	1	< 0.1	26	44	2.18	6	43	< 2	< 10
2968	N-246	16°46.28'S	30°8.46'E	44	15	< 0.1	30	263	4.63	7	45	15	10
2969	S-722	16°42.04'S	30°6.30'E	23	2	< 0.1	16	83	3.33	9	24	< 2	< 10
2970	S-723	16°41.67'S	30°5.97'E	85	49	0.2	32	140	4.67	14	40	< 2	< 10
2971	S-724	16°41.68'S	30°6.51'E	47	5	0.2	21	101	4.77	8	15	< 2	< 10
2972	S-725	16°41.69'S	30°6.23'E	4	< 1	0.1	23	41	1.97	3	27	< 2	< 10
2973	S-726	16°41.99'S	30°6.52'E	10	< 1	0.1	16	24	1.32	1	20	< 2	< 10
2974	S-727	16°42.22'S	30°6.50'E	17	< 1	0.2	7	151	2.64	13	47	62	20
2975	S-728	16°42.50'S	30°6.80'E	43	< 1	0.2	13	23	1.25	6	51	56	10
2976	S-729	16°42.77'S	30°7.08'E	15	< 1	0.2	16	226	3.53	11	34	16	10
2977	S-730	16°42.50'S	30°7.08'E	2	< 1	< 0.1	11	15	1.05	5	30	< 2	< 10
2978	S-731	16°42.22'S	30°6.81'E	2	< 1	< 0.1	13	19	1.22	5	44	< 2	< 10
2979	S-732	16°41.95'S	30°6.79'E	7	< 1	0.1	14	46	2.07	9	60	< 2	< 10
2980	S-733	16°41.68'S	30°6.78'E	18	< 1	0.1	12	79	2.90	12	44	< 2	< 10
2981	S-734	16°41.95'S	30°7.05'E	5	< 1	0.1	11	58	1.78	14	83	2	< 10
2982	S-735	16°42.24'S	30°7.08'E	25	< 1	0.1	15	43	1.93	7	33	< 2	< 10
2983	S-736	16°42.24'S	30°7.33'E	25	< 1	< 0.1	10	33	1.66	8	30	< 2	< 10
2984	S-737	16°42.52'S	30°7.37'E	16	< 1	0.1	15	84	3.43	13	36	< 2	< 10
2985	S-738	16°42.48'S	30°7.63'E	21	< 1	0.1	19	36	1.78	6	39	2	< 10
2986	S-739	16°42.75'S	30°7.64'E	24	< 1	0.1	17	107	3.22	10	38	< 2	< 10
2987	S-740	16°42.77'S	30°7.36'E	22	< 1	0.5	18	125	3.72	11	46	< 2	< 10
2988	S-741	16°43.03'S	30°7.08'E	92	2	0.2	16	98	4.09	13	49	2	< 10
2989	S-742	16°43.02'S	30°7.36'E	18	2	0.2	22	130	3.91	13	60	< 2	< 10
2990	S-743	16°43.05'S	30°7.65'E	21	< 1	0.3	23	143	3.44	10	40	< 2	< 10
2991	I-851	16°45.48'S	30°8.77'E	88	6	< 0.1	15	88	3.30	15	63	2	< 10
2992	I-852	16°45.48'S	30°9.05'E	52	2	< 0.1	17	34	1.89	13	36	< 2	< 10
2993	I-853	16°45.48'S	30°9.33'E	142	5	< 0.1	32	116	5.92	25	55	< 2	< 10
2994	I-854	16°45.49'S	30°9.61'E	85	5	< 0.1	35	119	5.23	38	99	2	< 10
2995	I-855	16°45.48'S	30°9.90'E	14	< 1	< 0.1	25	57	1.98	12	61	< 2	< 10
2996	I-856	16°45.47'S	30°10.18'E	10	2	< 0.1	26	619	2.12	10	47	45	< 10
2997	I-857	16°45.47'S	30°10.46'E	16	< 1	< 0.1	40	37	2.61	11	33	2	< 10
2998	I-858	16°45.48'S	30°10.74'E	68	11	< 0.1	43	316	3.86	22	74	< 2	< 10
2999	I-859	16°45.48'S	30°11.01'E	40	2	< 0.1	45	148	4.25	33	102	< 2	< 10
3000	I-860	16°45.47'S	30°11.30'E	30	< 1	< 0.1	28	64	2.03	15	33	< 2	< 10
3001	I-861	16°45.47'S	30°11.60'E	13	< 1	< 0.1	41	32	1.35	11	51	< 2	< 10
3002	I-862	16°45.48'S	30°11.87'E	25	< 1	< 0.1	30	49	2.09	8	33	< 2	< 10
3003	I-863	16°45.74'S	30°11.87'E	22	< 1	< 0.1	34	38	1.64	7	33	< 2	< 10
3004	I-864	16°45.75'S	30°11.59'E	9	< 1	< 0.1	45	20	0.73	6	17	< 2	< 10
3005	I-865	16°45.75'S	30°11.29'E	69	< 1	< 0.1	47	657	3.15	16	61	64	< 10
3006	I-866	16°45.76'S	30°11.02'E	69	< 1	< 0.1	46	155	3.24	23	73	2	< 10
3007	I-867	16°45.75'S	30°10.74'E	51	2	< 0.1	44	88	2.46	13	49	2	< 10
3008	I-868	16°45.74'S	30°10.45'E	20	1	< 0.1	50	52	3.30	11	97	2	< 10
3009	I-869	16°45.74'S	30°10.18'E	13	< 1	< 0.1	28	42	2.07	10	28	2	< 10
3010	I-870	16°45.76'S	30°9.89'E	35	2	< 0.1	22	53	2.38	13	52	2	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
3011	I-871	16°45.76'S	30°9.61'E	108	2	< 0.1	35	144	4.81	26	110	< 2	< 10
3012	I-872	16°45.74'S	30°9.33'E	55	2	< 0.1	15	88	4.08	27	51	41	< 10
3013	I-873	16°45.77'S	30°9.04'E	321	4	< 0.1	10	95	5.15	24	66	2	10
3014	I-874	16°45.74'S	30°8.78'E	74	2	< 0.1	16	99	2.43	15	45	4	< 10
3015	I-875	16°45.74'S	30°8.58'E	92	4	< 0.1	< 2	81	3.03	16	59	3	10
3016	I-876	16°45.48'S	30°8.48'E	69	3	< 0.1	11	59	3.14	18	47	2	< 10
3017	S-744	16°42.50'S	30°8.47'E	8	< 1	0.1	23	224	0.62	1	13	31	< 10
3018	S-745	16°42.50'S	30°8.20'E	9	< 1	0.1	30	56	1.88	9	58	2	< 10
3019	S-746	16°42.49'S	30°7.92'E	17	4	0.3	23	103	2.65	16	84	< 2	< 10
3020	S-747	16°42.21'S	30°7.65'E	22	3	0.4	28	57	3.10	11	42	< 2	< 10
3021	S-748	16°41.96'S	30°7.36'E	41	5	0.5	35	153	3.41	15	94	< 2	< 10
3022	S-749	16°41.69'S	30°7.07'E	20	4	0.3	30	369	3.14	8	62	60	< 10
3023	S-750	16°41.67'S	30°7.37'E	15	5	0.2	21	68	3.22	8	59	3	< 10
3024	S-751	16°41.71'S	30°7.62'E	15	2	0.5	11	48	2.53	10	47	< 2	< 10
3025	S-752	16°41.96'S	30°7.63'E	43	2	0.2	34	132	4.18	12	47	< 2	< 10
3026	S-753	16°42.21'S	30°7.93'E	16	9	0.2	13	71	2.75	11	56	2	< 10
3027	S-754	16°41.97'S	30°7.93'E	10	2	< 0.1	15	68	2.26	11	44	3	< 10
3028	S-755	16°41.67'S	30°7.92'E	14	< 1	0.2	28	82	2.13	10	42	< 2	< 10
3029	S-756	16°41.71'S	30°8.19'E	12	3	< 0.1	8	85	1.96	10	50	2	< 10
3030	S-757	16°41.94'S	30°8.21'E	12	< 1	0.1	22	56	2.49	8	49	< 2	< 10
3031	S-758	16°42.22'S	30°8.25'E	14	< 1	< 0.1	27	65	2.77	6	49	2	< 10
3032	S-759	16°42.22'S	30°8.48'E	31	< 1	0.2	25	230	2.13	5	21	32	< 10
3033	I-877	16°46.02'S	30°8.75'E	134	3	< 0.1	26	150	6.77	31	58	2	< 10
3034	I-878	16°46.02'S	30°9.05'E	83	< 1	< 0.1	27	103	4.24	25	144	2	< 10
3035	I-879	16°46.02'S	30°9.34'E	152	4	< 0.1	32	138	4.70	30	106	2	< 10
3036	I-880	16°46.03'S	30°9.61'E	148	5	< 0.1	28	136	5.41	23	114	< 2	< 10
3037	I-881	16°46.03'S	30°9.89'E	9	< 1	< 0.1	24	68	2.63	13	40	< 2	< 10
3038	I-882	16°46.02'S	30°10.18'E	33	< 1	< 0.1	17	57	2.42	17	23	< 2	< 10
3039	I-883	16°46.02'S	30°10.47'E	10	4	< 0.1	35	64	3.28	10	42	4	< 10
3040	I-884	16°46.02'S	30°10.74'E	84	5	< 0.1	23	121	2.98	18	51	< 2	< 10
3041	I-885	16°46.02'S	30°11.02'E	8	< 1	< 0.1	20	45	1.75	8	29	< 2	< 10
3042	I-886	16°46.03'S	30°11.30'E	25	< 1	< 0.1	30	91	2.89	15	44	< 2	< 10
3043	I-887	16°46.02'S	30°11.59'E	6	< 1	< 0.1	39	468	0.88	7	20	51	< 10
3044	I-888	16°46.02'S	30°11.87'E	13	2	< 0.1	26	50	1.81	11	79	38	< 10
3045	I-889	16°46.29'S	30°11.86'E	7	< 1	< 0.1	32	22	0.81	7	22	< 2	< 10
3046	I-890	16°46.29'S	30°11.57'E	26	< 1	< 0.1	24	138	3.66	16	37	< 2	< 10
3047	I-891	16°46.29'S	30°11.29'E	17	< 1	< 0.1	32	64	1.93	12	33	< 2	< 10
3048	I-892	16°46.29'S	30°11.03'E	12	< 1	< 0.1	11	47	2.10	10	21	< 2	< 10
3049	I-893	16°46.29'S	30°10.74'E	25	< 1	< 0.1	17	75	2.79	15	70	30	< 10
3050	I-894	16°46.30'S	30°10.46'E	9	< 1	< 0.1	7	77	2.17	10	42	2	< 10
3051	I-895	16°46.28'S	30°10.18'E	8	< 1	< 0.1	12	59	2.38	11	52	2	< 10
3052	I-896	16°46.29'S	30°9.89'E	141	3	< 0.1	22	150	3.99	24	68	< 2	< 10
3053	I-897	16°46.31'S	30°9.61'E	7	< 1	< 0.1	< 2	21	0.93	9	28	< 2	< 10
3054	I-898	16°46.28'S	30°9.33'E	225	6	< 0.1	25	159	5.73	27	84	2	< 10
3055	I-899	16°46.31'S	30°9.04'E	117	4	< 0.1	26	114	4.87	30	112	2	< 10
3056	I-900	16°46.28'S	30°8.78'E	68	2	< 0.1	12	77	4.09	21	95	2	< 10
3057	I-901	16°46.03'S	30°8.55'E	49	3	< 0.1	16	72	2.95	13	56	54	10
3058	I-902	16°46.02'S	30°8.20'E	82	3	< 0.1	10	68	3.50	18	49	42	10
3059	S-760	17°23.25'S	29°59.90'E	31	< 1	< 0.1	7	7	0.84	4	31	< 2	< 10
3060	S-761	17°22.99'S	29°59.90'E	85	< 1	0.1	7	< 2	0.28	2	14	< 2	< 10
3061	S-762	17°22.71'S	29°59.91'E	181	6	0.5	19	35	1.34	11	73	3	10
3062	S-763	17°22.44'S	29°59.90'E	37	< 1	< 0.1	9	14	1.00	5	24	< 2	< 10
3063	S-764	17°22.16'S	29°59.91'E	28	< 1	< 0.1	11	9	0.91	5	32	< 2	< 10
3064	S-765	17°21.90'S	29°59.91'E	11	5	< 0.1	6	10	1.11	5	43	< 2	< 10
3065	S-766	17°21.63'S	29°59.90'E	13	< 1	< 0.1	8	5	0.83	3	22	< 2	< 10
3066	S-767	17°21.35'S	29°59.90'E	42	< 1	0.1	6	24	1.84	8	40	< 2	< 10
3067	S-768	17°21.00'S	29°59.90'E	46	< 1	0.2	7	17	1.05	6	44	< 2	< 10
3068	S-769	17°20.81'S	29°59.90'E	43	1	< 0.1	< 2	118	2.04	7	48	26	< 10
3069	S-770	17°20.54'S	29°59.90'E	82	3	0.1	24	1070	1.91	8	54	2	10
3070	S-771	17°20.29'S	29°59.89'E	61	1	< 0.1	16	30	1.64	4	41	53	< 10
3071	S-772	17°20.01'S	29°59.90'E	62	1	< 0.1	24	1152	2.65	6	42	2	< 10
3072	S-773	17°19.72'S	29°59.89'E	85	3	< 0.1	16	50	2.85	11	81	3	< 10
3073	S-774	17°19.46'S	29°59.89'E	51	1	0.1	15	20	1.37	6	44	2	< 10
3074	S-775	17°19.44'S	29°59.59'E	38	1	< 0.1	13	21	1.63	7	52	2	< 10
3075	S-776	17°19.73'S	29°59.62'E	58	2	< 0.1	18	1393	2.50	6	53	2	< 10
3076	S-777	17°20.00'S	29°59.63'E	68	< 1	0.2	15	31	1.99	6	47	< 2	< 10
3077	S-778	17°20.27'S	29°59.63'E	72	< 1	< 0.1	20	32	2.16	7	42	< 2	10
3078	S-779	17°20.55'S	29°59.63'E	66	1	< 0.1	25	41	1.94	5	55	2	10
3079	S-780	17°20.82'S	29°59.60'E	98	< 1	0.1	21	38	1.57	7	49	< 2	40
3080	S-781	17°21.08'S	29°59.61'E	34	< 1	< 0.1	9	14	1.64	5	41	2	10
3081	S-782	17°21.36'S	29°59.66'E	406	< 1	< 0.1	10	555	1.25	7	81	33	< 10
3082	S-783	17°21.63'S	29°59.62'E	23	< 1	< 0.1	9	4	0.76	2	40	< 2	< 10
3083	S-784	17°21.90'S	29°59.62'E	118	< 1	0.2	13	26	1.56	5	44	4	< 10
3084	S-785	17°22.17'S	29°59.62'E	58	1	< 0.1	26	30	1.68	5	44	2	< 10
3085	S-786	17°22.45'S	29°59.62'E	67	2	< 0.1	18	36	1.83	8	119	< 2	< 10
3086	S-787	17°22.70'S	29°59.63'E	45	1	0.2	18	21	1.28	7	52	< 2	< 10
3087	S-788	17°22.98'S	29°59.63'E	70	5	0.4	27	35	2.08	13	208	< 2	10
3088	I-903	17°24.62'S	30°4.13'E	355	5	0.6	10	286	1.68	12	53	39	30
3089	I-904	17°24.60'S	30°3.86'E	64	5	0.2	4	49	2.61	10	97	4	< 10
3090	I-905	17°24.60'S	30°3.56'E	87	3	< 0.1	< 2	19	1.11	4	47	3	10
3091	I-906	17°24.61'S	30°3.28'E	59	5	0.1	13	14	1.00	6	21	2	10
3092	I-907	17°24.61'S	30°3.01'E	111	6	0.4	16	90	2.72	8	75	3	10
3093	I-908	17°24.61'S	30°2.72'E	48	2	0.3	11	56	1.26	5	40	2	10
3094	I-909	17°24.61'S	30°2.44'E	70	3	0.4	10	50	1.37	4	49	< 2	10
3095	I-910	17°24.61'S	30°2.15'E	60	6	< 0.1	< 2	25	0.99	5	25	< 2	20
3096	I-911	17°24.60'S	30°1.87'E	160	7	0.3	21	81	2.96	8	62	2	30

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)	
3097	I-912	17°24.60'S	30° 1.59'E	71	5	0.3	23	78	2.25	7	63	<	2	10
3098	I-913	17°24.62'S	30° 1.31'E	47	1	0.3	4	12	0.63	3	23	<	2	10
3099	I-914	17°24.61'S	30° 1.03'E	52	1	< 0.1	<	11	0.77	3	24	<	2	< 10
3100	I-915	17°24.62'S	30° 0.76'E	47	1	0.1	4	11	0.74	4	13	<	2	10
3101	I-916	17°24.61'S	30° 0.46'E	244	6	0.2	25	125	4.90	28	82	<	2	20
3102	I-917	17°24.62'S	30° 0.18'E	228	6	< 0.1	15	57	2.39	17	61	24	<	30
3103	I-918	17°24.60'S	29°59.90'E	150	7	0.1	8	132	1.82	9	37	<	2	20
3104	I-919	17°24.61'S	29°59.62'E	52	<	1	<	14	0.92	3	37	<	2	10
3105	I-920	17°24.61'S	29°59.34'E	60	2	< 0.1	14	18	1.37	6	49	<	2	10
3106	I-921	17°24.61'S	29°59.05'E	60	1	< 0.1	6	9	0.75	6	41	<	2	10
3107	I-922	17°24.62'S	29°58.77'E	31	<	1	0.1	3	0.35	2	17	<	2	< 10
3108	I-923	17°24.88'S	29°58.77'E	74	<	1	< 0.1	15	0.93	7	36	<	9	10
3109	I-924	17°24.89'S	29°59.05'E	43	1	< 0.1	5	10	0.73	4	32	<	2	10
3110	I-925	17°24.88'S	29°59.34'E	26	<	1	< 0.1	<	0.39	<	15	<	2	< 10
3111	I-926	17°24.88'S	29°59.61'E	12	<	1	< 0.1	8	0.42	<	8	<	2	< 10
3112	I-927	17°24.89'S	29°59.90'E	40	2	< 0.1	5	14	1.22	6	18	<	2	< 10
3113	I-928	17°24.89'S	30° 0.16'E	37	2	< 0.1	7	11	1.15	6	16	<	2	< 10
3114	S-789	17°22.72'S	29°59.33'E	54	2	0.1	26	39	2.19	7	83	<	2	10
3115	S-790	17°22.43'S	29°59.34'E	59	1	0.2	26	57	3.01	8	74	<	2	10
3116	S-791	17°22.17'S	29°59.33'E	41	1	< 0.1	19	553	1.58	5	38	59	<	10
3117	S-792	17°21.90'S	29°59.34'E	57	<	1	< 0.1	26	1.18	6	33	<	2	< 10
3118	S-793	17°21.60'S	29°59.35'E	22	<	1	< 0.1	5	0.65	6	43	<	2	< 10
3119	S-794	17°21.33'S	29°59.34'E	47	<	1	< 0.1	9	0.79	6	81	<	2	< 10
3120	S-795	17°21.06'S	29°59.32'E	81	<	1	0.2	7	1.19	7	34	<	2	20
3121	S-796	17°21.63'S	29°59.04'E	18	<	1	0.2	4	0.46	4	35	<	2	< 10
3122	S-797	17°21.90'S	29°59.04'E	27	<	1	0.3	4	0.65	3	11	<	2	< 10
3123	S-798	17°22.18'S	29°59.05'E	37	<	1	< 0.1	5	0.97	<	42	19	<	< 10
3124	S-799	17°22.44'S	29°59.05'E	42	<	1	< 0.1	2	0.55	4	75	<	2	< 10
3125	S-800	17°22.71'S	29°59.05'E	37	<	1	0.3	6	0.68	6	73	<	2	< 10
3126	S-801	17°22.99'S	29°59.05'E	55	<	1	< 0.1	8	1.28	7	57	<	2	< 10
3127	S-802	17°23.25'S	29°59.05'E	44	<	1	< 0.1	13	1.19	6	80	<	2	< 10
3128	S-803	17°23.53'S	29°59.04'E	60	<	1	< 0.1	15	1.50	4	29	<	2	< 10
3129	S-804	17°23.52'S	29°59.33'E	127	<	1	< 0.1	8	0.92	2	49	<	2	< 10
3130	S-805	17°23.52'S	29°59.59'E	40	<	1	< 0.1	12	0.54	4	27	<	2	< 10
3131	S-806	17°23.24'S	29°59.63'E	50	<	1	< 0.1	4	1.15	8	41	<	2	< 10
3132	S-807	17°23.25'S	29°59.34'E	60	28	0.1	11	19	1.40	6	67	<	2	10
3133	S-808	17°22.97'S	29°59.33'E	102	3	0.4	4	30	1.92	11	79	<	2	20
3134	I-929	17°24.88'S	30° 4.13'E	86	4	0.2	14	49	1.98	13	79	<	2	10
3135	I-930	17°24.88'S	30° 3.84'E	94	4	< 0.1	12	30	1.78	12	57	<	2	10
3136	I-931	17°24.88'S	30° 3.55'E	51	2	< 0.1	23	26	1.13	8	28	<	2	10
3137	I-932	17°24.88'S	30° 3.27'E	17	8	< 0.1	17	18	1.03	3	29	<	2	< 10
3138	I-933	17°24.88'S	30° 3.00'E	138	6	< 0.1	22	278	3.10	11	77	29	<	30
3139	I-934	17°24.88'S	30° 2.71'E	10	2	< 0.1	13	95	1.43	7	61	<	2	< 10
3140	I-935	17°24.88'S	30° 2.44'E	30	2	< 0.1	10	16	0.64	2	44	<	2	< 10
3141	I-936	17°24.88'S	30° 2.15'E	77	11	0.2	18	96	2.54	17	96	<	2	10
3142	I-937	17°24.88'S	30° 1.87'E	38	1	< 0.1	15	20	0.82	2	16	<	2	10
3143	I-938	17°24.88'S	30° 1.59'E	757	3	0.2	8	37	1.96	7	22	<	2	10
3144	I-939	17°24.88'S	30° 1.32'E	93	13	< 0.1	4	77	3.05	8	70	<	2	10
3145	I-940	17°24.88'S	30° 1.04'E	55	2	< 0.1	9	34	1.25	9	53	<	2	10
3146	I-941	17°24.88'S	30° 0.74'E	130	2	< 0.1	5	17	0.62	3	21	<	2	< 10
3147	I-942	17°24.88'S	30° 0.47'E	134	3	0.2	6	15	0.77	3	20	<	2	10
3148	I-943	17°25.15'S	30° 0.46'E	20	2	< 0.1	<	83	0.64	2	16	16	<	< 10
3149	I-944	17°25.15'S	30° 0.74'E	24	1	< 0.1	6	12	0.66	5	92	<	2	< 10
3150	I-945	17°25.14'S	30° 1.04'E	46	7	< 0.1	14	115	3.28	12	113	58	<	10
3151	I-946	17°25.15'S	30° 1.30'E	68	25	< 0.1	34	93	3.08	10	79	<	2	10
3152	I-947	17°25.15'S	30° 1.59'E	88	3	0.2	19	22	1.23	4	37	<	2	10
3153	I-948	17°25.14'S	30° 1.87'E	79	19	0.2	33	79	1.77	9	68	<	2	20
3154	I-949	17°25.15'S	30° 2.15'E	75	5	0.4	13	85	2.78	13	105	<	2	20
3155	I-950	17°25.16'S	30° 2.44'E	22	2	< 0.1	19	40	0.63	3	38	<	2	< 10
3156	I-951	17°25.15'S	30° 2.72'E	35	3	< 0.1	7	35	1.12	6	75	<	2	10
3157	I-952	17°25.15'S	30° 3.00'E	30	3	< 0.1	<	15	0.95	6	23	<	2	10
3158	I-953	17°25.15'S	30° 3.28'E	55	5	< 0.1	13	23	0.76	5	76	<	2	20
3159	I-954	17°25.15'S	30° 3.57'E	13	1	< 0.1	20	15	1.12	6	45	<	2	< 10
3160	I-955	17°25.13'S	30° 3.88'E	115	2	< 0.1	15	45	1.11	6	47	<	2	50
3161	S-809	17°23.52'S	29°59.90'E	52	2	0.4	11	11	0.92	5	32	<	2	10
3162	S-810	17°23.79'S	29°59.90'E	44	<	1	0.2	6	0.75	8	31	<	2	10
3163	S-811	17°23.79'S	29°59.62'E	32	<	1	0.2	14	0.47	5	34	<	2	< 10
3164	S-812	17°23.79'S	29°59.33'E	34	<	1	0.1	<	0.68	9	26	<	2	< 10
3165	S-813	17°23.79'S	29°59.05'E	34	<	1	< 0.1	7	0.71	4	19	36	<	10
3166	S-814	17°23.79'S	29°58.78'E	51	<	1	< 0.1	7	1.40	8	49	32	<	10
3167	S-815	17°24.08'S	29°58.76'E	20	<	1	< 0.1	8	0.22	2	14	<	2	< 10
3168	S-816	17°24.33'S	29°58.77'E	41	<	1	0.2	15	1.19	7	28	<	2	< 10
3169	S-817	17°24.33'S	29°59.05'E	21	<	1	0.2	<	0.48	7	132	<	2	< 10
3170	S-818	17°24.06'S	29°59.05'E	23	<	1	0.1	11	0.24	1	10	<	2	< 10
3171	S-819	17°24.06'S	29°59.33'E	21	<	1	0.2	9	0.46	4	76	<	3	< 10
3172	S-820	17°24.33'S	29°59.34'E	115	<	1	0.2	9	0.79	4	31	<	2	10
3173	S-821	17°24.33'S	29°59.61'E	57	<	1	0.1	6	1.39	5	98	<	2	< 10
3174	S-822	17°24.06'S	29°59.62'E	63	<	1	< 0.1	15	2.20	6	46	<	2	< 10
3175	S-823	17°24.05'S	29°59.91'E	46	<	1	0.3	6	0.51	10	91	<	2	< 10
3176	S-824	17°24.33'S	29°59.90'E	107	10	0.3	7	36	2.06	8	52	<	4	20
3177	S-825	17°24.33'S	30° 0.17'E	137	4	0.1	21	40	1.99	9	66	<	4	10
3178	S-826	17°24.05'S	30° 0.17'E	22	<	1	< 0.1	<	0.43	4	39	<	2	< 10
3179	S-827	17°23.78'S	30° 0.17'E	6	<	1	0.3	<	0.37	5	23	<	3	< 10
3180	S-828	17°23.51'S	30° 0.17'E	12	<	1	0.1	<	0.49	6	49	<	7	< 10
3181	S-829	17°23.53'S	30° 0.45'E	270	<	1	< 0.1	<	0.49	10	50	<	7	< 10
3182	S-830	17°23.52'S	30° 0.74'E	206	2	< 0.1	2	9	0.56	7	53	<	2	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
3183	S-831	17°23.52'S	30°1.04'E	17	< 1	< 0.1	4	6	0.50	10	51	< 2	< 10
3184	S-832	17°23.55'S	30°1.34'E	25	< 1	< 0.1	4	10	0.85	9	106	< 2	< 10
3185	S-833	17°23.51'S	30°1.59'E	131	< 1	< 0.1	7	17	1.02	7	54	< 2	< 10
3186	S-834	17°23.52'S	30°1.87'E	230	6	0.2	< 2	99	4.11	11	66	< 2	< 10
3187	S-835	17°23.52'S	30°2.15'E	85	62	0.2	7	13	1.01	9	105	< 2	20
3188	S-836	17°23.79'S	30°2.16'E	54	3	< 0.1	5	20	1.38	10	180	< 2	< 10
3189	S-837	17°23.79'S	30°1.87'E	173	5	0.4	6	20	1.27	9	61	< 2	< 10
3190	S-838	17°23.79'S	30°1.59'E	257	< 1	< 0.1	2	< 2	0.40	8	120	< 2	< 10
3191	S-839	17°23.78'S	30°1.30'E	37	< 1	0.2	2	6	0.72	11	137	< 2	< 10
3192	S-840	17°23.80'S	30°1.03'E	236	< 1	< 0.1	6	21	1.00	7	25	< 2	< 10
3193	I-956	17°25.42'S	30°3.43'E	17	2	< 0.1	5	222	0.84	5	39	15	10
3194	I-957	17°25.42'S	30°3.29'E	48	3	< 0.1	11	13	1.12	8	47	< 2	10
3195	I-958	17°25.43'S	30°3.00'E	54	8	< 0.1	10	18	1.30	10	62	< 2	10
3196	I-959	17°25.42'S	30°2.72'E	81	11	< 0.1	24	94	2.11	12	96	< 2	10
3197	I-960	17°25.42'S	30°2.43'E	34	11	< 0.1	11	48	1.56	6	100	< 2	< 10
3198	I-961	17°25.42'S	30°2.15'E	34	< 1	< 0.1	9	18	0.78	4	76	< 2	< 10
3199	I-962	17°25.42'S	30°1.87'E	279	4	0.2	27	64	2.54	13	97	< 2	20
3200	I-963	17°25.41'S	30°1.59'E	112	9	< 0.1	24	86	3.23	12	109	< 2	10
3201	I-964	17°25.42'S	30°1.31'E	95	346	1.5	23	76	2.93	12	54	< 2	20
3202	I-965	17°25.42'S	30°1.02'E	118	111	0.7	20	830	4.76	12	88	65	20
3203	I-966	17°25.42'S	30°0.73'E	24	1	< 0.1	9	9	0.83	4	75	< 2	< 10
3204	I-967	17°25.42'S	30°0.46'E	19	1	< 0.1	< 2	8	0.56	5	119	< 2	< 10
3205	I-968	17°25.69'S	30°0.47'E	19	2	0.4	5	11	0.81	3	42	< 2	< 10
3206	I-969	17°25.69'S	30°0.74'E	51	3	< 0.1	< 2	15	0.92	5	29	< 2	10
3207	I-970	17°25.69'S	30°1.03'E	51	2	< 0.1	8	18	1.23	5	107	< 2	10
3208	I-971	17°25.68'S	30°1.31'E	61	2	< 0.1	15	35	1.82	11	70	< 2	10
3209	I-972	17°25.69'S	30°1.59'E	57	4	< 0.1	17	47	2.26	7	77	49	10
3210	I-973	17°25.68'S	30°1.87'E	25	2	< 0.1	8	25	1.00	3	36	< 2	< 10
3211	I-974	17°25.70'S	30°2.15'E	82	2	< 0.1	10	47	1.10	5	57	< 2	20
3212	I-975	17°25.68'S	30°2.44'E	50	2	< 0.1	17	45	1.26	4	54	< 2	10
3213	I-976	17°25.67'S	30°2.72'E	64	2	< 0.1	32	26	1.30	7	48	< 2	20
3214	I-977	17°25.67'S	30°3.01'E	24	2	< 0.1	3	20	1.37	4	54	< 2	< 10
3215	I-978	17°25.68'S	30°3.29'E	66	2	< 0.1	4	51	1.16	6	62	< 2	10
3216	I-979	17°25.70'S	30°3.56'E	54	3	0.1	8	23	1.46	14	133	< 2	20
3217	N-247	17°25.97'S	30°3.29'E	23	3	< 0.1	29	34	1.65	11	50	3	10
3218	N-248	17°25.96'S	30°3.01'E	25	< 1	< 0.1	23	8	0.61	6	37	< 2	10
3219	N-249	17°25.96'S	30°2.73'E	23	< 1	< 0.1	13	16	0.93	6	54	< 2	10
3220	N-250	17°25.95'S	30°2.45'E	33	1	< 0.1	22	9	0.62	8	101	< 2	< 10
3221	N-251	17°25.96'S	30°2.17'E	21	1	< 0.1	20	15	0.80	9	28	< 2	< 10
3222	N-252	17°25.95'S	30°1.89'E	19	< 1	< 0.1	10	19	0.64	9	31	10	10
3223	N-253	17°25.96'S	30°1.57'E	59	4	< 0.1	25	34	1.39	9	42	< 2	20
3224	N-254	17°25.95'S	30°1.33'E	56	3	0.6	40	76	3.83	6	70	3	20
3225	N-255	17°25.96'S	30°1.04'E	81	3	< 0.1	21	29	1.33	8	48	< 2	20
3226	N-256	17°25.97'S	30°0.74'E	23	2	< 0.1	26	46	0.41	3	38	10	< 10
3227	N-257	17°25.97'S	30°0.45'E	20	< 1	< 0.1	13	7	0.48	5	42	< 2	10
3228	N-258	17°25.96'S	30°0.18'E	7	1	< 0.1	9	10	0.58	5	67	13	< 10
3229	N-259	17°26.23'S	30°0.19'E	4	1	< 0.1	21	4	0.59	4	30	< 2	< 10
3230	N-260	17°26.23'S	30°0.46'E	< 1	1	< 0.1	16	52	0.97	4	15	< 2	< 10
3231	N-261	17°26.24'S	30°0.74'E	37	5	< 0.1	21	11	1.05	5	48	< 2	10
3232	N-262	17°26.22'S	30°1.02'E	28	2	< 0.1	8	12	0.80	8	50	< 2	10
3233	N-263	17°26.23'S	30°1.32'E	52	3	< 0.1	39	126	4.60	8	51	< 2	20
3234	N-264	17°26.23'S	30°1.61'E	21	4	< 0.1	24	17	1.07	3	50	< 2	< 10
3235	N-265	17°26.21'S	30°1.89'E	22	2	0.1	17	27	1.16	4	57	2	10
3236	N-266	17°26.24'S	30°2.16'E	9	< 1	< 0.1	17	6	0.66	4	69	< 2	< 10
3237	N-267	17°26.23'S	30°2.45'E	1	< 1	0.1	17	7	0.50	2	51	< 2	< 10
3238	N-268	17°26.21'S	30°2.71'E	51	2	< 0.1	14	12	0.86	1	26	< 2	10
3239	N-269	17°26.23'S	30°3.00'E	18	3	< 0.1	20	48	0.54	2	29	4	< 10
3240	S-841	17°23.52'S	30°4.94'E	26	< 1	< 0.1	13	64	2.34	10	68	10	< 10
3241	S-842	17°23.52'S	30°4.69'E	41	< 1	0.1	16	53	2.27	12	36	8	< 10
3242	S-843	17°23.52'S	30°4.41'E	54	2	< 0.1	8	33	2.10	9	147	3	< 10
3243	S-844	17°23.52'S	30°4.12'E	121	7	0.1	11	499	2.43	11	69	70	20
3244	S-845	17°23.51'S	30°3.86'E	379	4	0.5	9	15	1.21	6	23	3	130
3245	S-846	17°23.52'S	30°3.56'E	349	9	0.5	11	49	3.04	11	73	4	110
3246	S-847	17°23.52'S	30°3.28'E	237	9	0.7	12	53	2.89	13	73	5	80
3247	S-848	17°23.52'S	30°2.99'E	36	< 1	0.2	< 2	14	0.88	7	20	< 2	< 10
3248	S-849	17°23.78'S	30°3.01'E	255	1	0.3	8	243	1.36	7	23	42	< 10
3249	S-850	17°24.05'S	30°3.00'E	150	< 1	0.4	17	45	1.25	8	98	2	< 10
3250	S-851	17°24.33'S	30°3.01'E	432	6	1.2	63	134	1.48	8	54	< 2	< 10
3251	S-852	17°24.34'S	30°3.28'E	116	6	0.3	15	51	2.25	11	150	< 2	20
3252	S-853	17°24.06'S	30°3.29'E	53	3	0.2	20	97	2.28	10	29	< 2	< 10
3253	S-854	17°23.78'S	30°3.27'E	32	< 1	< 0.1	4	13	0.85	8	77	< 2	< 10
3254	S-855	17°23.78'S	30°3.57'E	61	2	0.1	7	30	1.49	7	133	< 2	< 10
3255	S-856	17°23.80'S	30°3.85'E	50	1	< 0.1	19	33	1.13	7	48	< 2	10
3256	S-857	17°23.79'S	30°4.13'E	82	9	0.3	22	56	3.00	10	89	2	10
3257	S-858	17°23.79'S	30°4.41'E	153	< 1	0.1	8	19	1.29	8	49	< 2	< 10
3258	S-859	17°23.80'S	30°4.69'E	39	< 1	0.1	25	482	2.53	9	56	54	< 10
3259	S-860	17°24.02'S	30°4.59'E	49	< 1	< 0.1	20	91	2.84	8	44	13	10
3260	S-861	17°24.06'S	30°4.41'E	75	< 1	0.1	32	45	2.02	12	48	4	10
3261	S-862	17°24.06'S	30°4.13'E	69	6	0.1	12	63	3.73	13	83	3	10
3262	S-863	17°24.06'S	30°3.86'E	33	< 1	< 0.1	6	5	0.75	7	19	< 2	< 10
3263	S-864	17°24.06'S	30°3.57'E	81	14	0.2	16	40	1.35	7	83	< 2	20
3264	S-865	17°24.33'S	30°3.57'E	46	93	< 0.1	5	8	0.98	9	23	< 2	< 10
3265	S-866	17°24.32'S	30°3.84'E	31	< 1	< 0.1	5	< 2	0.41	4	20	< 2	< 10
3266	S-867	17°24.32'S	30°4.13'E	68	2	0.3	29	1258	1.94	12	73	3	< 10
3267	S-868	17°24.33'S	30°4.46'E	33	< 1	< 0.1	22	62	2.18	8	62	9	< 10
3268	I-980	17°25.15'S	30°0.18'E	13	< 1	0.2	9	12	1.10	4	38	< 2	< 10



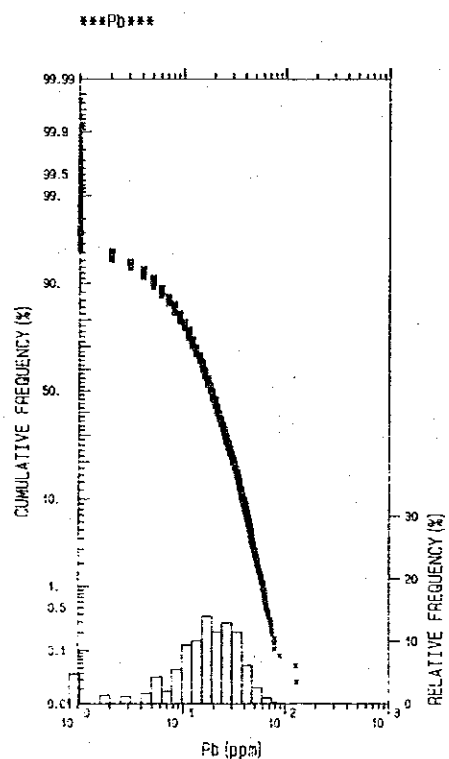
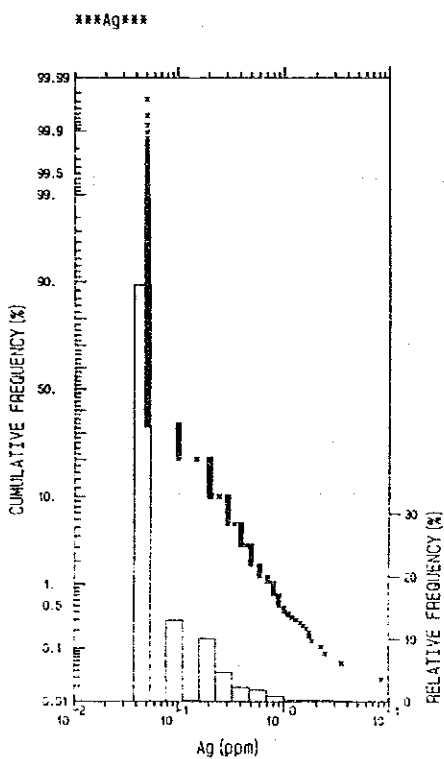
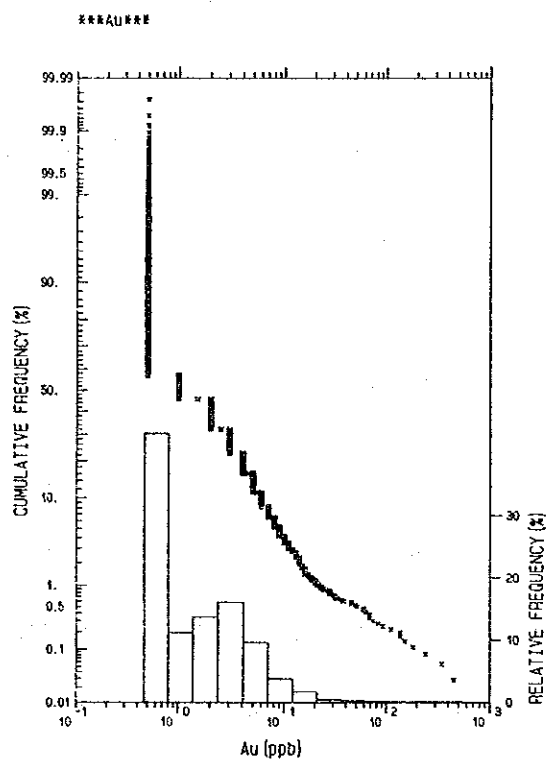
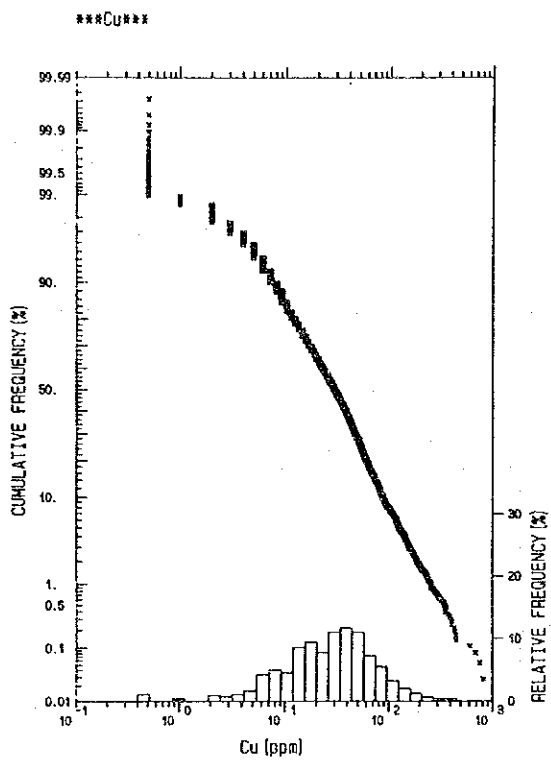
No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
3269	I-981	17° 25.15' S	29° 59.89' E	149	4	0.5	42	76	4.24	17	72	< 2	10
3270	I-982	17° 25.14' S	29° 59.62' E	22	5	< 0.1	22	23	1.27	7	42	< 2	< 10
3271	I-983	17° 25.14' S	29° 59.33' E	32	< 1	0.1	17	9	0.73	3	67	< 2	< 10
3272	I-984	17° 25.15' S	29° 59.05' E	45	2	< 0.1	25	17	1.05	10	47	< 2	< 10
3273	I-985	17° 25.16' S	29° 58.77' E	20	< 1	0.2	6	11	0.73	5	85	< 2	< 10
3274	I-986	17° 25.42' S	29° 58.78' E	44	1	0.4	28	16	1.01	7	27	< 2	< 10
3275	I-987	17° 25.42' S	29° 59.05' E	38	2	0.2	24	157	1.04	5	65	11	< 10
3276	I-988	17° 25.42' S	29° 59.33' E	62	1	0.3	26	21	1.53	9	48	3	< 10
3277	I-989	17° 25.42' S	29° 59.62' E	66	5	< 0.1	52	45	4.93	14	87	< 2	< 10
3278	I-990	17° 25.43' S	29° 59.90' E	64	1	0.1	30	15	1.44	5	26	< 2	< 10
3279	I-991	17° 25.43' S	30° 0.18' E	76	2	0.2	45	48	4.27	10	64	< 2	< 10
3280	I-992	17° 25.68' S	30° 0.15' E	41	1	0.2	33	23	2.09	5	84	< 2	< 10
3281	I-993	17° 25.69' S	29° 59.90' E	26	< 1	0.2	39	22	1.58	4	110	10	< 10
3282	I-994	17° 25.68' S	29° 59.62' E	63	2	< 0.1	33	30	2.58	8	77	< 2	< 10
3283	I-995	17° 25.68' S	29° 59.32' E	53	< 1	0.1	36	29	1.48	7	81	< 2	< 10
3284	I-996	17° 25.70' S	29° 59.05' E	82	1	0.2	35	54	2.30	7	63	< 2	< 10
3285	I-997	17° 25.69' S	29° 58.77' E	93	3	0.3	41	66	2.26	15	110	< 2	< 10
3286	I-998	17° 25.96' S	29° 58.50' E	45	< 1	0.2	73	21	1.56	11	73	< 2	< 10
3287	I-999	17° 25.96' S	29° 58.76' E	70	1	0.1	46	26	2.05	12	90	< 2	< 10
3288	I-1000	17° 25.96' S	29° 59.05' E	36	3	0.1	28	18	2.01	8	52	< 2	< 10
3289	S-869	17° 23.84' S	30° 0.77' E	344	< 1	0.2	4	277	0.97	5	39	39	< 10
3290	S-870	17° 23.79' S	30° 0.44' E	354	1	0.2	2	18	1.47	14	106	2	< 10
3291	S-871	17° 24.01' S	30° 0.42' E	52	< 1	0.1	6	18	0.80	6	38	9	< 10
3292	S-872	17° 24.36' S	30° 0.47' E	182	4	0.5	27	61	2.79	12	43	5	< 10
3293	S-873	17° 24.33' S	30° 0.74' E	70	< 1	< 0.1	10	22	1.53	11	73	< 2	< 10
3294	S-874	17° 24.33' S	30° 1.07' E	184	< 1	0.2	< 2	12	1.08	9	36	< 2	< 10
3295	S-875	17° 24.33' S	30° 1.30' E	21	< 1	0.1	< 2	2	0.52	4	43	< 2	< 10
3296	S-876	17° 24.33' S	30° 1.58' E	26	3	< 0.1	< 2	3	0.53	6	15	< 2	< 10
3297	S-877	17° 24.33' S	30° 1.86' E	58	2	0.3	7	67	2.18	10	49	< 2	< 10
3298	S-878	17° 24.33' S	30° 2.14' E	70	3	0.2	4	94	3.05	9	40	< 2	< 10
3299	S-879	17° 24.32' S	30° 2.45' E	106	4	0.2	6	24	0.96	7	44	< 2	< 10
3300	S-880	17° 24.33' S	30° 2.72' E	358	45	0.8	18	82	1.62	11	37	< 2	< 10
3301	S-881	17° 24.06' S	30° 2.71' E	57	4	< 0.1	9	28	1.21	8	25	< 2	< 10
3302	S-882	17° 23.79' S	30° 2.73' E	32	< 1	0.2	< 2	679	0.87	8	25	47	< 10
3303	S-883	17° 23.53' S	30° 2.70' E	23	< 1	< 0.1	2	< 2	0.50	6	14	< 2	< 10
3304	S-884	17° 23.52' S	30° 2.43' E	49	< 1	0.2	4	12	1.11	10	33	< 2	< 10
3305	S-885	17° 23.81' S	30° 2.45' E	54	2	0.2	2	18	1.22	8	29	26	< 10
3306	S-886	17° 24.06' S	30° 2.43' E	66	11	0.4	3	65	2.96	8	45	< 2	< 10
3307	S-887	17° 24.06' S	30° 2.16' E	69	5	0.5	6	50	1.48	7	53	< 2	< 10
3308	S-888	17° 24.06' S	30° 1.87' E	33	1	0.2	6	6	0.82	5	25	< 2	< 10
3309	S-889	17° 24.06' S	30° 1.59' E	440	3	0.2	6	25	1.40	9	40	< 2	< 10
3310	S-890	17° 24.06' S	30° 1.32' E	163	2	0.3	11	25	1.53	10	50	< 2	< 10
3311	S-891	17° 24.06' S	30° 1.04' E	99	2	< 0.1	13	487	3.28	12	28	53	< 10
3312	S-892	17° 24.08' S	30° 0.82' E	605	12	0.5	15	22	1.20	7	32	2	< 10
3313	N-270	17° 25.95' S	29° 59.33' E	122	7	< 0.1	30	70	2.93	8	93	2	< 10
3314	N-271	17° 25.95' S	29° 59.62' E	30	2	< 0.1	26	32	2.04	6	67	< 2	< 10
3315	N-272	17° 25.94' S	29° 59.90' E	26	< 1	< 0.1	12	7	0.58	5	50	< 2	< 10
3316	N-273	17° 26.22' S	29° 59.92' E	45	11	0.2	26	32	1.66	17	51	< 2	< 10
3317	N-274	17° 26.51' S	29° 59.92' E	1	1	0.2	29	8	0.69	< 1	48	< 2	< 10
3318	N-275	17° 26.78' S	29° 59.92' E	172	2	< 0.1	23	54	1.57	5	56	< 2	< 10
3319	N-276	17° 26.79' S	29° 59.64' E	63	3	< 0.1	26	31	2.28	9	24	2	< 10
3320	N-277	17° 26.50' S	29° 59.64' E	22	1	< 0.1	20	7	0.65	< 1	13	< 2	< 10
3321	N-278	17° 26.23' S	29° 59.62' E	22	1	0.9	31	211	1.06	5	90	18	< 10
3322	N-279	17° 26.23' S	29° 59.32' E	54	11	0.3	36	83	3.68	3	76	3	< 10
3323	N-280	17° 26.51' S	29° 59.31' E	32	2	< 0.1	17	22	1.42	4	63	< 2	20
3324	N-281	17° 26.79' S	29° 59.34' E	43	2	< 0.1	25	36	2.47	4	51	3	< 10
3325	N-282	17° 26.76' S	29° 59.07' E	59	2	< 0.1	15	53	2.47	6	47	2	< 10
3326	N-283	17° 26.75' S	29° 58.79' E	50	3	< 0.1	40	24	1.14	5	130	2	< 10
3327	N-284	17° 26.77' S	29° 58.50' E	46	< 1	< 0.1	25	77	2.57	5	36	< 2	< 10
3328	N-285	17° 26.50' S	29° 58.50' E	56	< 1	< 0.1	10	88	2.39	6	94	35	< 10
3329	N-286	17° 26.21' S	29° 58.50' E	43	< 1	< 0.1	18	57	2.27	8	97	3	< 10
3330	N-287	17° 26.25' S	29° 58.79' E	46	2	< 0.1	24	21	1.46	6	66	2	< 10
3331	N-288	17° 26.52' S	29° 58.79' E	37	2	< 0.1	23	30	1.52	6	81	2	< 10
3332	N-289	17° 26.52' S	29° 59.06' E	63	4	< 0.1	11	37	2.14	7	32	2	< 10
3333	N-290	17° 26.23' S	29° 59.07' E	121	7	< 0.1	40	59	2.83	8	63	3	< 10
3334	S-893	17° 26.51' S	30° 2.97' E	29	< 1	0.2	23	58	3.18	11	37	9	< 10
3335	S-894	17° 26.77' S	30° 2.77' E	34	< 1	0.1	22	38	1.96	11	42	5	< 10
3336	S-895	17° 26.73' S	30° 2.42' E	8	2	< 0.1	13	8	1.02	7	32	< 2	< 10
3337	S-896	17° 26.76' S	30° 2.16' E	25	4	0.2	17	10	1.18	9	62	< 2	< 10
3338	S-897	17° 26.78' S	30° 1.87' E	7	< 1	0.1	6	< 2	0.69	5	9	< 2	< 10
3339	S-898	17° 26.77' S	30° 1.59' E	9	< 1	< 0.1	7	< 2	0.50	7	33	17	< 10
3340	S-899	17° 26.77' S	30° 1.32' E	8	< 1	< 0.1	7	< 2	0.74	7	16	< 2	< 10
3341	S-900	17° 26.77' S	30° 1.04' E	18	< 1	0.3	16	11	0.59	9	11	< 2	< 10
3342	S-901	17° 26.77' S	30° 0.75' E	40	6	0.2	25	34	1.63	9	34	< 2	< 10
3343	S-902	17° 26.77' S	30° 0.47' E	17	2	< 0.1	14	11	0.92	8	22	< 2	< 10
3344	S-903	17° 26.77' S	30° 0.18' E	58	< 1	< 0.1	12	8	0.74	7	17	< 2	< 10
3345	S-904	17° 26.50' S	30° 0.19' E	6	< 1	< 0.1	12	2	0.74	6	18	< 2	< 10
3346	S-905	17° 26.49' S	30° 0.45' E	18	1	< 0.1	10	6	0.67	9	25	< 2	< 10
3347	S-906	17° 26.50' S	30° 0.73' E	34	2	0.3	15	13	0.95	5	39	< 2	< 10
3348	S-907	17° 26.49' S	30° 1.03' E	71	2	0.2	14	33	1.62	7	43	< 2	< 10
3349	S-908	17° 26.49' S	30° 1.31' E	21	< 1	0.3	15	14	0.86	11	25	< 2	< 10
3350	S-909	17° 26.50' S	30° 1.59' E	28	1	0.1	7	10	1.00	6	20	< 2	< 10
3351	S-910	17° 26.50' S	30° 1.88' E	26	1	< 0.1	16	14	0.97	7	27	< 2	< 10
3352	S-911	17° 26.50' S	30° 2.14' E	19	< 1	0.5	18	16	1.25	8	17	< 2	< 10
3353	S-912	17° 26.50' S	30° 2.44' E	20	< 1	0.1	15	16	1.14	6	23	< 2	< 10
3354	S-913	17° 26.50' S	30° 2.73' E	19	1	0.2	10	567	1.24	10	28	55	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
3355	Y-737	16°24.81'S	29°56.88'E	39	1	< 0.1	8	116	2.58	21	83	< 2	< 10
3356	Y-739	16°25.44'S	29°57.15'E	21	1	< 0.1	6	116	3.54	19	60	< 2	< 10
3357	Y-740	16°25.39'S	29°57.47'E	34	< 1	< 0.1	10	44	1.85	8	40	< 2	< 10
3358	Y-741	16°25.41'S	29°57.79'E	165	5	< 0.1	9	185	5.24	29	102	< 2	< 10
3359	Y-742	16°25.39'S	29°58.04'E	127	3	0.1	3	175	4.81	25	85	2	< 10
3360	Y-743	16°25.40'S	29°58.32'E	70	2	< 0.1	12	116	3.42	17	59	84	< 10
3361	Y-744	16°25.40'S	29°58.64'E	8	1	< 0.1	9	525	2.42	14	52	3	< 10
3362	Y-745	16°25.39'S	29°58.90'E	65	5	< 0.1	14	198	4.76	24	61	94	< 10
3363	Y-746	16°23.22'S	29°58.06'E	29	< 1	< 0.1	15	114	2.32	10	28	3	< 10
3364	Y-747	16°23.51'S	29°58.05'E	19	9	0.3	20	82	1.37	4	31	2	< 10
3365	Y-748	16°23.79'S	29°58.04'E	43	1	0.2	26	139	3.74	13	51	2	< 10
3366	Y-749	16°24.03'S	29°58.05'E	61	2	0.1	20	154	3.86	19	53	2	< 10
3367	Y-750	16°24.31'S	29°58.04'E	44	< 1	0.8	10	142	3.29	14	60	2	< 10
3368	Y-751	16°24.57'S	29°58.05'E	21	< 1	0.1	12	75	2.05	8	62	2	< 10
3369	Y-752	16°24.85'S	29°58.04'E	31	< 1	< 0.1	19	106	2.76	13	77	2	< 10
3370	Y-753	16°24.85'S	29°57.79'E	26	< 1	< 0.1	4	114	2.29	16	168	2	< 10
3371	Y-754	16°24.61'S	29°57.78'E	27	< 1	< 0.1	6	128	2.65	12	94	2	< 10
3372	Y-755	16°24.30'S	29°57.75'E	20	< 1	< 0.1	27	99	2.27	9	52	2	< 10
3373	Y-756	16°24.04'S	29°57.76'E	38	1	< 0.1	18	191	3.60	20	133	2	< 10
3374	Y-757	16°23.77'S	29°57.78'E	45	< 1	< 0.1	8	2590	3.90	23	72	146	< 10
3375	Y-758	16°23.50'S	29°57.77'E	31	< 1	< 0.1	21	126	2.95	13	42	4	< 10
3376	Y-759	16°23.23'S	29°57.78'E	38	< 1	< 0.1	20	115	3.22	14	37	3	< 10
3377	Y-760	16°25.94'S	29°58.32'E	63	< 1	< 0.1	46	260	5.93	20	42	2	< 10
3378	Y-761	16°26.20'S	29°58.36'E	12	2	< 0.1	2	39	1.30	5	55	3	< 10
3379	Y-762	16°26.48'S	29°58.32'E	32	2	0.1	10	80	2.53	8	65	3	< 10
3380	Y-763	16°26.71'S	29°58.34'E	57	< 1	< 0.1	18	127	3.72	17	76	3	< 10
3381	Y-764	16°27.03'S	29°58.36'E	24	< 1	< 0.1	15	95	1.89	3	45	2	< 10
3382	Y-765	16°27.29'S	29°58.34'E	39	< 1	< 0.1	23	100	3.57	15	60	2	< 10
3383	Y-766	16°27.57'S	29°58.32'E	42	< 1	< 0.1	8	1775	4.32	25	41	149	< 10
3384	Y-767	16°27.84'S	29°58.31'E	32	< 1	0.6	5	135	4.18	14	23	5	< 10
3385	Y-768	16°28.09'S	29°58.35'E	39	< 1	< 0.1	17	53	1.95	7	49	3	< 10
3386	Y-769	16°28.11'S	29°58.02'E	55	< 1	0.3	18	126	4.12	18	46	3	< 10
3387	Y-770	16°27.84'S	29°58.06'E	51	< 1	< 0.1	5	98	2.98	14	63	2	< 10
3388	Y-771	16°27.57'S	29°58.07'E	32	< 1	< 0.1	14	131	3.93	19	35	2	< 10
3389	Y-772	16°27.30'S	29°58.06'E	44	< 1	< 0.1	10	42	2.19	8	65	2	< 10
3390	Y-773	16°27.03'S	29°58.06'E	56	< 1	< 0.1	16	143	5.32	22	68	105	< 10
3391	Y-774	16°26.75'S	29°58.04'E	39	< 1	< 0.1	23	215	5.05	23	59	7	< 10
3392	Y-775	16°26.48'S	29°58.05'E	56	< 1	< 0.1	7	149	4.49	17	31	3	< 10
3393	Y-776	16°26.25'S	29°58.04'E	18	< 1	< 0.1	13	37	1.45	6	78	3	< 10
3394	Y-777	16°25.94'S	29°59.76'E	41	< 1	< 0.1	5	90	2.24	13	71	3	< 10
3395	Y-778	16°26.21'S	29°59.73'E	31	< 2	< 0.1	7	38	2.25	8	78	3	< 10
3396	Y-779	16°26.52'S	29°59.70'E	49	< 1	< 0.1	18	115	4.01	22	32	2	< 10
3397	Y-780	16°26.74'S	29°59.77'E	31	< 1	< 0.1	19	101	3.82	15	62	2	< 10
3398	Y-781	16°26.90'S	29°59.72'E	22	< 1	< 0.1	21	34	1.54	4	24	3	< 10
3399	Y-782	16°27.30'S	29°59.69'E	60	< 1	0.1	15	157	5.39	24	57	2	< 10
3400	Y-783	16°27.55'S	29°59.78'E	40	< 1	0.2	17	195	5.24	29	31	3	< 10
3401	Y-784	16°27.84'S	29°59.75'E	39	< 1	0.8	16	60	1.80	7	56	2	< 10
3402	Y-785	16°28.12'S	29°59.73'E	51	< 1	< 0.1	4	154	3.92	23	61	3	< 10
3403	Y-786	16°28.11'S	30°0.07'E	19	< 1	< 0.1	10	171	3.93	23	48	3	< 10
3404	Y-787	16°27.86'S	30°0.04'E	45	< 1	< 0.1	28	180	5.49	24	37	3	< 10
3405	Y-788	16°27.58'S	30°0.03'E	48	< 1	0.1	19	1789	4.20	20	44	141	< 10
3406	Y-789	16°27.30'S	30°0.04'E	30	< 1	< 0.1	12	191	4.79	25	25	140	< 10
3407	Y-790	16°27.03'S	30°0.04'E	45	< 1	0.2	< 2	111	2.45	11	116	4	< 10
3408	Y-791	16°26.75'S	30°0.02'E	41	< 1	< 0.1	18	76	2.94	11	47	3	< 10
3409	Y-792	16°26.49'S	30°0.03'E	34	< 1	< 0.1	21	110	3.91	14	34	3	< 10
3410	Y-793	16°26.22'S	30°0.04'E	41	< 1	< 0.1	19	118	3.34	13	56	3	< 10
3411	Y-794	16°25.94'S	30°0.03'E	127	< 1	0.1	8	26	1.45	5	41	91	< 10
3412	Y-795	16°26.22'S	29°57.75'E	33	< 1	< 0.1	14	57	2.43	7	73	3	< 10
3413	Y-796	16°26.46'S	29°57.79'E	33	< 1	< 0.1	13	149	5.06	19	41	3	< 10
3414	Y-797	16°26.75'S	29°57.76'E	52	2	< 0.1	19	142	4.78	27	78	3	< 10
3415	Y-798	16°27.02'S	29°57.76'E	52	1	< 0.1	20	120	4.47	21	56	3	< 10
3416	Y-799	16°27.29'S	29°57.78'E	52	< 1	< 0.1	26	214	5.21	18	45	3	< 10
3417	Y-800	16°27.57'S	29°57.78'E	66	< 1	< 0.1	16	180	4.91	19	97	3	< 10
3418	Y-801	16°26.75'S	29°57.49'E	49	< 1	< 0.1	25	66	2.78	10	66	2	< 10
3419	Y-802	16°26.50'S	29°57.52'E	40	2	0.5	< 2	108	3.57	18	50	31	< 10
3420	Y-803	16°26.23'S	29°57.48'E	15	1	< 0.1	3	87	3.10	14	54	71	< 10
3421	Y-804	16°25.96'S	29°57.49'E	17	< 1	0.1	13	385	3.31	15	56	42	< 10
3422	Y-805	16°25.95'S	29°57.75'E	46	< 1	< 0.1	< 2	163	4.18	18	63	< 2	< 10
3423	Y-806	16°25.96'S	29°58.03'E	45	< 1	< 0.1	6	222	8.25	25	41	< 2	< 10
3424	Y-807	16°25.68'S	30°0.04'E	< 1	4	< 0.1	25	105	4.33	22	62	< 2	< 10
3425	Y-808	16°25.65'S	29°59.75'E	43	< 1	< 0.1	22	70	2.92	13	60	< 2	< 10
3426	Y-809	16°25.40'S	29°59.46'E	62	< 1	< 0.1	30	103	2.48	9	56	< 2	< 10
3427	Y-810	16°25.40'S	29°59.19'E	146	6	< 0.1	45	252	5.55	36	76	< 2	< 10
3428	Y-811	16°25.16'S	29°59.18'E	16	4	< 0.1	23	160	3.03	11	46	< 2	< 10
3429	Y-812	16°25.12'S	29°59.44'E	15	2	< 0.1	16	71	2.87	17	65	< 2	< 10
3430	Y-813	16°24.86'S	29°59.46'E	50	1	< 0.1	38	146	3.84	17	68	< 2	< 10
3431	Y-814	16°24.82'S	29°59.75'E	52	1	< 0.1	41	150	3.70	20	82	< 2	< 10
3432	Y-815	16°24.85'S	30°0.02'E	40	1	0.1	30	133	4.31	50	658	< 2	< 10
3433	Y-816	16°25.13'S	30°0.01'E	34	4	< 0.1	30	168	4.65	25	84	< 2	< 10
3434	Y-817	16°25.14'S	29°59.76'E	42	4	< 0.1	36	112	3.89	21	76	< 2	< 10
3435	Y-818	16°25.37'S	29°59.73'E	56	1	< 0.1	25	139	3.75	24	72	< 2	< 10
3436	Y-819	16°25.40'S	30°0.01'E	46	1	< 0.1	14	459	2.89	17	63	52	< 10
3437	Y-820	16°26.48'S	30°2.55'E	36	2	< 0.1	19	22	1.80	7	49	3	< 10
3438	Y-821	16°26.51'S	30°2.26'E	21	< 1	< 0.1	28	149	2.35	10	49	< 2	< 10
3439	Y-822	16°26.53'S	30°2.00'E	2	< 1	< 0.1	8	15	0.89	4	37	< 2	< 10
3440	Y-823	16°26.72'S	30°2.00'E	24	1	< 0.1	7	103	2.22	7	38	< 2	< 10

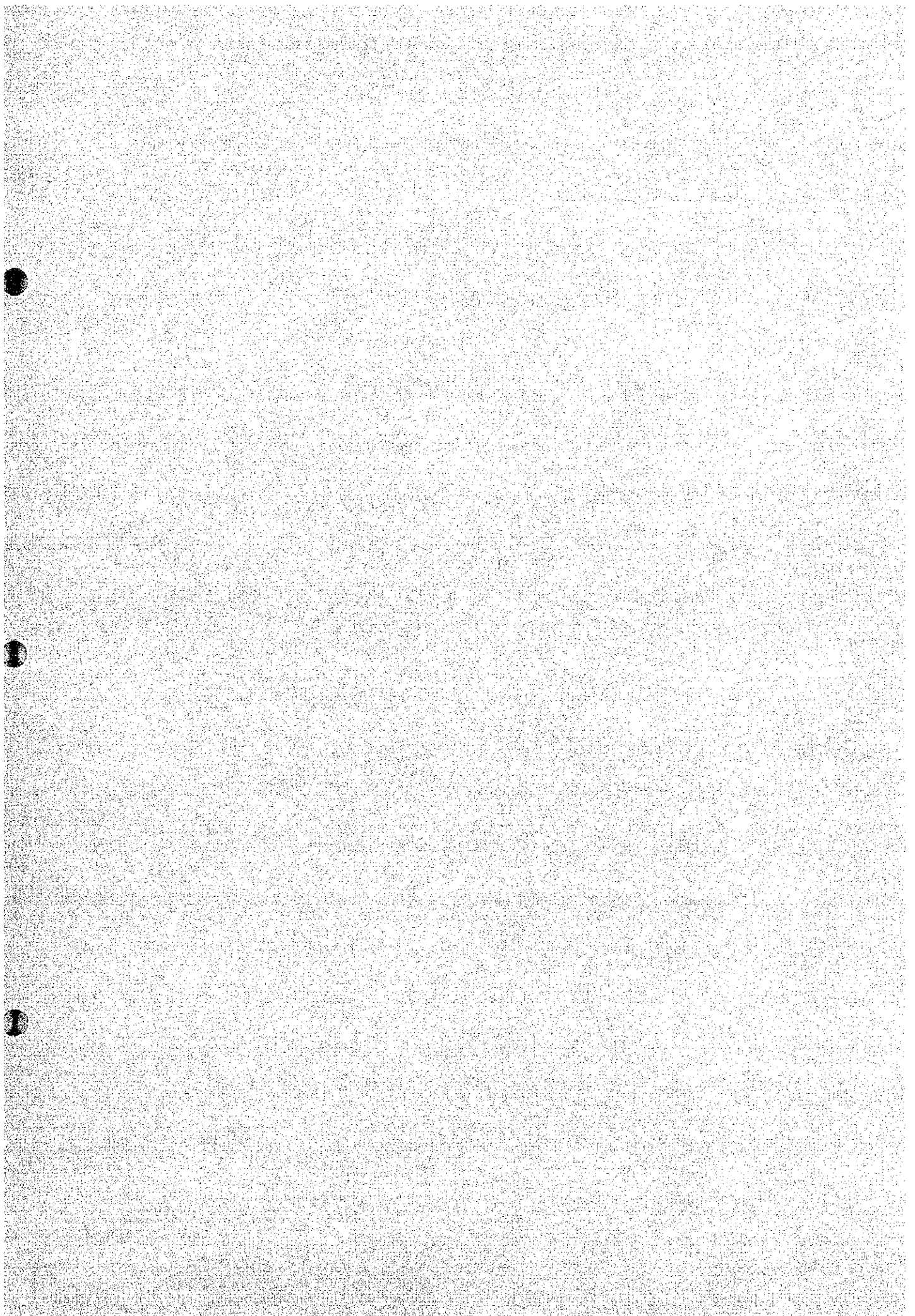
No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
3441	Y-824	16°26.75'S	30°1.74'E	56	2	< 0.1	25	473	2.90	15	59	82	< 10
3442	Y-825	16°26.99'S	30°1.76'E	81	1	< 0.1	14	119	4.01	26	55	3	< 10
3443	Y-826	16°27.04'S	30°2.02'E	103	4	< 0.1	< 2	67	2.57	13	56	< 2	< 10
3444	Y-827	16°27.02'S	30°2.28'E	80	2	< 0.1	9	52	2.44	9	40	< 2	< 10
3445	Y-828	16°27.29'S	30°2.29'E	62	< 1	< 0.1	4	58	2.91	15	44	< 2	< 10
3446	Y-829	16°27.31'S	30°2.54'E	90	< 1	< 0.1	19	151	4.52	22	59	< 2	< 10
3447	Y-830	16°27.03'S	30°2.56'E	55	< 1	< 0.1	2	64	3.32	14	62	< 2	< 10
3448	Y-831	16°26.77'S	30°2.30'E	67	3	< 0.1	< 2	85	3.10	19	63	< 2	< 10
3449	Y-832	16°26.72'S	30°2.57'E	36	1	< 0.1	< 2	51	2.11	10	45	< 2	< 10
3450	Y-833	16°26.21'S	30°2.57'E	60	2	< 0.1	17	94	3.73	15	55	< 2	< 10
3451	Y-834	16°24.58'S	29°56.91'E	117	2	< 0.1	< 2	311	3.43	15	61	37	< 10
3452	Y-835	16°24.34'S	29°56.93'E	79	1	< 0.1	9	112	3.10	13	58	2	< 10
3453	Y-836	16°24.03'S	29°56.91'E	71	1	< 0.1	7	124	2.94	13	52	< 2	< 10
3454	Y-837	16°23.77'S	29°56.92'E	22	< 1	< 0.1	< 2	41	1.73	6	23	< 2	< 10
3455	Y-838	16°23.77'S	29°56.64'E	19	3	< 0.1	3	146	4.21	27	94	< 2	20
3456	Y-839	16°23.47'S	29°56.64'E	19	< 1	< 0.1	13	21	1.04	2	23	< 2	< 10
3457	Y-840	16°23.23'S	29°56.64'E	98	1	< 0.1	24	161	4.42	27	94	< 2	< 10
3458	Y-841	16°22.95'S	29°56.65'E	121	8	< 0.1	27	210	5.35	29	67	< 2	< 10
3459	Y-842	16°22.70'S	29°56.64'E	68	1	< 0.1	22	122	2.06	7	69	2	< 10
3460	Y-843	16°22.69'S	29°56.91'E	111	2	< 0.1	19	179	5.15	25	83	< 2	< 10
3461	Y-844	16°22.93'S	29°56.92'E	17	3	< 0.1	14	28	1.97	6	52	48	< 10
3462	Y-845	16°23.31'S	29°56.94'E	44	6	< 0.1	22	100	1.99	11	64	< 2	< 10
3463	Y-846	16°23.51'S	29°56.91'E	44	2	< 0.1	17	85	2.96	13	53	40	< 10
3464	K-232	16°25.10'S	29°57.10'E	30	4	< 0.1	25	116	3.20	18	68	< 2	< 10
3465	K-233	16°25.13'S	29°57.49'E	11	< 1	< 0.1	20	25	0.92	2	59	< 2	< 10
3466	K-234	16°25.20'S	29°57.79'E	45	< 1	< 0.1	24	107	3.36	11	42	< 2	10
3467	K-235	16°25.12'S	29°58.09'E	14	< 1	< 0.1	9	46	1.61	7	81	< 2	< 10
3468	K-236	16°25.12'S	29°58.34'E	15	< 1	< 0.1	15	63	1.74	9	51	< 2	< 10
3469	K-237	16°25.18'S	29°58.66'E	27	< 1	< 0.1	17	62	2.18	8	36	< 2	10
3470	K-238	16°25.12'S	29°58.90'E	14	< 1	< 0.1	21	43	1.54	5	85	< 2	< 10
3471	K-239	16°23.22'S	29°59.18'E	39	< 1	< 0.1	29	130	3.10	10	54	< 2	< 10
3472	K-240	16°23.44'S	29°59.17'E	35	< 1	< 0.1	35	142	3.80	9	38	< 2	< 10
3473	K-241	16°23.78'S	29°59.15'E	82	< 1	< 0.1	30	230	5.99	12	42	< 2	10
3474	K-242	16°24.04'S	29°59.05'E	15	< 1	< 0.1	24	1077	1.69	7	64	116	10
3475	K-243	16°24.32'S	29°59.11'E	93	< 1	< 0.1	12	228	5.59	16	72	50	10
3476	K-244	16°24.55'S	29°59.16'E	25	< 1	< 0.1	34	135	2.48	12	78	< 2	10
3477	K-245	16°24.85'S	29°59.19'E	50	< 1	< 0.1	37	344	3.95	15	84	< 2	10
3478	K-246	16°24.92'S	29°59.05'E	45	< 1	< 0.1	39	203	3.78	20	110	< 2	< 10
3479	K-247	16°24.56'S	29°58.82'E	27	< 1	< 0.1	42	152	2.82	13	54	< 2	< 10
3480	K-248	16°24.26'S	29°58.89'E	44	< 1	< 0.1	33	197	3.81	16	95	84	< 10
3481	K-249	16°24.05'S	29°58.92'E	23	< 1	< 0.1	33	112	2.19	9	68	< 2	< 10
3482	K-250	16°23.80'S	29°58.90'E	52	< 1	< 0.1	21	301	5.98	20	61	< 2	< 10
3483	K-251	16°23.53'S	29°58.86'E	35	< 1	< 0.1	28	178	3.23	10	59	< 2	< 10
3484	K-252	16°23.22'S	29°58.84'E	43	< 1	< 0.1	23	151	2.73	10	69	< 2	< 10
3485	K-253	16°25.95'S	29°59.42'E	59	< 1	< 0.1	4	137	2.73	15	90	< 2	< 10
3486	K-254	16°26.17'S	29°59.50'E	13	< 1	< 0.1	21	69	2.09	9	64	< 2	< 10
3487	K-255	16°26.49'S	29°59.78'E	54	3	< 0.1	31	183	5.00	25	110	< 2	< 10
3488	K-256	16°26.77'S	29°59.55'E	37	< 1	0.1	43	157	4.30	16	36	52	30
3489	K-257	16°27.02'S	29°59.47'E	40	< 1	< 0.1	30	150	5.51	21	53	56	10
3490	K-258	16°27.31'S	29°59.40'E	33	< 1	< 0.1	38	230	5.58	23	28	5	10
3491	K-259	16°27.55'S	29°59.51'E	38	< 1	< 0.1	41	201	6.14	24	30	< 2	< 10
3492	K-260	16°27.83'S	29°59.48'E	88	< 1	< 0.1	46	227	6.31	22	73	< 2	< 10
3493	K-261	16°28.14'S	29°59.45'E	60	< 1	< 0.1	31	154	4.79	16	59	< 2	< 10
3494	K-262	16°28.06'S	29°59.15'E	63	< 1	< 0.1	35	175	5.43	20	34	< 2	< 10
3495	K-263	16°27.85'S	29°59.14'E	47	< 1	< 0.1	43	192	5.47	17	27	< 2	< 10
3496	K-264	16°27.48'S	29°59.16'E	20	< 1	< 0.1	18	63	2.26	5	60	< 2	< 10
3497	K-265	16°27.29'S	29°59.18'E	21	< 1	< 0.1	22	61	2.72	9	56	< 2	< 10
3498	K-266	16°25.96'S	30°0.88'E	28	< 1	< 0.1	42	195	5.68	13	17	< 2	< 10
3499	K-267	16°25.98'S	30°1.17'E	103	< 1	< 0.1	43	214	5.97	19	31	< 2	< 10
3500	K-268	16°26.21'S	30°1.13'E	49	< 1	< 0.1	54	143	3.89	13	64	< 2	< 10
3501	K-269	16°26.49'S	30°1.11'E	37	< 1	< 0.1	40	116	3.19	12	61	< 2	< 10
3502	K-270	16°26.80'S	30°1.33'E	51	< 1	< 0.1	49	226	5.65	21	30	< 2	< 10
3503	K-271	16°26.97'S	30°1.42'E	42	< 1	< 0.1	43	119	4.09	13	38	< 2	< 10
3504	K-272	16°26.73'S	30°1.24'E	55	< 1	< 0.1	39	185	5.60	19	61	< 2	< 10
3505	K-273	16°27.25'S	30°1.55'E	84	1	< 0.1	58	468	5.29	14	52	38	< 10
3506	K-274	16°27.58'S	30°1.55'E	147	5	< 0.1	48	182	4.20	17	110	< 2	< 10
3507	K-275	16°27.88'S	30°1.82'E	48	< 1	< 0.1	35	156	3.63	10	68	< 2	< 10
3508	K-276	16°28.16'S	30°1.43'E	236	< 1	< 0.1	39	51	2.58	8	48	< 2	< 10
3509	K-277	16°28.16'S	30°1.13'E	86	< 1	< 0.1	24	134	3.73	11	63	< 2	< 10
3510	K-278	16°28.16'S	30°0.87'E	51	< 1	< 0.1	34	450	4.48	18	60	57	< 10
3511	K-279	16°26.23'S	30°0.88'E	66	< 1	< 0.1	55	133	2.95	11	69	< 2	< 10
3512	K-280	16°26.48'S	30°0.87'E	48	< 1	< 0.1	41	205	5.67	19	21	< 2	< 10
3513	K-281	16°26.78'S	30°0.89'E	52	< 1	< 0.1	38	184	5.84	20	92	< 2	< 10
3514	K-282	16°27.00'S	30°0.83'E	54	< 1	< 0.1	62	181	5.96	18	37	< 2	< 10
3515	K-283	16°27.26'S	30°0.88'E	40	< 1	< 0.1	44	159	4.92	18	51	< 2	< 10
3516	K-284	16°27.57'S	30°0.87'E	52	1	< 0.1	45	144	4.42	17	117	< 2	< 10
3517	K-285	16°27.87'S	30°0.90'E	54	< 1	< 0.1	45	99	3.16	10	55	< 2	< 10
3518	K-286	16°27.86'S	30°1.18'E	73	2	< 0.1	52	157	3.52	17	72	< 2	< 10
3519	K-287	16°27.86'S	30°1.46'E	28	< 1	< 0.1	44	98	3.00	12	50	< 2	< 10
3520	K-288	16°27.57'S	30°1.12'E	46	< 1	< 0.1	48	517	4.77	18	48	46	< 10
3521	K-289	16°27.24'S	30°1.14'E	52	< 1	< 0.1	43	116	3.56	15	89	2	< 10
3522	K-290	16°27.01'S	30°1.44'E	60	< 1	< 0.1	47	138	3.40	13	54	< 2	< 10
3523	K-291	16°25.94'S	30°1.44'E	51	< 1	< 0.1	32	138	4.40	18	65	< 2	10
3524	K-292	16°26.22'S	30°1.47'E	55	< 1	< 0.1	32	200	5.52	20	36	< 2	< 10
3525	K-293	16°26.47'S	30°1.57'E	147	11	< 0.1	39	175	3.79	14	115	< 2	< 10
3526	K-294	16°26.49'S	30°1.76'E	40	< 1	< 0.1	39	137	2.94	10	60	< 2	10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
3527	K-295	16°26.29'S	30°1.76'E	27	< 1	< 0.1	35	154	3.92	13	84	< 2	10
3528	K-296	16°25.99'S	30°1.76'E	54	< 1	< 0.1	57	177	5.40	18	75	< 2	< 10
3529	K-297	16°25.66'S	30°1.72'E	53	< 1	< 0.1	39	147	4.38	11	40	< 2	< 10
3530	K-298	16°25.38'S	30°1.66'E	154	< 1	< 0.1	44	594	5.95	20	81	54	< 10
3531	K-299	16°25.12'S	30°1.71'E	62	4	< 0.1	72	183	5.00	14	47	< 2	10
3532	K-300	16°25.12'S	30°1.44'E	82	< 1	< 0.1	72	254	5.60	21	148	61	10
3533	K-301	16°25.41'S	30°1.38'E	290	5	< 0.1	63	298	7.42	23	79	2	< 10
3534	K-302	16°25.67'S	30°1.38'E	127	< 1	< 0.1	71	254	6.37	22	66	< 2	< 10
3535	K-303	16°28.13'S	30°2.57'E	42	< 1	< 0.1	52	109	3.04	9	75	2	< 10
3536	K-304	16°28.10'S	30°2.25'E	171	2	< 0.1	29	63	2.99	8	41	< 2	< 10
3537	K-305	16°28.13'S	30°2.00'E	70	3	< 0.1	56	172	7.04	20	81	< 2	10
3538	K-306	16°28.15'S	30°1.73'E	126	< 1	0.5	53	182	6.09	17	46	< 2	< 10
3539	K-307	16°27.85'S	30°2.02'E	192	2	< 0.1	31	126	5.52	17	45	< 2	10
3540	K-308	16°27.58'S	30°1.70'E	73	< 1	< 0.1	45	213	6.72	21	42	< 2	10
3541	K-309	16°27.27'S	30°1.69'E	63	< 1	< 0.1	43	190	6.50	19	45	< 2	10
3542	K-310	16°27.30'S	30°1.97'E	218	2	< 0.1	52	187	6.22	16	41	4	< 10
3543	K-311	16°27.53'S	30°2.00'E	129	< 1	< 0.1	33	1356	3.85	13	65	71	< 10
3544	K-312	16°27.62'S	30°2.10'E	101	< 1	< 0.1	60	176	5.11	14	40	2	< 10
3545	K-313	16°27.84'S	30°2.27'E	43	< 1	< 0.1	33	47	2.51	8	42	< 2	10
3546	K-314	16°27.93'S	30°2.54'E	6	< 1	< 0.1	20	74	1.84	7	32	2	10
3547	K-315	16°27.65'S	30°2.63'E	61	< 1	0.6	58	150	4.51	9	50	< 2	10
3548	K-316	16°23.49'S	29°57.50'E	37	< 1	< 0.1	19	138	2.78	8	41	< 2	< 10
3549	K-317	16°23.77'S	29°57.50'E	28	< 1	< 0.1	26	107	2.80	10	51	< 2	10
3550	K-318	16°24.04'S	29°57.49'E	23	< 1	< 0.1	33	91	2.11	9	86	< 2	< 10
3551	K-319	16°24.32'S	29°57.50'E	5	< 1	< 0.1	6	33	1.06	5	49	< 2	< 10
3552	K-320	16°24.60'S	29°57.51'E	23	5	< 0.1	2	726	2.05	10	58	76	< 10
3553	K-321	16°24.84'S	29°57.45'E	10	< 1	< 0.1	11	35	1.24	5	18	2	10
3554	K-322	16°24.84'S	29°57.21'E	2	2	< 0.1	7	60	1.81	12	58	2	10
3555	K-323	16°24.59'S	29°57.40'E	14	2	< 0.1	14	108	3.12	12	78	< 2	10
3556	K-324	16°24.28'S	29°57.23'E	256	18	< 0.1	22	182	5.81	23	80	< 2	10
3557	K-325	16°24.01'S	29°57.21'E	86	4	0.1	8	127	3.81	18	91	< 2	< 10
3558	K-326	16°23.84'S	29°57.21'E	17	< 1	< 0.1	13	49	1.81	7	60	< 2	< 10
3559	K-327	16°23.50'S	29°57.15'E	79	< 1	< 0.1	17	245	5.40	20	68	55	10
3560	K-328	16°23.23'S	29°57.23'E	16	< 1	< 0.1	3	155	3.12	14	51	< 2	10
3561	K-329	16°23.23'S	29°57.44'E	37	< 1	0.4	2	107	3.05	12	47	< 2	10
3562	M-171	16°25.71'S	29°57.21'E	116	< 1	0.1	10	63	2.97	11	79	< 2	< 10
3563	M-172	16°25.67'S	29°57.49'E	109	4	0.2	18	188	5.49	11	91	< 2	< 10
3564	M-173	16°25.67'S	29°57.78'E	76	5	0.2	38	248	6.21	15	43	< 2	< 10
3565	M-174	16°25.67'S	29°58.04'E	19	1	< 0.1	22	150	4.01	9	47	< 2	< 10
3566	M-175	16°25.67'S	29°58.33'E	140	2	0.3	36	195	5.65	13	42	< 2	< 10
3567	M-176	16°25.67'S	29°58.62'E	20	< 1	0.1	14	37	1.25	1	22	< 2	< 10
3568	M-177	16°25.66'S	29°58.91'E	80	3	0.1	27	241	5.94	15	30	< 2	< 10
3569	M-178	16°25.65'S	29°59.20'E	103	2	0.3	36	143	5.12	14	46	< 2	< 10
3570	M-179	16°25.67'S	29°59.47'E	192	3	0.1	16	128	3.88	11	28	< 2	< 10
3571	M-180	16°23.21'S	29°58.34'E	49	< 1	< 0.1	29	680	3.60	12	22	47	< 10
3572	M-181	16°23.55'S	29°58.33'E	54	< 1	< 0.1	38	192	4.36	11	24	3	< 10
3573	M-182	16°23.78'S	29°58.32'E	40	< 1	< 0.1	46	133	3.15	10	36	< 2	< 10
3574	M-183	16°24.05'S	29°58.34'E	42	< 1	< 0.1	38	133	3.05	10	38	< 2	< 10
3575	M-184	16°24.32'S	29°58.34'E	42	< 1	< 0.1	17	162	3.37	9	50	< 2	< 10
3576	M-185	16°24.57'S	29°58.34'E	33	< 1	< 0.1	17	136	3.88	11	25	< 2	< 10
3577	M-186	16°24.84'S	29°58.33'E	59	< 1	0.2	38	172	4.52	14	29	< 2	< 10
3578	M-187	16°24.84'S	29°58.64'E	12	< 1	< 0.1	33	60	1.35	3	15	< 2	< 10
3579	M-188	16°24.59'S	29°58.62'E	19	< 1	< 0.1	21	70	1.85	4	21	< 2	< 10
3580	M-189	16°24.29'S	29°58.63'E	37	< 1	0.1	54	666	2.79	12	74	56	< 10
3581	M-190	16°24.05'S	29°58.62'E	21	< 1	0.1	64	61	1.69	4	13	< 2	< 10
3582	M-191	16°23.77'S	29°58.63'E	71	< 1	0.3	58	227	3.42	13	74	12	< 10
3583	M-192	16°23.51'S	29°58.62'E	49	< 1	< 0.1	12	180	4.66	17	186	< 2	< 10
3584	M-193	16°23.22'S	29°58.63'E	40	< 1	< 0.1	15	142	3.19	11	39	< 2	< 10
3585	M-194	16°26.21'S	29°58.61'E	65	< 1	< 0.1	19	191	5.03	15	32	< 2	< 10
3586	M-195	16°26.49'S	29°58.61'E	75	< 1	< 0.1	19	127	3.77	7	44	< 2	< 10
3587	M-196	16°26.75'S	29°58.62'E	44	< 1	< 0.1	5	99	2.91	5	55	25	< 10
3588	M-197	16°27.02'S	29°58.62'E	14	< 1	< 0.1	< 2	39	1.76	6	28	< 2	< 10
3589	M-198	16°27.29'S	29°58.63'E	27	< 1	< 0.1	< 2	102	4.08	14	32	< 2	< 10
3590	M-199	16°27.56'S	29°58.62'E	32	< 1	0.1	< 2	25	1.58	5	47	< 2	< 10
3591	M-200	16°27.83'S	29°58.62'E	23	< 1	< 0.1	< 2	28	1.65	6	36	< 2	< 10
3592	M-201	16°28.11'S	29°58.62'E	23	14	< 0.1	11	123	4.08	15	23	< 2	< 10
3593	M-202	16°28.11'S	29°58.90'E	34	< 1	< 0.1	19	115	3.62	11	32	< 2	< 10
3594	M-203	16°27.85'S	29°58.91'E	31	< 1	< 0.1	19	207	6.00	20	50	< 2	< 10
3595	M-204	16°27.58'S	29°58.91'E	30	< 1	< 0.1	6	195	5.72	16	30	< 2	< 10
3596	M-205	16°27.27'S	29°58.93'E	93	< 1	0.2	60	222	7.11	15	34	< 2	< 10
3597	M-206	16°25.93'S	30°0.29'E	86	< 1	< 0.1	40	119	3.62	8	36	< 2	< 10
3598	M-207	16°26.21'S	30°0.32'E	177	5	< 0.1	60	198	6.45	13	48	< 2	< 10
3599	M-208	16°26.49'S	30°0.32'E	28	< 1	< 0.1	30	39	1.82	6	47	< 2	< 10
3600	M-209	16°26.75'S	30°0.32'E	40	< 1	< 0.1	61	88	2.31	5	32	< 2	< 10
3601	M-210	16°27.01'S	30°0.32'E	48	< 1	< 0.1	58	192	5.37	17	17	< 2	< 10
3602	M-211	16°27.25'S	30°0.28'E	181	< 1	< 0.1	41	760	6.63	15	23	107	< 10
3603	M-212	16°27.56'S	30°0.32'E	66	< 1	< 0.1	40	141	4.43	16	11	60	< 10
3604	M-213	16°27.80'S	30°0.30'E	102	< 1	< 0.1	55	158	4.67	18	33	< 2	< 10
3605	M-214	16°28.10'S	30°0.32'E	52	< 1	0.1	29	111	3.60	13	41	< 2	< 10
3606	M-215	16°28.13'S	30°0.58'E	39	< 1	< 0.1	34	90	2.27	9	76	< 2	< 10
3607	M-216	16°27.84'S	30°0.59'E	40	< 1	0.3	40	135	4.29	14	65	< 2	< 10
3608	M-217	16°27.57'S	30°0.59'E	63	< 1	< 0.1	49	148	4.66	14	50	21	< 10
3609	M-218	16°27.30'S	30°0.59'E	53	< 1	< 0.1	39	159	5.95	17	22	< 2	< 10
3610	M-219	16°27.02'S	30°0.61'E	37	< 1	< 0.1	36	76	2.33	8	31	< 2	< 10
3611	M-220	16°26.75'S	30°0.60'E	81	< 1	< 0.1	48	161	6.33	21	42	< 2	< 10
3612	M-221	16°26.51'S	30°0.58'E	61	< 1	< 0.1	38	172	5.74	16	24	< 2	< 10

No.	Loc. No.	Latitude	Longitude	Cu(ppm)	Au(ppb)	Ag(ppm)	Pb(ppm)	Zn(ppm)	Fe(%)	Co(ppm)	Ni(ppm)	As(ppm)	Hg(ppb)
3613	M-222	16° 26.26' S	30° 0.58' E	76	< 1	< 0.1	35	116	2.29	12	73	< 2	< 10
3614	M-223	16° 25.96' S	30° 0.56' E	63	< 1	< 0.1	60	202	5.73	16	26	< 2	< 10
3615	M-224	16° 25.94' S	29° 58.62' E	82	< 1	< 0.1	44	186	5.74	12	23	< 2	< 10
3616	M-225	16° 25.95' S	29° 58.92' E	113	< 1	0.1	4	270	5.09	20	49	151	10
3617	M-226	16° 26.18' S	29° 58.90' E	28	< 1	0.1	12	139	4.95	15	25	110	10
3618	M-227	16° 26.49' S	29° 58.91' E	36	< 1	0.1	19	383	4.91	15	27	80	< 10
3619	M-228	16° 26.75' S	29° 58.92' E	39	< 1	0.1	6	135	5.40	21	24	< 2	< 10
3620	M-229	16° 27.00' S	29° 58.92' E	29	< 1	0.1	24	122	4.25	16	41	< 2	< 10
3621	M-230	16° 27.03' S	29° 59.20' E	23	< 1	< 0.1	18	105	2.50	9	40	< 2	< 10
3622	M-231	16° 26.75' S	29° 59.19' E	22	< 1	< 0.1	21	81	2.40	8	44	< 2	< 10
3623	M-232	16° 26.49' S	29° 59.18' E	91	< 1	< 0.1	14	163	5.07	19	43	< 2	< 10
3624	M-233	16° 26.22' S	29° 59.23' E	65	< 1	< 0.1	36	155	6.19	19	38	< 2	< 10
3625	M-234	16° 25.91' S	29° 59.17' E	76	< 1	< 0.1	31	182	5.05	21	57	< 2	< 10
3626	M-235	16° 25.62' S	30° 1.16' E	48	1	0.2	22	127	4.33	16	53	< 2	< 10
3627	M-236	16° 25.38' S	30° 1.15' E	147	2	0.1	18	154	5.50	20	51	< 2	< 10
3628	M-237	16° 25.13' S	30° 1.14' E	31	< 1	0.1	21	106	2.80	11	51	< 2	< 10
3629	M-238	16° 25.14' S	30° 0.87' E	31	< 1	0.1	19	77	2.97	11	35	< 2	< 10
3630	M-239	16° 25.15' S	30° 0.63' E	29	< 1	< 0.1	20	107	2.96	11	35	< 2	< 10
3631	M-240	16° 25.12' S	30° 0.29' E	57	3	< 0.1	33	104	3.47	15	47	< 2	< 10
3632	M-241	16° 25.40' S	30° 0.31' E	96	1	0.1	27	162	5.40	23	68	< 2	< 10
3633	M-242	16° 25.40' S	30° 0.59' E	91	< 1	0.1	21	702	5.19	25	73	123	< 10
3634	M-243	16° 25.42' S	30° 0.85' E	120	2	< 0.1	16	171	5.05	27	79	< 2	< 10
3635	M-244	16° 25.60' S	30° 0.90' E	32	< 1	< 0.1	15	79	2.96	13	47	< 2	< 10
3636	M-245	16° 25.40' S	30° 2.02' E	46	< 1	0.2	22	164	5.06	17	47	< 2	< 10
3637	M-246	16° 25.12' S	30° 2.00' E	52	< 1	0.1	18	129	4.14	16	53	< 2	< 10
3638	M-247	16° 25.14' S	30° 2.29' E	23	< 1	0.1	39	458	3.05	12	43	116	< 10
3639	M-248	16° 25.13' S	30° 2.57' E	9	< 1	< 0.1	41	100	2.84	10	36	< 2	< 10
3640	M-249	16° 25.38' S	30° 2.47' E	10	< 1	0.1	27	65	2.49	11	43	< 2	< 10
3641	M-250	16° 25.40' S	30° 2.29' E	19	< 1	0.1	22	75	2.44	6	13	< 2	< 10
3642	M-251	16° 25.63' S	30° 2.27' E	76	2	0.1	26	127	3.34	17	50	< 2	< 10
3643	M-252	16° 25.67' S	30° 2.54' E	19	< 1	< 0.1	30	77	2.62	12	36	< 2	< 10
3644	M-253	16° 25.96' S	30° 2.55' E	60	5	< 0.1	26	112	3.02	15	67	< 2	< 10
3645	M-254	16° 26.20' S	30° 2.57' E	48	2	0.1	13	64	3.48	12	35	< 2	< 10
3646	M-255	16° 26.21' S	30° 2.24' E	87	3	0.1	30	38	2.53	10	34	< 2	10
3647	M-256	16° 26.19' S	30° 2.04' E	47	< 1	0.1	24	137	5.23	25	19	< 2	< 10
3648	M-257	16° 25.91' S	30° 2.04' E	42	< 1	0.1	39	465	6.10	18	18	70	< 10
3649	M-258	16° 25.66' S	30° 2.00' E	80	1	< 0.1	23	57	2.69	10	40	< 2	< 10
3650	M-259	16° 25.93' S	30° 2.26' E	29	2	0.1	25	106	2.24	8	44	< 2	< 10
3651	M-260	16° 22.70' S	29° 59.17' E	81	< 1	< 0.1	46	199	6.36	21	38	< 2	< 10
3652	M-261	16° 22.67' S	29° 58.91' E	35	< 1	< 0.1	27	76	2.49	10	51	< 2	< 10
3653	M-262	16° 22.67' S	29° 58.62' E	61	< 1	0.3	40	146	4.72	15	48	< 2	< 10
3654	M-263	16° 22.69' S	29° 58.34' E	17	< 1	0.1	34	113	3.47	16	52	< 2	< 10
3655	M-264	16° 22.68' S	29° 58.05' E	60	7	< 0.1	27	187	5.54	20	45	< 2	< 10
3656	M-265	16° 22.64' S	29° 57.78' E	3	< 1	0.1	19	12	1.02	2	15	< 2	< 10
3657	M-266	16° 22.70' S	29° 57.52' E	10	< 1	< 0.1	21	38	2.04	9	43	< 2	< 10
3658	M-267	16° 22.70' S	29° 57.21' E	54	< 1	< 0.1	46	469	4.84	17	32	78	< 10
3659	M-268	16° 22.91' S	29° 57.21' E	44	3	0.1	20	82	3.88	13	27	< 2	< 10
3660	M-269	16° 22.93' S	29° 57.50' E	32	< 1	< 0.1	13	42	1.74	3	13	77	< 10
3661	M-270	16° 22.93' S	29° 57.76' E	14	10	0.1	25	172	5.25	19	60	< 2	< 10
3662	M-271	16° 22.95' S	29° 58.03' E	9	< 1	0.1	34	92	3.49	10	29	< 2	< 10
3663	M-272	16° 22.98' S	29° 58.34' E	56	< 1	0.1	31	194	6.24	18	36	< 2	< 10
3664	M-273	16° 22.96' S	29° 58.63' E	57	3	0.2	16	160	3.45	10	57	< 2	< 10
3665	M-274	16° 22.97' S	29° 58.92' E	83	< 1	< 0.1	28	265	7.37	23	32	< 2	< 10
3666	M-275	16° 22.94' S	29° 59.16' E	8	< 1	0.2	18	155	3.60	22	215	< 2	< 10
3667	M-276	17° 19.18' S	30° 2.44' E	< 1	1	< 0.1	12	21	1.40	5	29	< 2	< 10
3668	M-277	17° 19.18' S	30° 2.71' E	< 1	3	0.1	35	34	2.19	9	40	< 2	< 10
3669	M-278	17° 19.20' S	30° 2.99' E	1	2	< 0.1	23	29	2.09	7	34	< 2	< 10
3670	M-279	17° 19.19' S	30° 3.27' E	< 1	4	0.2	23	40	2.12	7	37	< 2	< 10
3671	M-280	17° 18.92' S	30° 3.28' E	< 1	1	0.2	24	75	1.99	6	34	< 2	< 10
3672	M-281	17° 18.92' S	30° 3.00' E	< 1	< 1	0.2	19	29	1.75	7	31	39	< 10
3673	M-282	17° 21.08' S	30° 5.25' E	4	4	0.4	20	35	1.72	6	47	< 2	< 10
3674	M-283	17° 21.08' S	30° 5.54' E	4	1	0.3	13	16	0.72	5	13	< 2	< 10
3675	M-284	17° 21.09' S	30° 5.82' E	24	< 1	0.1	25	22	0.91	5	15	< 2	< 10
3676	M-285	17° 20.82' S	30° 5.81' E	< 1	< 1	< 0.1	14	15	0.69	3	11	< 2	< 10

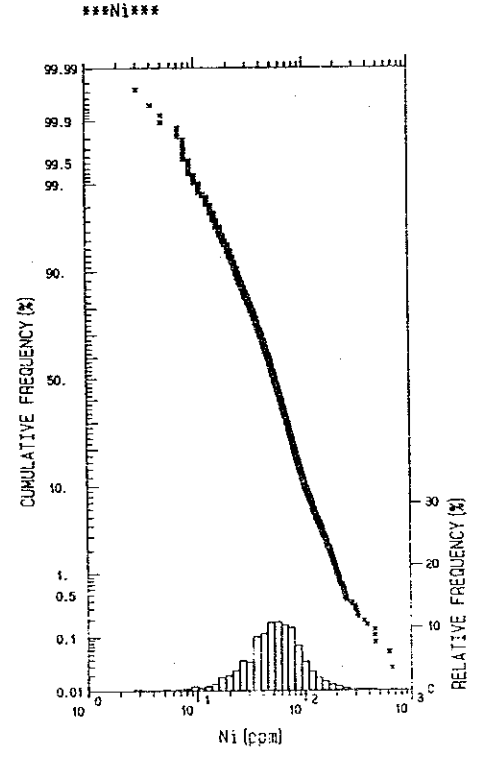
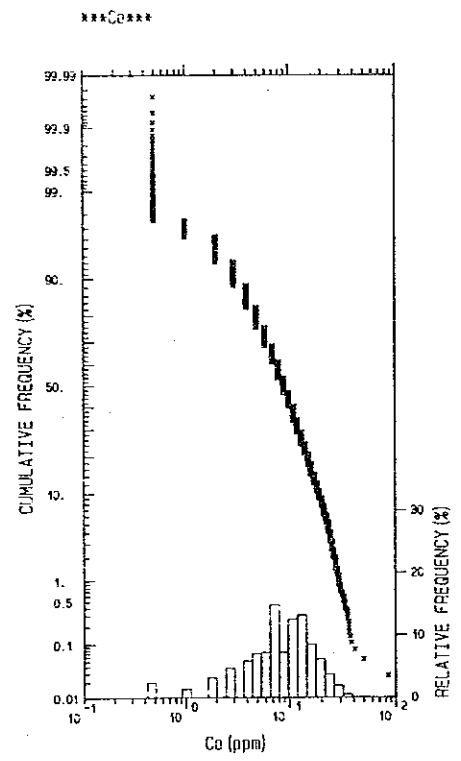
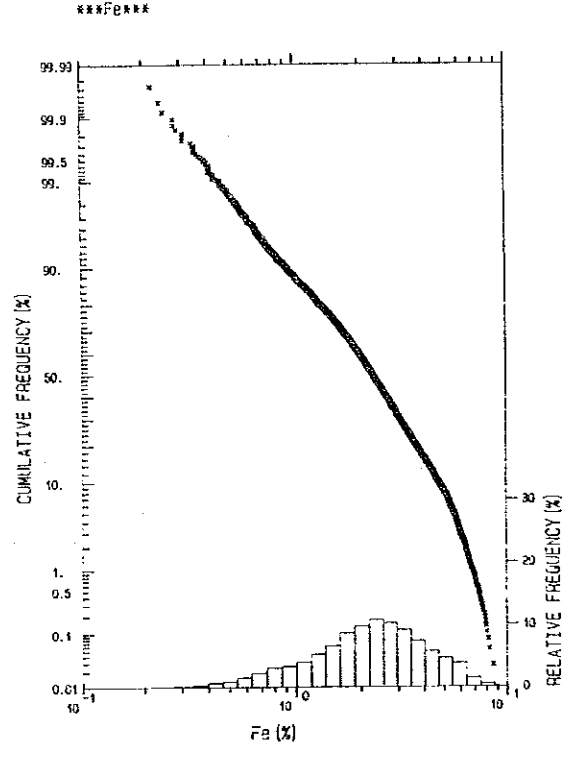
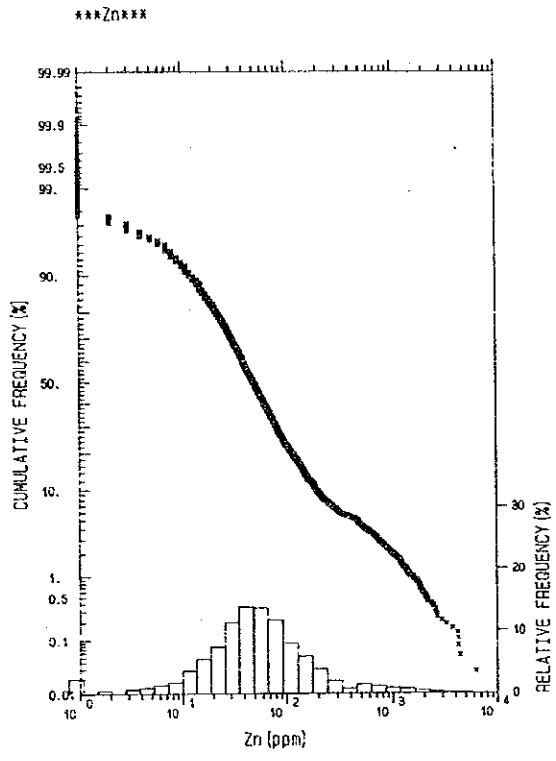


A-5 Frequency distribution and cumulative frequency of each elements. (1)

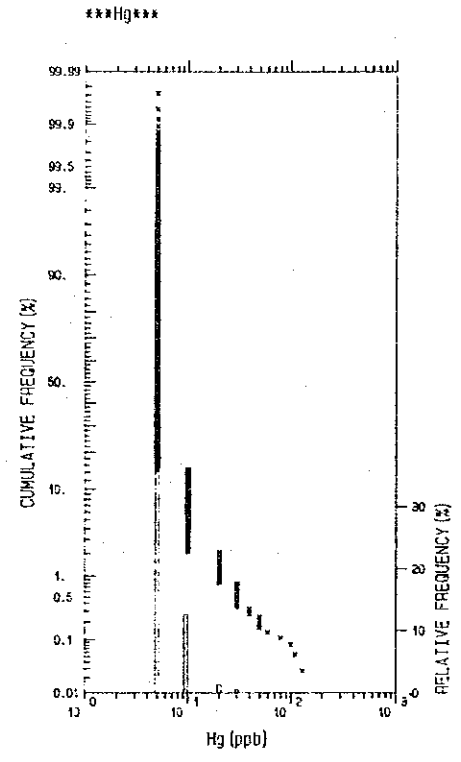
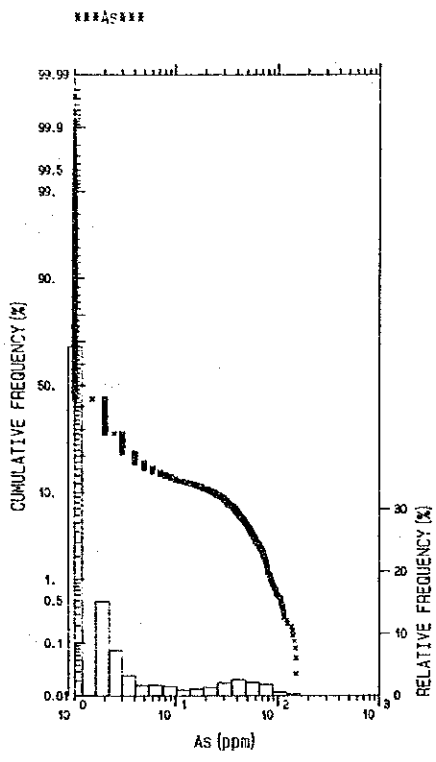




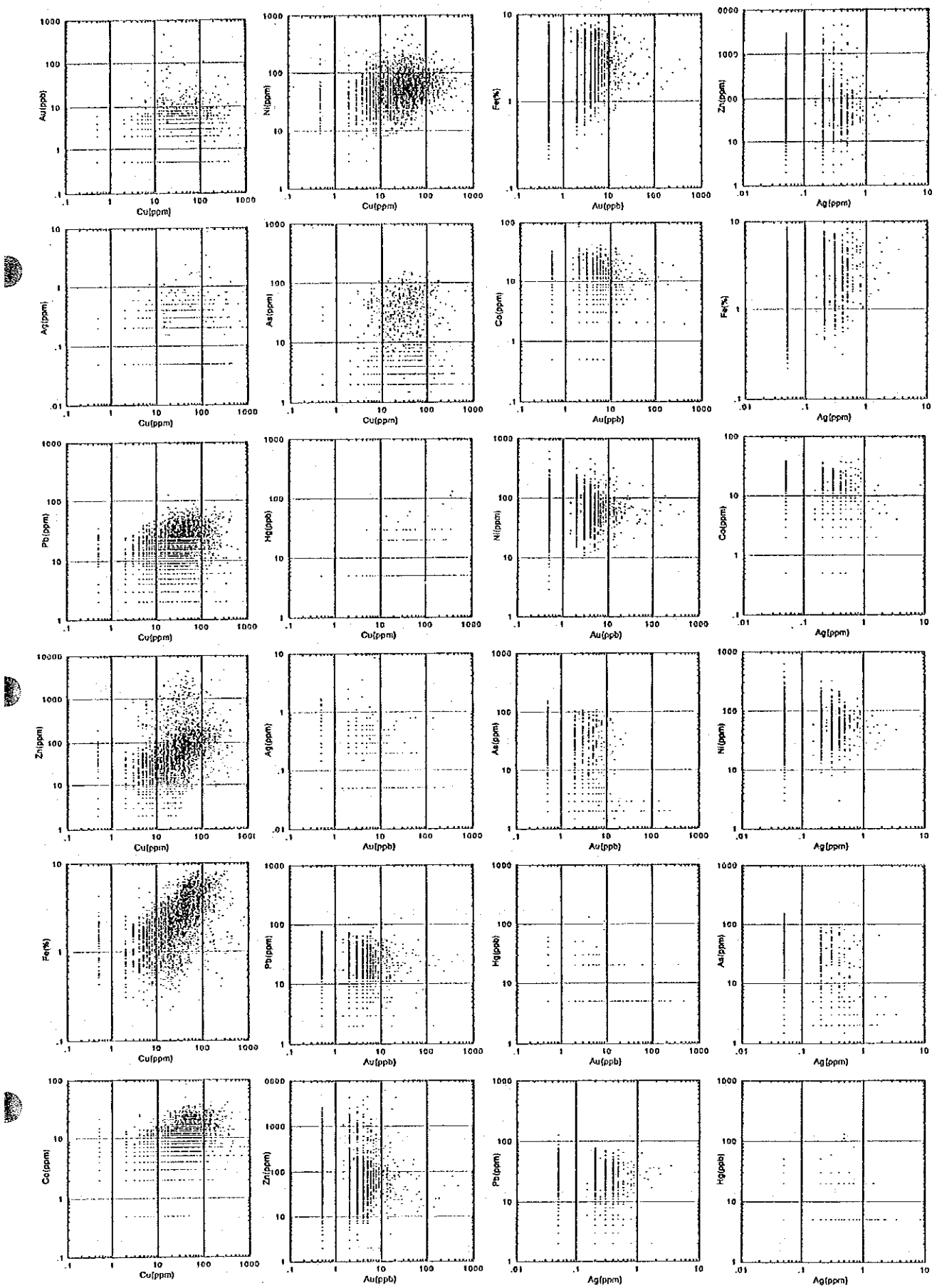




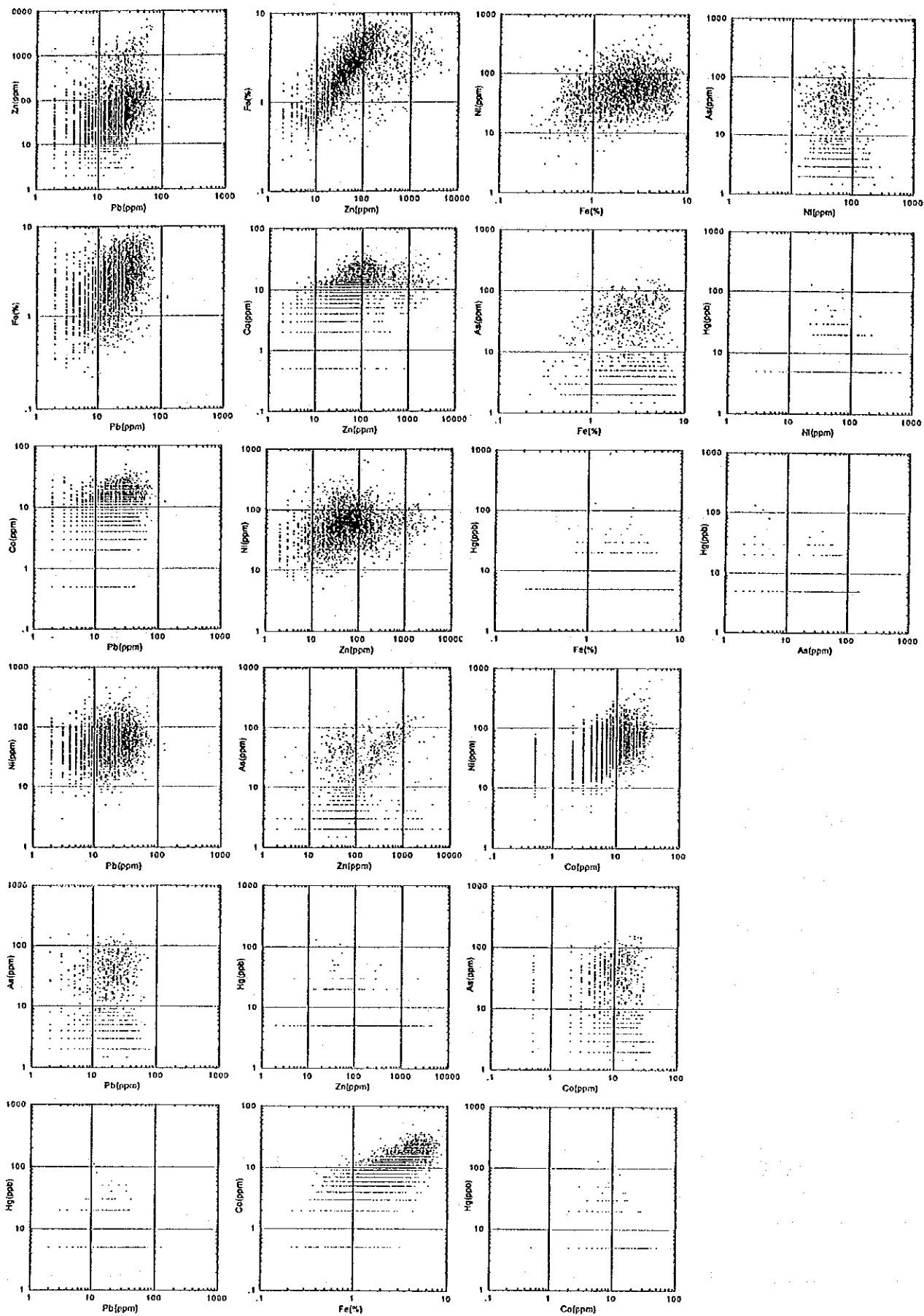
A-5 Frequency distribution and cumulative frequency of each elements. (2)



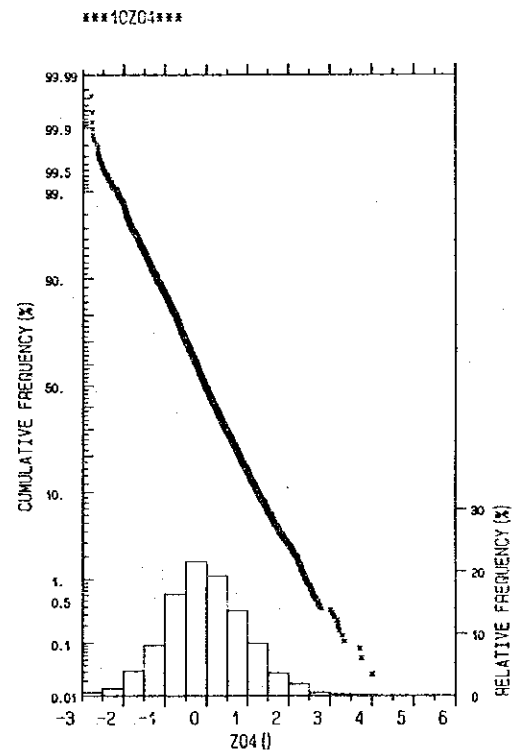
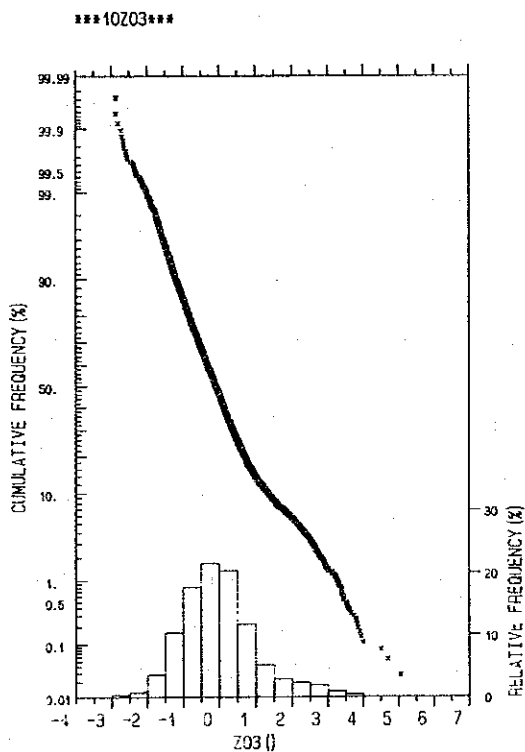
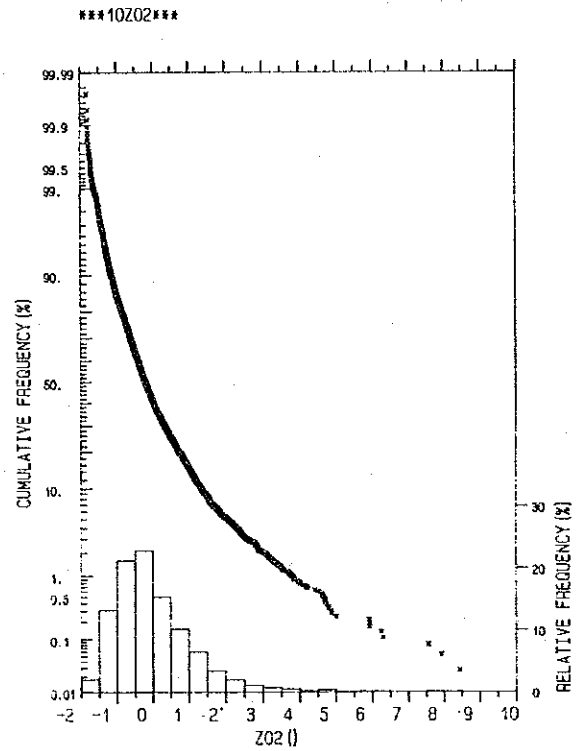
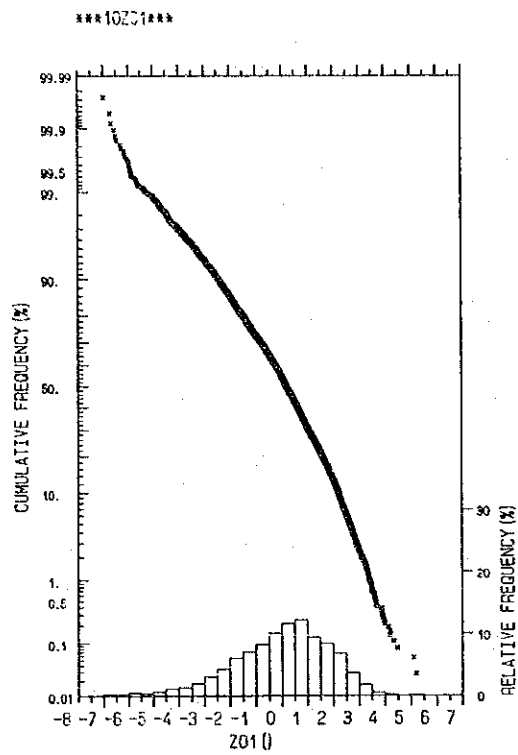
A-5 Frequency distribution and cumulative frequency of each elements. (3)



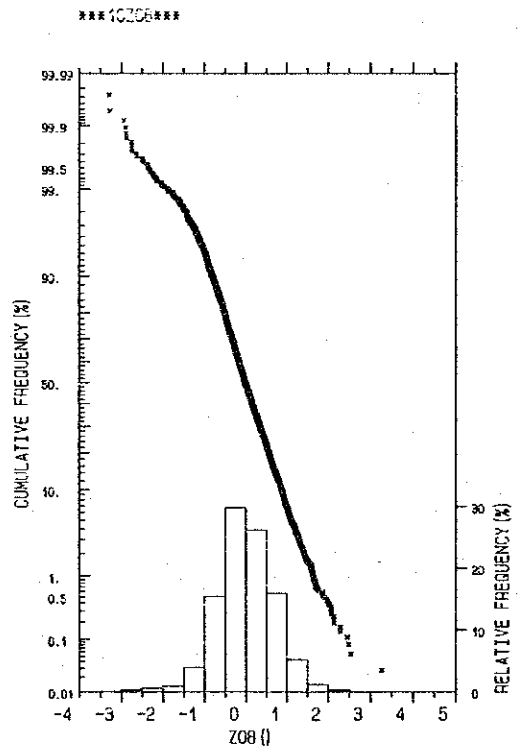
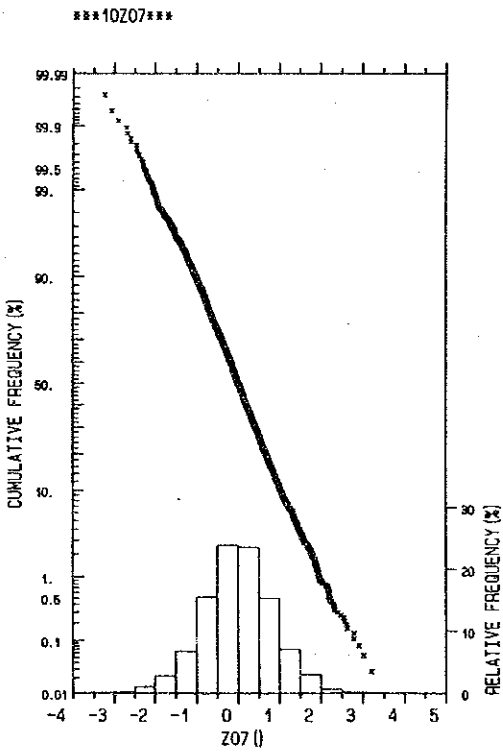
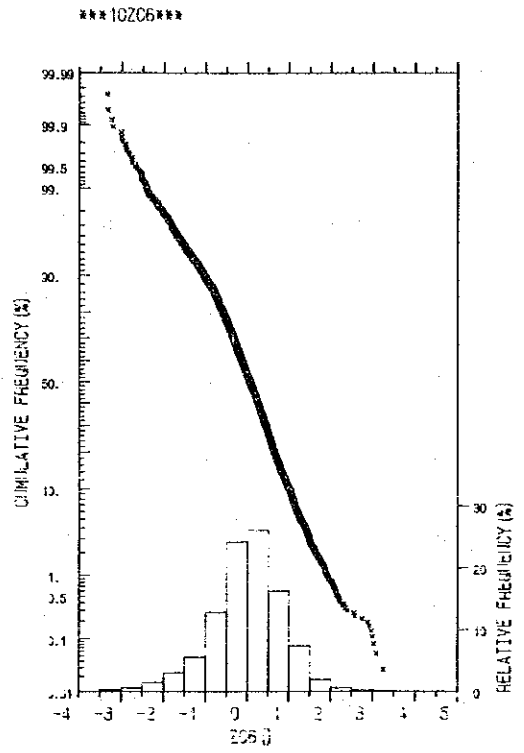
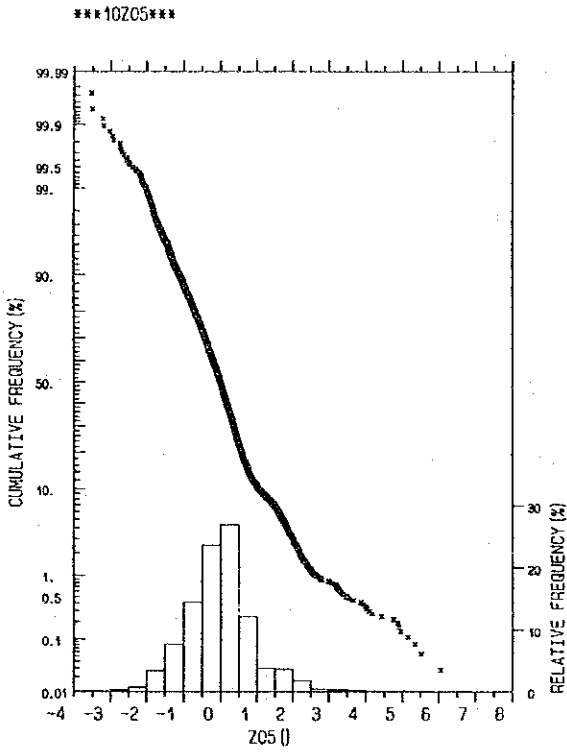
A-6 Scatter diagrams for the each element. (1)



A-6 Scatter diagrams for the each element. (2)

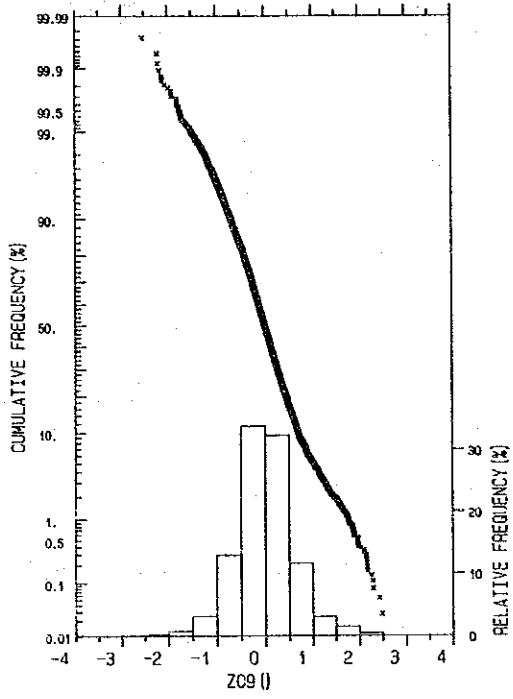


**A-7 Frequency distribution and cumulative frequency of the principal component score(10 elements) (1)**

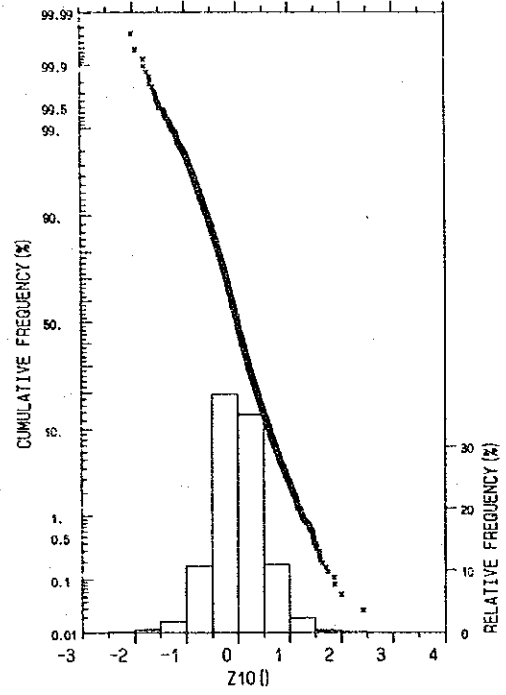


**A-7 Frequency distribution and cumulative frequency of the principal component score(10 elements) (2)**

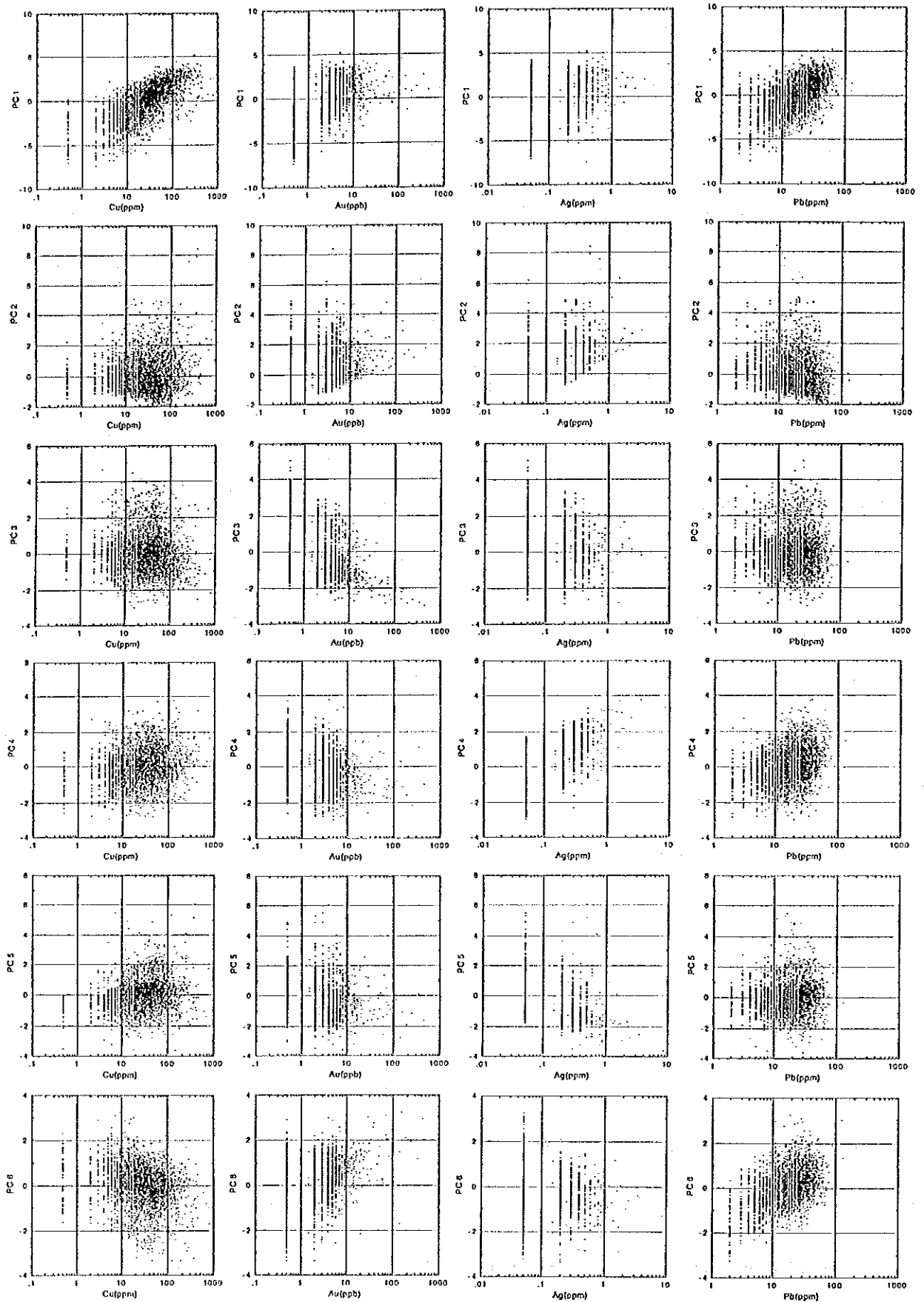
\*\*\*10Z09\*\*\*



\*\*\*10Z10\*\*\*

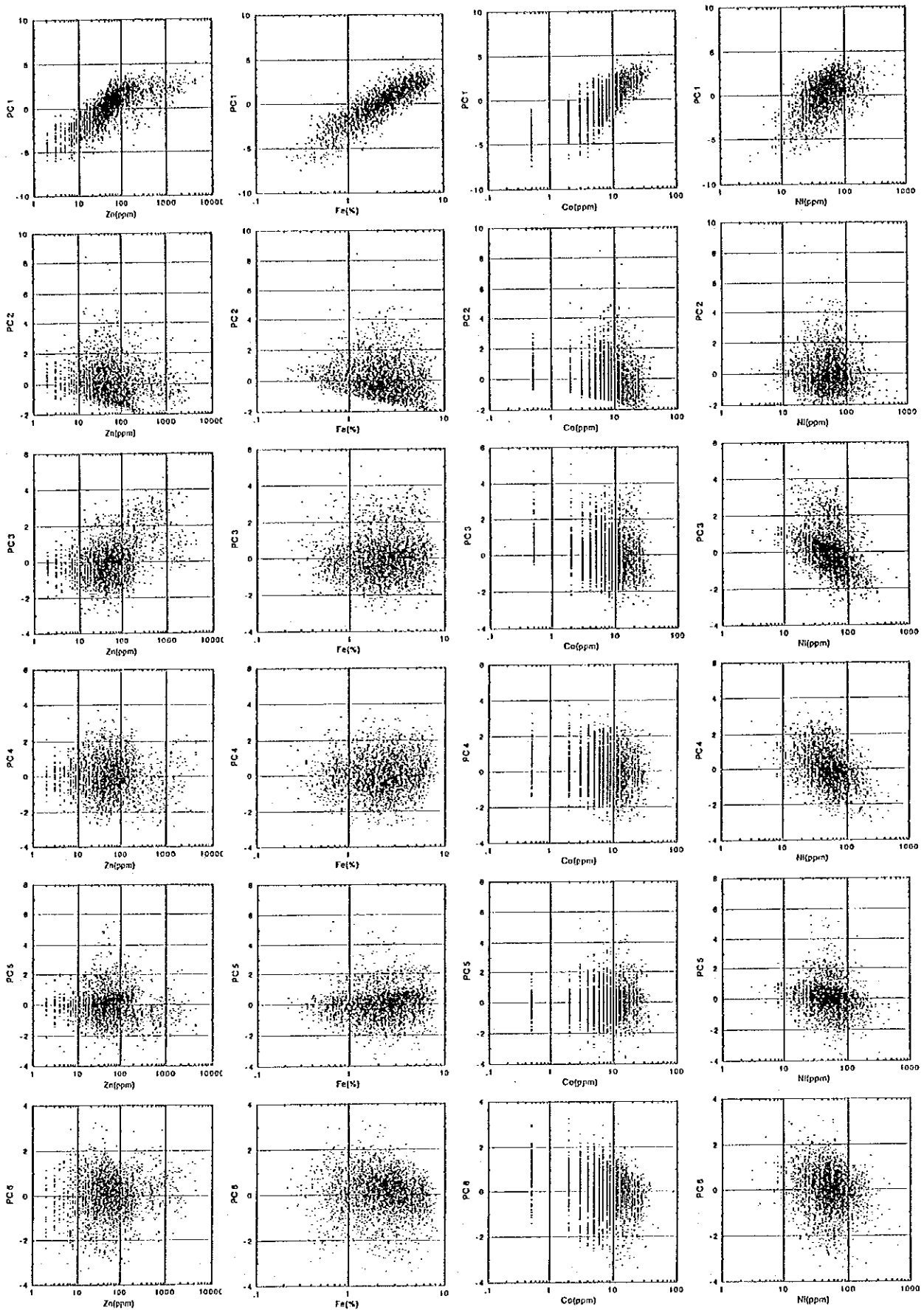


A-7 Frequency distribution and cumulative frequency of the principal component score(10 elements) (3)

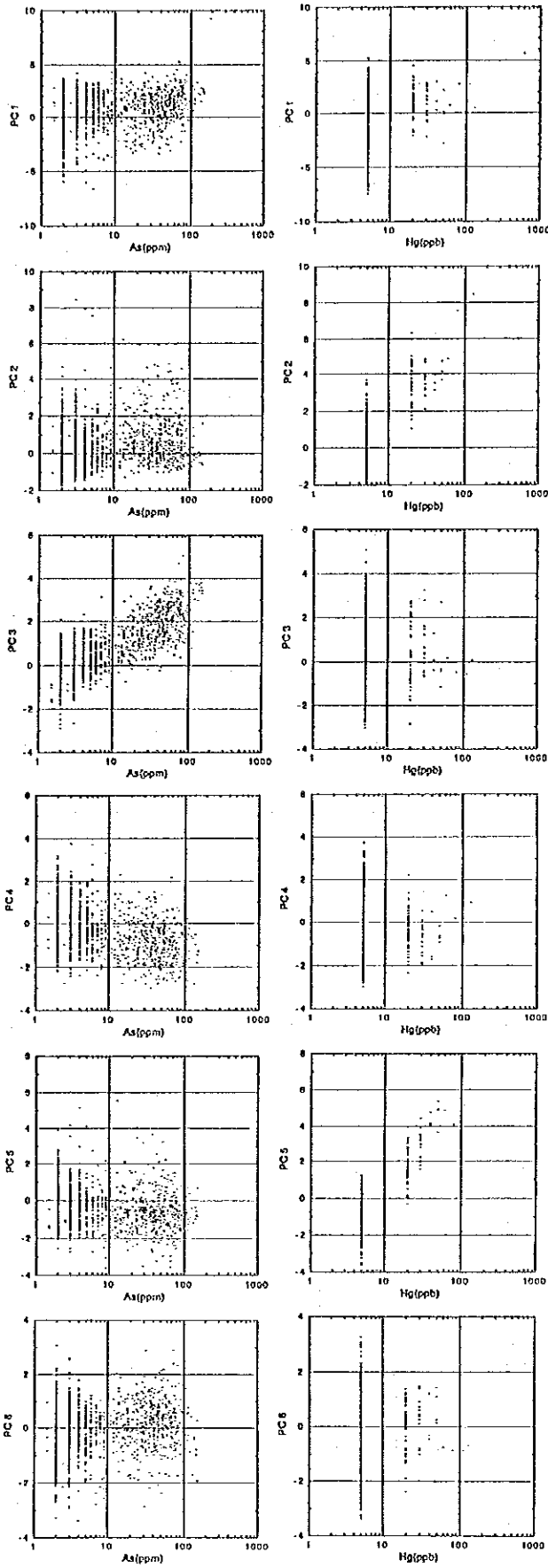


A-8 Scatter diagrams of principal components (10 elements) vs. chemical components. (1)



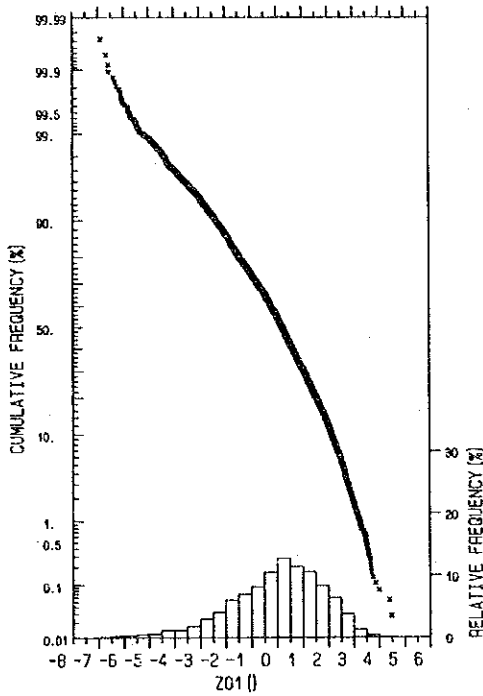


**A-8 Scatter diagrams of principal components (10 elements) vs. chemical components. (2)**

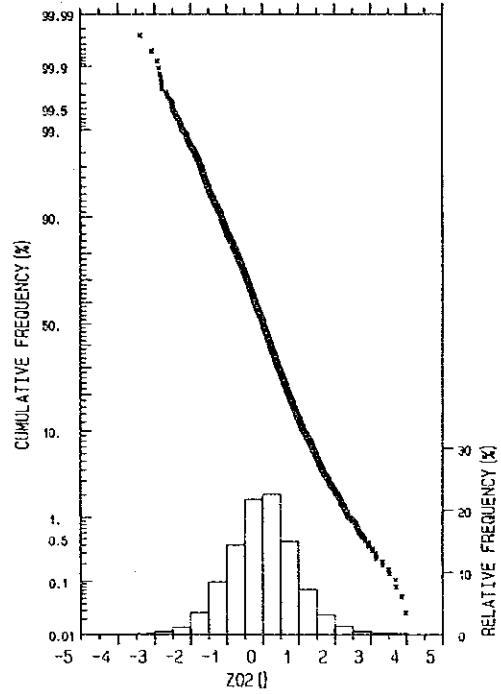


**A-8 Scatter diagrams of principal components (10 elements) vs. chemical components. (3)**

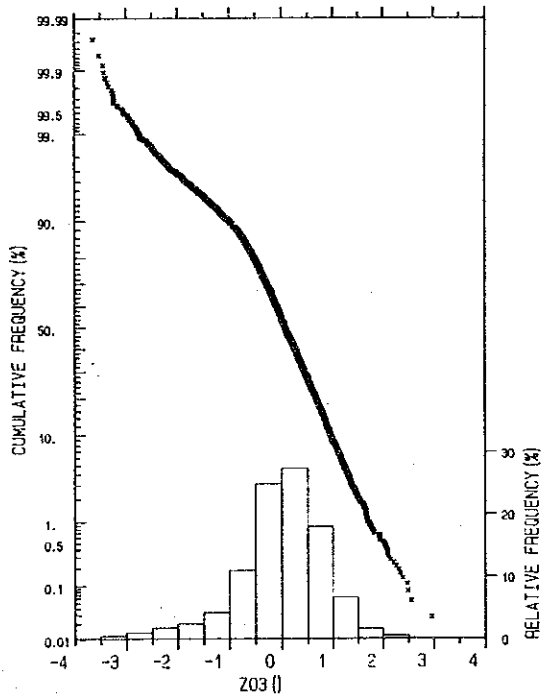
\*\*\*06Z1\*\*\*



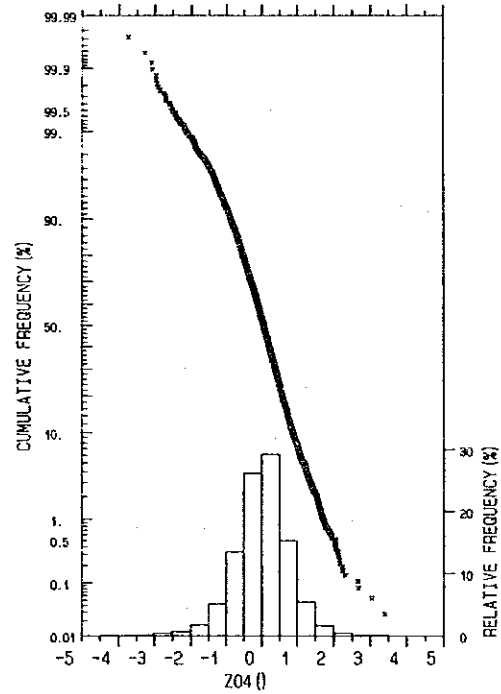
\*\*\*06Z2\*\*\*



\*\*\*06Z3\*\*\*

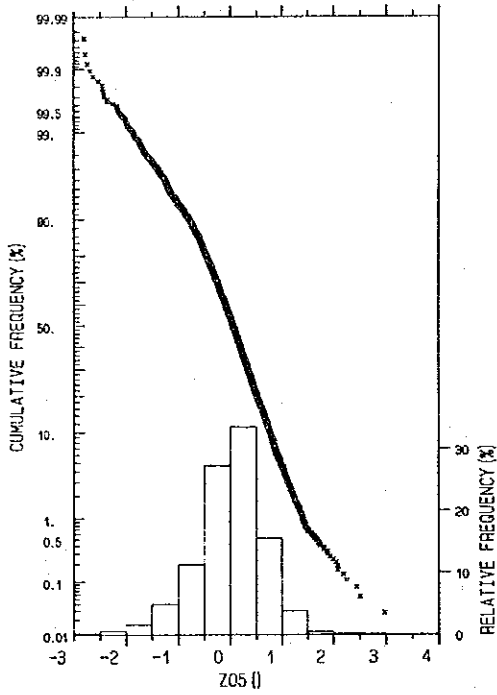


\*\*\*06Z4\*\*\*

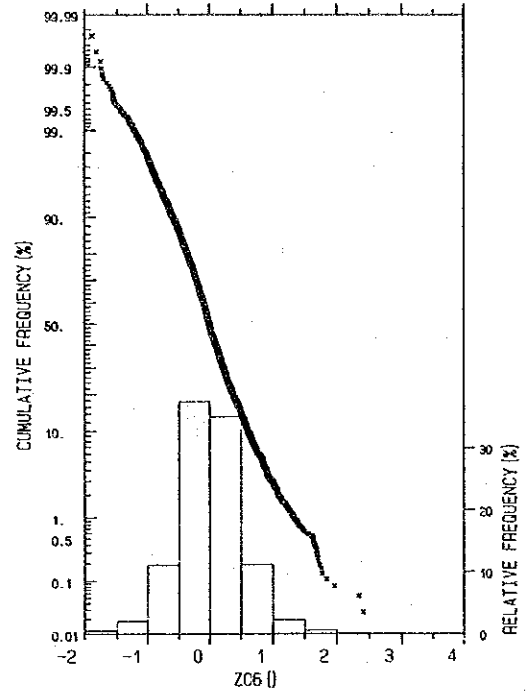


A-9 Frequency distribution and cumulative frequency of the principal component score(6 elements). (1)

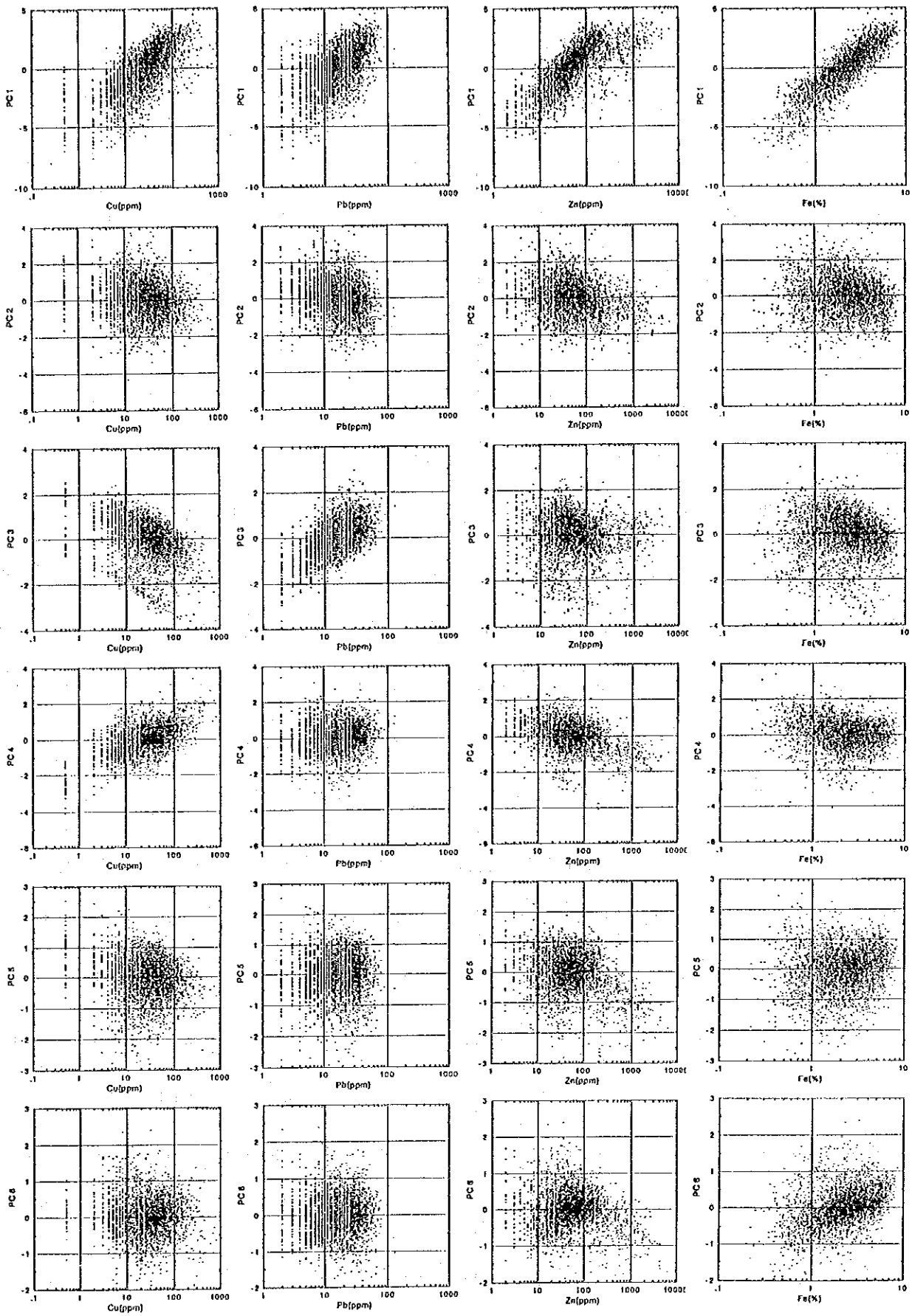
\*\*\*0625\*\*\*



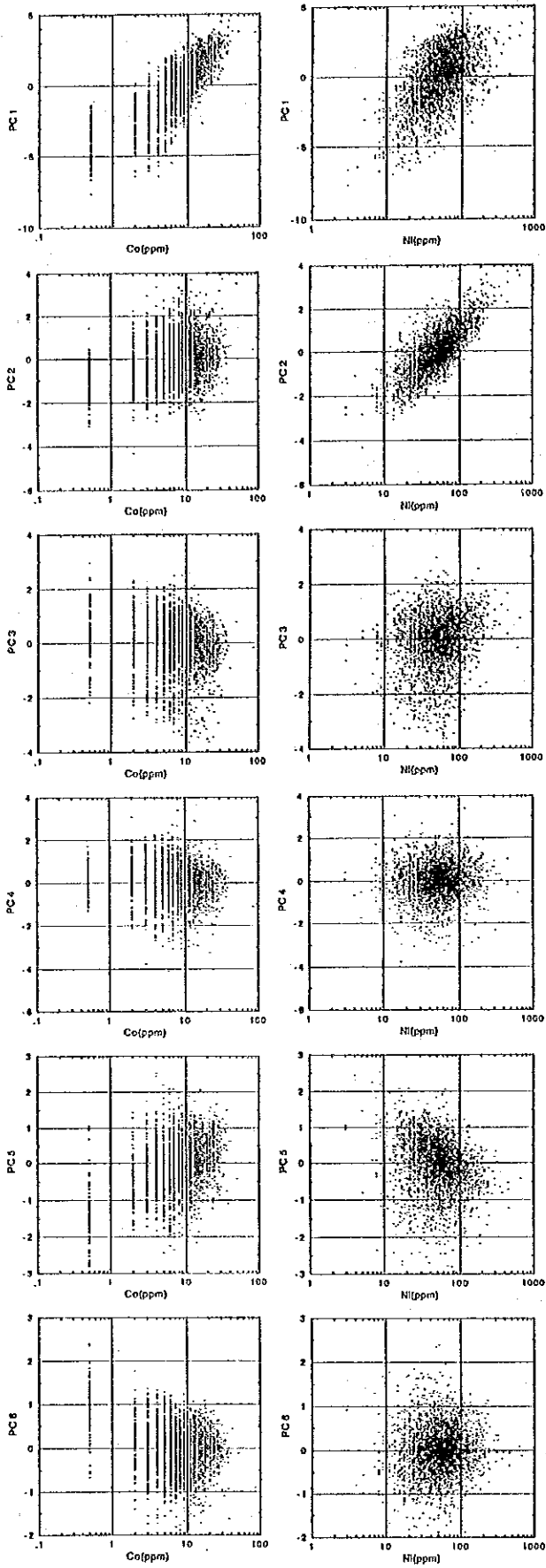
\*\*\*0626\*\*\*



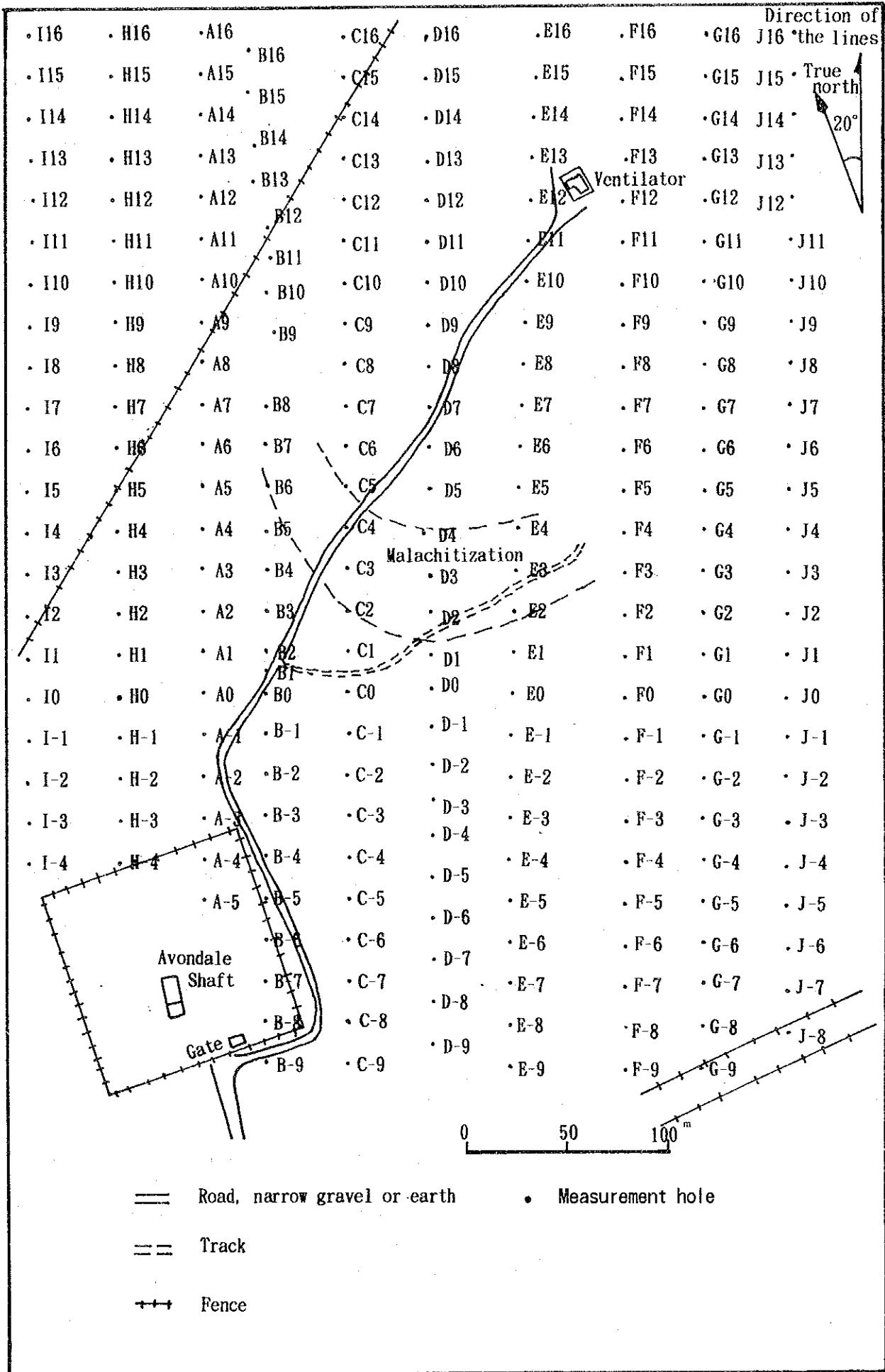
A-9 Frequency distribution and cumulative frequency of the principal component score(6 elements). (2)



**A-10 Scatter diagrams of principal components(6 elements) vs. chemical components. (1)**



A-10 Scatter diagrams of principal components(6 elements) vs. chemical components. (2)

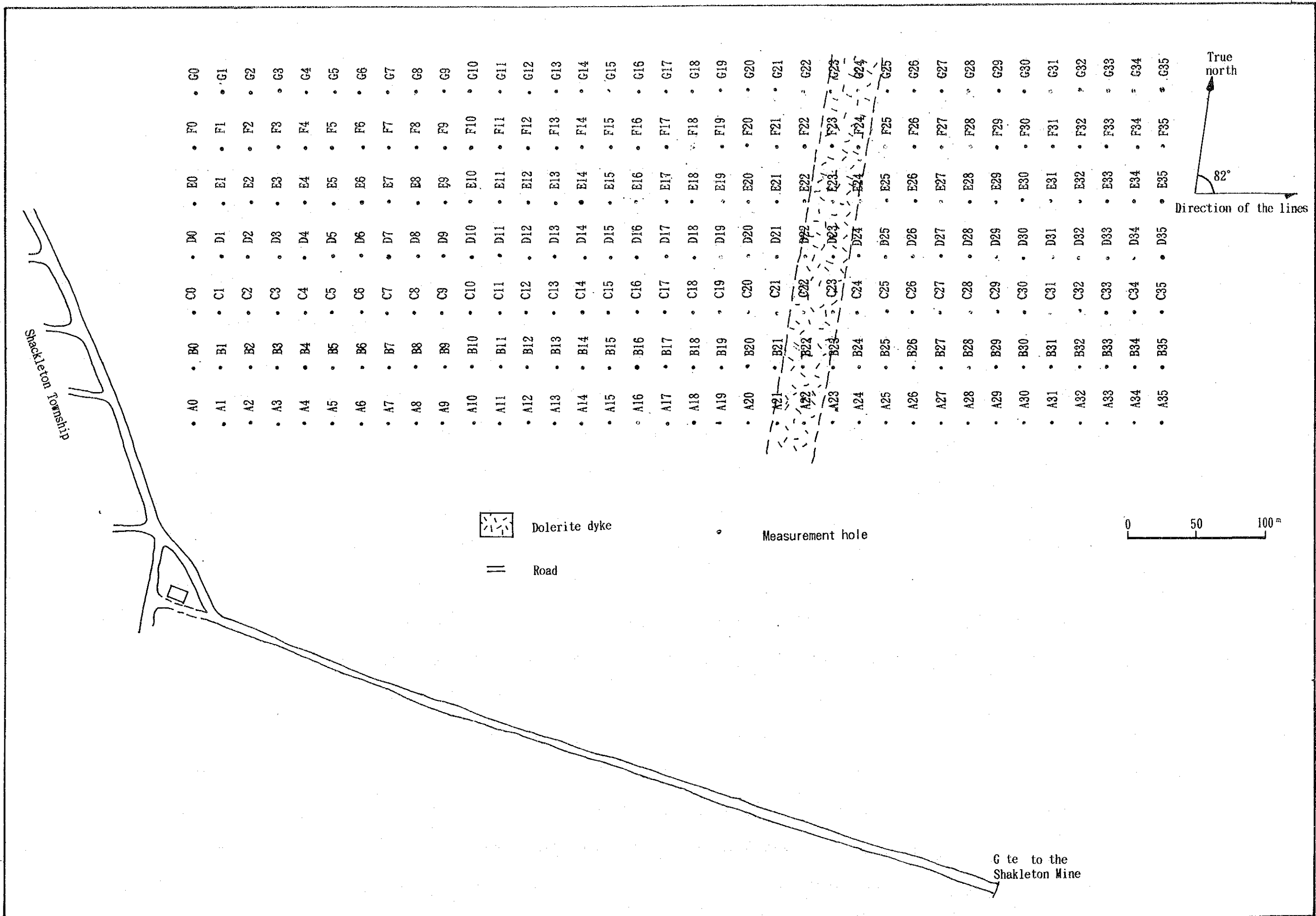


A-11 Locality of the measurement sites for the CO<sub>2</sub> gas chromatography.(1)



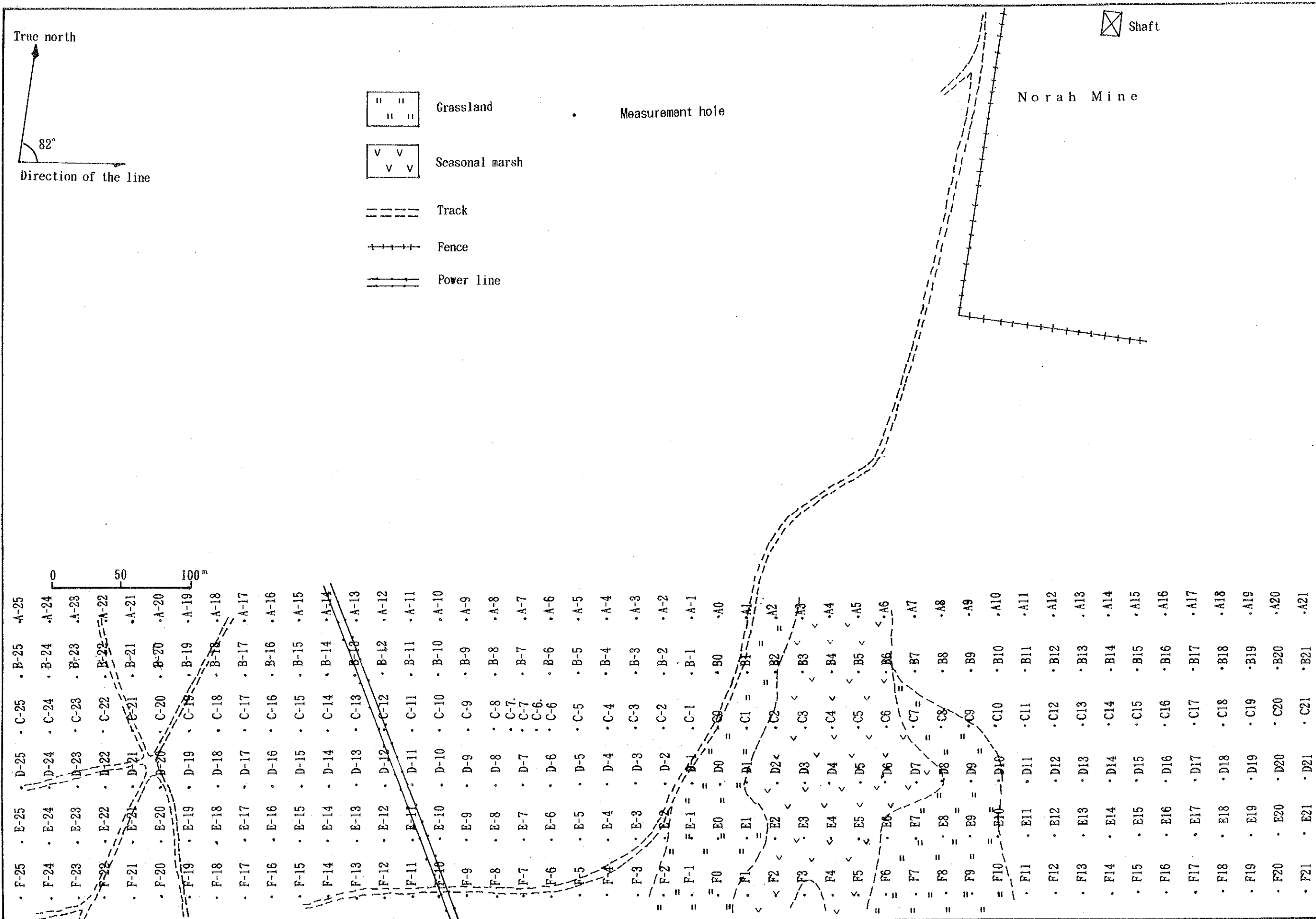






A-11 Locality of the measurement sites for the CO<sub>2</sub> gas chromatography. 2)

A 81 ~ A 82



A-11 Locality of the measurement sites for the CO<sub>2</sub> gas chromatography. (3)



A-12 Result of the CO<sub>2</sub> gas chromatographic measurements.

(1)

No.	Point No.	Depth (cm)	Soil color	Fragments	Coordination		1st time			2nd time			average CO <sub>2</sub> (%)	Remarks
					X (m)	Y (m)	Temperature Bot. (° C)	Temperature Atm. (° C)	CO <sub>2</sub> (%)	Temperature Bot. (° C)	Temperature Atm. (° C)	CO <sub>2</sub> (%)		
Avondale area														
Latitude and longitude of the point B-4 by GPS are S17°18.00' and 30° 3.01', respectively.														
1	A	-5	50 d. y. orge		-36.3	-4.3	22.3	20.1	0.23	24.2	25.4	0.19	0.21	
2	A	-4	50 d. y. orge		-26.9	13.3	18.3	20.2	0.04	24.0	24.3	0.11	0.08	
3	A	-3	50 d. y. orge		-17.5	31.0	19.8	13.7	0.12	23.2	25.8	0.22	0.17	
4	A	-2	55 d. y. orge		-8.1	48.6	19.8	14.6	0.12	23.3	24.4	0.24	0.18	
5	A	-1	55 d. y. brn		1.3	66.3	17.0	12.5	0.10	23.4	24.1	0.27	0.19	
6	A	0	55 l. brn		10.6	84.0	19.8	13.2	0.11	23.5	24.7	0.19	0.15	
7	A	1	55 l. brn		20.0	101.6	23.4	24.1	0.19	24.0	25.1	0.12	0.16	
8	A	2	55 d. y. orge		29.4	119.3	25.6	21.3	0.14	24.3	23.6	0.12	0.13	
9	A	3	55 p. y. brn		38.8	136.9	23.4	24.1	0.12	24.8	24.5	0.10	0.11	
10	A	4	50 d. y. orge		48.2	154.6	24.0	23.0	0.10	24.4	24.9	0.09	0.10	
11	A	5	57 m. y. brn		57.6	172.3	22.8	21.8	0.10	24.8	23.8	0.09	0.10	
12	A	6	55 m. y. brn		67.0	189.9	24.7	21.0	0.40	24.0	23.5	0.50	0.45	
13	A	7	50 d. y. orge		76.4	207.6	24.0	23.4	0.07	24.7	24.2	0.12	0.09	
14	A	8	53 d. y. orge		85.8	225.2	23.3	23.7	0.15	25.3	24.9	0.15	0.15	
15	A	9	50 l. brn		95.1	242.9	24.4	23.0	0.08	24.6	24.8	0.14	0.11	
16	A	10	50 d. y. brn		104.5	260.6	24.3	22.5	0.11	24.7	25.1	0.12	0.12	
17	A	11	50 d. y. orge		113.9	278.2	24.3	22.7	0.17	24.1	24.6	0.15	0.16	
18	A	12	50 l. brn		123.3	295.9	24.7	22.1	0.19	25.6	23.8	0.22	0.21	
19	A	13	50 l. brn		132.7	313.5	24.4	22.2	0.21	25.8	24.7	0.11	0.16	
20	A	14	50 l. brn		142.1	331.2	24.0	22.5	0.11	24.7	24.8	0.24	0.18	
21	A	15	50 l. brn		151.5	348.8	23.1	21.2	0.14	25.0	24.6	0.09	0.11	
22	A	16	50 m. y. brn		160.9	366.5	24.7	24.0	0.14	25.6	26.5	0.05	0.10	
23	B	-9	50 d. y. orge		-46.9	-88.3	18.4	21.1	0.09	23.4	24.4	0.14	0.12	
24	B	-8	50 m. y. brn		-37.6	-70.6	19.9	20.8	0.07	24.0	23.2	0.15	0.11	
25	B	-7	50 d. y. orge		-28.2	-53.0	19.4	21.0	0.18	23.4	23.6	0.18	0.18	
26	B	-6	50 d. y. orge		-18.8	-35.3	19.2	15.6	0.12	24.7	23.1	0.15	0.14	
27	B	-5	50 d. y. orge		-9.4	-17.7	21.3	15.4	0.19	25.1	23.6	0.16	0.18	
28	B	-4	55 d. y. orge		0.0	0.0	20.4	15.2	0.32	25.3	24.7	0.09	0.21	
29	B	-3	55 l. brn		9.4	17.5	17.8	14.9	0.10	24.9	23.5	0.17	0.14	
30	B	-2	50 d. y. orge		18.8	34.9	16.4	15.2	0.14	24.8	22.9	0.35	0.25	
31	B	-1	50 l. brn		28.2	52.4	18.3	12.8	0.13	24.0	23.9	0.06	0.10	
32	B	0	55 l. brn		37.6	69.8	18.4	14.5	0.13	23.4	23.3	0.18	0.16	
33	B	1	55 l. brn		42.3	78.6	18.0	14.6	0.07	23.3	22.4	0.10	0.09	
34	B	2	55 d. y. orge		47.0	87.3	26.6	23.4	0.22	24.3	24.4	0.35	0.29	
35	B	3	55 d. y. orge		56.4	104.4	23.2	22.0	0.10	25.4	25.4	0.23	0.17	
36	B	4	55 m. y. brn		65.9	121.5	23.2	22.5	0.13	25.4	25.3	0.11	0.12	
37	B	5	55 m. y. brn		75.3	138.6	23.6	22.6	0.09	26.0	23.7	0.18	0.14	
38	B	6	55 d. y. orge		85.8	157.6	23.5	20.5	0.18	25.5	24.3	0.08	0.13	
39	B	7	55 m. y. brn		94.0	175.3	25.2	22.4	0.12	26.0	24.0	0.13	0.13	
40	B	8	55 d. y. orge		102.9	191.4	26.8	27.1	0.27	25.8	23.2	0.22	0.25	
41	B	9	50 d. y. orge		124.0	220.8	23.8	26.2	0.14	24.4	22.0	0.22	0.18	
42	B	10	43 d. y. orge	Qz f. rich	129.7	239.8	23.5	24.1	0.17	25.3	24.0	0.11	0.14	
43	B	11	60 d. y. orge	Qz	139.3	253.7	24.9	22.7	0.11	25.3	23.7	0.13	0.12	
44	B	12	60 m. y. brn	Qz	144.7	267.0	23.6	21.6	0.14	26.0	26.4	0.21	0.18	
45	B	13	60 p. y. brn	Qz	149.4	291.0	24.8	21.3	0.22	26.3	24.8	0.16	0.19	
46	B	14	60 d. y. orge	c. Qz (Imm)	157.9	305.2	19.2	21.0	0.12	25.3	24.6	0.10	0.11	
47	B	15	47 d. y. orge	Qz f.	167.5	329.9	22.8	22.8	0.11	25.3	23.6	0.16	0.14	
48	B	16	60 d. y. orge		177.0	347.0	23.4	24.1	0.12	25.0	24.2	0.10	0.11	
49	C	-9	50 d. y. orge		-11.5	-107.5	20.9	18.4	0.16	23.7	25.1	0.27	0.22	
50	C	-8	50 l. brn		-2.1	-89.9	18.2	17.0	0.09	22.9	23.2	0.11	0.10	
51	C	-7	50 l. brn		7.2	-72.2	20.5	17.6	0.12	23.3	23.1	0.14	0.13	
52	C	-6	55 d. y. brn		16.6	-54.5	20.6	16.9	0.21	22.6	22.4	0.17	0.19	
53	C	-5	55 l. brn		26.0	-36.9	20.6	15.3	0.14	22.6	23.0	0.15	0.15	
54	C	-4	55 m. y. brn		35.4	-19.2	19.4	16.5	0.08	22.6	23.4	0.16	0.12	
55	C	-3	53 m. y. brn		44.8	-1.7	21.0	17.5	0.18	23.3	21.7	0.13	0.16	
56	C	-2	57 m. y. brn		54.1	15.8	20.3	16.7	0.11	23.2	23.7	0.17	0.14	
57	C	-1	55 l. brn		63.5	33.3	19.5	17.2	0.13	23.2	22.3	0.21	0.17	
58	C	0	55 l. brn		72.9	50.9	21.6	17.6	0.23	23.0	21.8	0.35	0.29	
59	C	1	55 d. y. orge		82.2	68.4	23.8	20.7	0.16	22.7	23.0	0.17	0.17	
60	C	2	55 m. y. brn		91.5	86.0	22.7	21.0	0.18	22.8	21.6	0.18	0.18	
61	C	3	55 l. brn		100.7	103.5	23.0	23.9	0.09	23.2	21.8	0.16	0.13	
62	C	4	60 d. y. brn		110.0	121.1	22.5	20.7	0.10	22.0	22.1	0.10	0.10	
63	C	5	50 d. y. brn		119.3	138.6	22.0	29.1	0.12	23.4	21.4	0.12	0.12	
64	C	6	53 m. y. brn		128.5	156.2	21.5	20.6	0.17	24.2	22.1	0.20	0.19	
65	C	7	52 m. y. brn		137.8	173.8	22.6	21.7	0.12	23.2	23.5	0.11	0.12	
66	C	8	55 m. y. brn	Qz	147.0	191.3	22.2	19.9	0.14	22.7	25.3	0.10	0.12	
67	C	9	55 d. y. brn		156.3	208.9	21.7	21.3	0.22	21.7	23.6	0.23	0.23	
68	C	10	55 m. y. brn		165.6	226.4	22.8	22.2	0.25	21.9	24.4	0.16	0.21	
69	C	11	53 m. y. brn		174.8	244.0	21.1	22.9	0.07	22.6	23.4	0.13	0.10	
70	C	12	55 d. y. brn		184.1	261.6	22.0	22.2	0.15	22.4	23.5	0.14	0.15	
71	C	13	55 l. brn		193.3	279.1	22.6	22.1	0.14	22.6	24.2	0.19	0.17	
72	C	14	54 p. y. orge		202.6	296.7	23.2	24.3	0.11	21.7	23.3	0.09	0.10	
73	C	15	55 d. y. orge		211.9	314.2	23.1	23.5	0.11	22.6	22.7	0.15	0.13	
74	C	16	55 p. y. orge		221.1	331.8	23.8	22.7	0.16	22.0	21.6	0.13	0.15	
75	D	-9	55 m. brn		28.7	-118.0	20.1	19.1	0.15	17.6	13.2	0.20	0.18	
76	D	-8	55 m. brn		38.1	-100.4	20.0	17.2	0.12	16.7	14.4	0.24	0.18	
77	D	-7	50 l. brn		47.5	-82.7	20.5	17.3	0.12	19.2	15.4	0.18	0.15	
78	D	-6	50 l. brn		56.9	-65.0	18.3	18.3	0.11	17.5	16.5	0.10	0.11	
79	D	-5	55 d. y. orge		66.3	-47.4	18.8	16.8	0.12	19.6	14.8	0.17	0.15	
80	D	-4	50 l. brn		75.7	-29.7	22.6	16.6	0.43	20.6	16.3	0.58	0.51	

No.	Point No.	Depth (cm)	Soil color	Fragments	Coordination		1st time			2nd time			average CO2 (%)	Remarks
					X (m)	Y (m)	Temperature		CO2 (%)	Temperature		CO2 (%)		
							Bot. (° C)	Atm. (° C)		Bot. (° C)	Atm. (° C)			
81	D	-3	55 m. y. brn		83.9	-14.1	20.9	19.7	0.08	19.8	16.2	0.18	0.13	
82	D	-2	55 l. brn		92.1	1.5	19.2	19.6	0.15	19.4	16.3	0.12	0.14	
83	D	-1	56 l. brn		100.3	17.2	21.6	17.2	0.08	18.5	15.6	0.12	0.10	
84	D	0	54 m. y. brn		108.5	32.8	17.9	18.4	0.05	19.7	15.7	0.09	0.07	
85	D	1	55 l. brn		116.6	48.4	22.3	24.1	0.09	18.2	16.5	0.20	0.15	
86	D	2	55 l. brn		125.9	66.1	23.0	23.1	0.10	18.0	16.1	0.14	0.12	
87	D	3	53 d. y. orge		135.2	83.7	23.1	21.3	0.11	17.8	17.0	0.23	0.17	
88	D	4	55 l. brn		144.5	101.3	21.9	21.5	0.10	17.5	16.3	0.06	0.08	
89	D	5	55 d. y. brn		153.8	118.9	22.2	24.8	0.67	-	-	-	0.67	Closed by ant
90	D	6	55 m. y. brn		163.1	136.5	21.9	23.0	0.12	19.2	20.3	0.13	0.13	
91	D	7	50 l. brn		172.4	154.1	21.9	21.2	0.16	19.6	20.2	0.18	0.17	
92	D	8	55 l. brn		181.7	171.8	22.9	23.5	0.15	21.3	19.6	0.17	0.16	
93	D	9	52 l. brn		191.0	189.4	24.0	22.6	0.12	21.2	20.2	0.28	0.20	
94	D	10	50 p. y. brn		200.3	207.0	23.8	20.4	0.11	20.9	21.0	0.17	0.14	
95	D	11	55 d. y. brn		209.6	224.6	22.6	20.6	0.24	22.4	21.9	0.16	0.20	
96	D	12	55 l. brn		218.9	242.2	21.8	20.4	0.12	22.2	20.9	0.11	0.12	
97	D	13	53 l. brn		228.2	259.8	21.5	22.9	0.13	21.8	21.0	0.12	0.13	
98	D	14	54 p. y. brn		237.5	277.4	21.0	20.7	0.13	21.5	21.2	0.11	0.12	
99	D	15	55 gry. orge		246.7	295.1	21.1	20.6	0.12	22.0	21.5	0.13	0.13	
100	D	16	55 gry. orge		256.0	312.7	21.6	20.5	0.14	22.1	21.9	0.15	0.15	
101	E	-9	53 d. y. brn		56.8	-146.0	20.0	20.4	0.10	22.1	25.0	0.25	0.18	
102	E	-8	57 d. y. orge		66.2	-128.4	19.9	19.5	0.24	21.9	28.0	0.16	0.20	
103	E	-7	50 l. brn		75.5	-110.7	19.6	21.4	0.14	21.0	26.0	0.12	0.13	
104	E	-6	50 m. brn		84.9	-93.1	17.2	20.2	0.11	20.0	26.3	0.05	0.08	
105	E	-5	53 m. brn		94.3	-75.4	20.4	18.6	0.12	24.0	25.4	0.17	0.15	
106	E	-4	57 d. y. brn		103.7	-57.8	20.4	19.6	0.08	24.1	26.0	0.18	0.13	
107	E	-3	55 d. y. brn		113.4	-40.2	19.9	21.8	0.10	24.0	29.1	0.19	0.15	
108	E	-2	55 m. brn		123.1	-22.6	20.6	19.8	0.18	24.8	28.4	0.24	0.21	
109	E	-1	50 d. y. orge		132.8	-5.1	19.0	20.3	0.11	25.0	28.5	0.15	0.13	
110	E	0	50 m. brn		142.5	12.5	20.4	20.3	0.13	24.9	28.4	0.36	0.25	
111	E	1	55 l. brn		152.2	30.0	18.8	15.7	0.15	24.9	28.3	0.14	0.15	
112	E	2	50 l. brn		162.3	47.2	18.8	15.2	0.12	24.8	27.5	0.16	0.14	
113	E	3	54 l. brn		172.5	64.3	19.1	17.3	0.16	23.2	32.2	0.30	0.23	
114	E	4	56 l. brn		182.6	81.4	20.5	16.8	0.17	23.1	31.5	0.26	0.22	
115	E	5	50 d. y. orge		192.8	98.5	20.6	17.1	0.08	22.6	26.8	0.08	0.08	
116	E	6	55 l. brn		203.0	115.6	20.2	15.4	0.16	25.1	26.5	0.22	0.19	
117	E	7	55 l. brn		213.1	132.8	20.1	16.8	0.16	25.5	26.3	0.26	0.21	
118	E	8	52 p. brn		223.3	149.9	20.0	22.9	0.10	25.6	27.3	0.19	0.14	
119	E	9	54 l. brn		233.4	167.0	21.8	17.4	0.18	25.8	27.4	0.17	0.18	
120	E	10	55 m. brn		243.6	184.1	21.2	19.2	0.25	26.0	28.1	0.22	0.24	
121	E	11	56 m. brn		253.8	201.3	20.8	17.5	0.15	25.7	26.6	0.17	0.16	
122	E	12	55 d. y. orge		263.9	218.4	21.2	18.6	0.13	25.6	29.4	0.19	0.16	
123	E	13	55 l. brn		274.1	235.5	21.2	20.5	0.12	26.4	27.7	0.23	0.18	
124	E	14	54 d. y. orge		284.2	252.6	22.0	18.4	0.12	25.3	28.4	0.23	0.18	
125	E	15	55 m. brn		294.4	269.8	22.2	22.0	0.13	25.2	27.2	0.17	0.15	
126	E	16	52 l. brn		304.6	286.9	21.6	20.4	0.09	25.0	28.4	0.16	0.13	
127	F	-9	50 l. brn		104.4	-173.5	20.3	22.0	0.09	22.8	26.6	0.17	0.13	
128	F	-8	55 d. y. orge		113.8	-155.9	20.9	20.1	0.20	25.6	25.7	0.11	0.16	
129	F	-7	50 m. brn		123.2	-138.2	20.6	21.8	0.10	25.6	25.9	0.17	0.14	
130	F	-6	50 l. brn		132.6	-120.6	21.8	22.0	0.17	25.3	25.0	0.21	0.19	
131	F	-5	50 d. y. orge		142.0	-102.9	20.4	23.7	0.12	26.3	26.2	0.16	0.14	
132	F	-4	57 l. brn		151.3	-85.3	20.8	21.4	0.20	24.6	26.8	0.26	0.23	
133	F	-3	55 l. brn		160.8	-67.8	23.9	21.5	0.15	24.0	24.4	0.19	0.17	
134	F	-2	55 d. y. brn		170.2	-50.3	21.3	21.5	0.07	25.8	26.8	0.13	0.10	
135	F	-1	50 d. y. orge		179.6	-32.8	20.7	20.5	0.14	25.3	26.3	0.11	0.13	
136	F	0	51 d. y. brn		189.0	-15.3	21.3	22.0	0.14	24.8	26.3	0.15	0.15	
137	F	1	55 d. y. brn		198.4	2.2	21.5	22.9	0.10	24.9	26.5	0.11	0.11	
138	F	2	56 m. y. brn		207.9	19.9	21.4	23.3	0.27	25.0	28.0	0.29	0.28	
139	F	3	50 d. y. brn		217.3	37.6	21.1	21.2	0.10	25.5	26.7	0.08	0.09	
140	F	4	57 l. brn		226.7	55.3	20.8	20.7	0.15	25.5	30.2	0.16	0.16	
141	F	5	55 l. brn		236.1	73.0	21.0	20.8	0.16	25.2	27.2	0.16	0.16	
142	F	6	50 m. y. orge		245.5	90.6	19.3	21.3	0.15	25.0	28.7	0.16	0.16	
143	F	7	55 l. brn		254.9	108.3	21.4	21.3	0.15	25.2	25.0	0.10	0.13	
144	F	8	55 d. y. orge		264.3	126.0	20.5	20.4	0.19	25.0	30.2	0.16	0.18	
145	F	9	50 d. y. orge		273.7	143.7	22.3	20.5	0.27	26.0	27.1	0.13	0.20	
146	F	10	53 l. brn		283.1	161.4	20.4	20.0	0.10	25.2	25.5	0.12	0.11	
147	F	11	55 m. brn		292.5	179.1	21.3	20.2	0.16	25.5	27.7	0.17	0.17	
148	F	12	55 d. y. orge		301.9	196.7	20.7	20.8	0.17	24.5	26.5	0.22	0.20	
149	F	13	53 l. brn		311.3	214.4	22.8	20.2	0.16	25.0	25.6	0.10	0.13	
150	F	14	50 l. brn		320.7	232.1	20.7	10.6	0.12	24.9	29.3	0.13	0.13	
151	F	15	55 d. y. orge		330.1	249.8	20.4	21.1	0.14	25.4	29.8	0.13	0.14	
152	F	16	55 l. brn		339.5	267.5	21.3	20.2	0.13	25.4	28.4	0.16	0.15	
153	G	-9	50 l. brn		138.9	-190.3	19.5	22.0	0.21	25.2	25.6	0.18	0.20	
154	G	-8	55 d. y. orge		148.3	-172.7	20.6	22.9	0.15	23.7	26.6	0.17	0.16	
155	G	-7	55 d. y. brn		157.7	-155.0	18.8	20.8	0.16	24.9	23.9	0.17	0.17	
156	G	-6	50 l. brn		167.1	-137.3	21.7	22.2	0.50	24.9	25.7	0.17	0.34	
157	G	-5	50 l. brn		176.5	-119.7	21.2	22.7	0.11	24.2	24.8	0.13	0.12	
158	G	-4	55 m. brn		185.9	-102.0	21.1	21.9	0.11	23.7	25.6	0.12	0.12	
159	G	-3	55 m. red		195.2	-84.6	19.3	21.8	0.09	21.6	27.3	0.10	0.10	
160	G	-2	54 d. y. brn		204.5	-67.2	19.0	23.2	0.11	21.8	27.5	0.16	0.14	
161	G	-1	52 m. y. orge		213.8	-49.7	20.1	22.0	0.13	22.0	26.0	0.12	0.13	
162	G	0	56 l. brn		223.1	-32.3	22.7	20.7	0.10	22.9	23.8	0.22	0.16	

No.	Point No.	Depth (cm)	Soil color	Fragments	Coordination		1st time			2nd time			average		Remarks
					X (m)	Y (m)	Temperature			Temperature			CO2		
							Bot. (° C)	Atm. (° C)	CO2 (%)	Bot. (° C)	Atm. (° C)	CO2 (%)	CO2 (%)		
163	G 1	50	d. y. orge		232.4	-14.9	20.6	20.2	0.11	23.2	22.8	0.16	0.13		
164	G 2	55	l. brn		242.0	2.7	21.5	19.9	0.65	25.7	24.9	0.22	0.43		
165	G 3	50	l. brn		251.5	20.2	21.9	21.0	0.40	23.8	21.3	0.10	0.25		
166	G 4	56	d. y. orge		261.1	37.7	20.7	22.9	0.09	21.3	23.1	0.08	0.09		
167	G 5	55	d. y. orge		270.7	55.3	19.6	20.7	0.06	21.3	24.8	0.09	0.08		
168	G 6	50	l. brn		280.2	72.8	19.2	21.6	0.15	21.6	26.0	0.19	0.17		
169	G 7	50	d. y. orge		289.8	90.3	16.9	19.9	0.11	21.0	22.0	0.14	0.13		
170	G 8	55	l. brn		299.4	107.9	21.0	19.9	0.48	22.2	23.0	0.27	0.38		
171	G 9	50	l. brn		308.9	125.4	19.7	22.8	0.20	22.5	24.8	0.14	0.17		
172	G 10	50	d. y. orge		318.5	142.9	20.2	21.4	0.14	23.4	23.2	0.13	0.14		
173	G 11	52	l. brn		328.1	160.5	19.8	21.6	0.07	22.7	22.9	0.14	0.11		
174	G 12	52	d. y. orge		337.6	178.0	21.6	23.4	0.15	23.2	24.0	0.16	0.16		
175	G 13	55	l. brn		347.2	195.5	21.7	22.0	0.15	21.8	21.5	0.09	0.12		
176	G 14	50	l. brn		356.8	213.1	21.1	20.6	0.19	22.4	22.0	0.19	0.19		
177	G 15	50	l. brn		366.5	230.5	18.8	23.9	0.10	21.3	20.3	0.11	0.11		
178	G 16	53	d. y. brn		375.9	248.1	18.8	20.8	0.09	19.3	18.7	0.13	0.11		
179	H -4	50	l. brn		-62.9	31.7	19.0	12.5	0.32	23.8	25.7	0.23	0.28		
180	H -3	50	m. brn		-53.5	49.3	18.7	12.7	0.21	23.5	24.8	0.20	0.21		
181	H -2	55	d. y. brn		-44.1	67.0	20.4	11.9	0.08	24.1	23.7	0.15	0.12		
182	H -1	55	d. y. brn		-34.7	84.6	18.1	12.3	0.11	23.7	24.4	0.10	0.11		
183	H 0	50	d. y. orge		-25.4	102.3	20.4	13.8	0.18	23.6	24.3	0.19	0.19		
184	H 1	55	l. brn		-16.0	120.0	25.4	22.8	0.10	23.8	24.8	0.16	0.13		
185	H 2	50	d. y. orge		-6.7	137.7	23.7	24.6	0.10	22.0	24.3	0.13	0.12		
186	H 3	50	d. y. brn		2.5	155.5	23.8	23.0	0.11	22.6	24.8	0.16	0.14		
187	H 4	55	d. y. orge		11.8	173.3	23.8	23.4	0.36	23.8	24.1	0.18	0.27		
188	H 5	55	m. brn		21.0	191.1	24.4	26.3	0.08	24.2	26.5	0.14	0.11		
189	H 6	55	d. y. orge		30.3	208.9	25.0	26.4	0.35	23.5	24.3	0.17	0.26		
190	H 7	55	l. brn		39.5	226.7	24.3	22.8	0.27	23.7	25.4	0.31	0.29		
191	H 8	55	m. brn		48.8	244.4	23.8	21.8	0.09	23.5	25.9	0.12	0.11		
192	H 9	55	l. brn		58.0	262.2	23.8	22.1	0.25	23.5	24.1	0.10	0.18		
193	H 10	55	l. brn		67.3	280.0	22.6	22.7	0.06	23.1	24.4	0.09	0.08		
194	H 11	55	m. y. brn		76.5	297.8	22.8	22.3	0.14	23.1	25.1	0.20	0.17		
195	H 12	55	m. red		85.8	315.6	23.4	24.8	0.11	23.6	24.5	0.14	0.13		
196	H 13	55	g. orge		95.0	333.3	23.7	25.0	0.08	23.5	26.5	0.12	0.10		
197	H 14	55	d. y. brn		104.3	351.1	23.4	22.4	0.28	22.1	24.4	0.07	0.18		
198	H 15	55	l. brn		113.5	368.9	25.6	23.8	0.16	23.6	25.6	0.19	0.18		
199	H 16	55	l. brn		122.8	386.7	25.1	24.5	0.15	23.0	25.0	0.13	0.14		
200	I -4	55	l. brn		-102.3	51.7	17.4	12.5	0.30	23.3	25.0	0.30	0.30		
201	I -3	50	d. y. brn		-92.9	69.4	16.7	12.4	0.10	22.7	25.2	0.17	0.14		
202	I -2	55	l. brn		-83.5	87.1	19.2	11.3	0.20	22.8	25.3	0.09	0.15		
203	I -1	50	l. brn		-74.1	104.7	20.6	11.1	0.36	23.6	26.8	0.56	0.46		
204	I 0	56	l. brn		-64.7	122.4	20.1	10.9	0.14	23.3	25.7	0.22	0.18		
205	I 1	50	d. y. orge		-55.3	140.0	23.2	25.7	0.13	23.0	25.8	0.06	0.10		
206	I 2	50	d. y. orge		-46.1	158.0	23.7	23.4	0.10	23.6	26.4	0.17	0.14		
207	I 3	50	d. y. orge		-36.8	175.7	23.7	23.7	0.16	23.9	26.4	0.21	0.19		
208	I 4	55	l. brn		-27.5	193.5	24.9	23.5	0.17	21.5	27.7	0.07	0.12		
209	I 5	50	d. y. brn		-18.0	211.3	24.4	24.5	0.21	20.8	29.4	0.14	0.18		
210	I 6	55	d. y. brn		-8.5	229.0	24.9	23.1	0.06	21.4	28.8	0.09	0.08		
211	I 7	55	d. y. brn		1.5	246.4	25.0	25.3	0.12	23.1	28.3	0.16	0.14		
212	I 8	50	m. brn		11.6	263.8	25.3	24.5	0.40	20.9	28.9	0.40	0.40		
213	I 9	50	v. ple. orge		21.0	281.4	23.5	23.0	0.17	21.8	29.0	0.23	0.20		
214	I 10	55	l. brn		30.5	299.1	24.0	24.6	0.16	21.6	29.7	0.13	0.15		
215	I 11	55	d. y. brn		40.7	316.7	23.6	21.8	0.35	21.1	28.9	0.32	0.34		
216	I 12	50	d. y. brn		50.8	334.3	23.4	25.0	0.31	23.1	25.6	0.35	0.33		
217	I 13	55	l. brn		59.6	352.2	23.6	21.8	0.16	21.9	26.5	0.13	0.15		
218	I 14	56	d. y. orge		68.4	370.1	24.6	21.6	0.17	21.8	26.4	0.20	0.19		
219	I 15	55	m. y. brn		78.0	387.8	24.1	23.4	0.14	21.7	25.5	0.15	0.15		
220	I 16	55	p. y. orge		87.5	405.5	24.4	27.3	0.09	20.4	28.3	0.11	0.10		
221	J -8	55	p. y. orge		181.7	-194.7	20.4	20.9	0.15	19.1	15.1	0.07	0.11		
222	J -7	55	p. y. orge		191.1	-177.1	20.0	22.9	0.19	19.0	16.3	0.13	0.16		
223	J -6	55	p. y. orge		200.5	-159.4	20.4	24.0	0.14	18.5	15.9	0.09	0.12		
224	J -5	55	l. brn		209.9	-141.8	19.3	23.1	0.10	20.1	15.4	0.16	0.13		
225	J -4	55	d. y. orge		219.2	-124.1	20.8	20.2	0.17	19.5	17.0	0.26	0.22		
226	J -3	55	d. y. orge		229.2	-105.2	19.4	20.1	0.10	18.5	16.3	0.13	0.12		
227	J -2	55	d. y. orge		239.2	-86.3	21.1	21.8	0.15	18.7	16.4	0.18	0.17		
228	J -1	55	l. brn		248.8	-69.1	19.2	23.3	0.19	18.9	18.1	0.26	0.23		
229	J 0	55	d. y. orge		258.4	-51.9	19.3	20.8	0.12	19.2	19.1	0.17	0.14		
230	J 1	55	d. y. orge		267.5	-33.9	19.8	20.7	0.09	19.2	17.8	0.11	0.10		
231	J 2	51	l. brn		277.3	-16.4	19.1	23.4	0.11	19.6	18.8	0.07	0.09		
232	J 3	50	d. y. orge		287.1	1.1	17.6	22.1	0.07	20.2	19.0	0.14	0.11		
233	J 4	50	d. y. orge		296.9	18.6	21.4	22.8	0.10	20.4	17.5	0.15	0.13		
234	J 5	50	l. brn		306.7	36.2	18.7	19.3	0.09	20.2	19.2	0.11	0.10		
235	J 6	50	d. y. brn		316.4	53.7	22.7	23.8	0.12	22.4	18.8	0.18	0.15		
236	J 7	50	l. brn		326.2	71.2	18.7	20.3	0.09	21.1	17.5	0.11	0.10		
237	J 8	55	l. brn		336.0	88.8	21.6	21.8	0.13	20.4	18.4	0.12	0.13		
238	J 9	50	l. brn		345.8	106.3	20.7	22.9	0.32	20.1	18.6	0.24	0.28		
239	J 10	50	d. y. orge		355.5	123.8	18.9	26.0	0.18	20.2	18.4	0.18	0.18		
240	J 11	50	l. brn		365.3	141.3	17.5	22.0	0.15	20.5	19.0	0.15	0.15		
241	J 12	53	d. y. brn		375.1	158.9	10.6	25.9	0.21	20.5	18.5	0.17	0.19		
242	J 13	50	l. brn		384.9	176.4	21.3	21.7	0.18	20.9	21.3	0.21	0.20		
243	J 14	55	l. brn		394.7	193.9	20.0	24.2	0.07	20.9	19.2	0.08	0.08		
244	J 15	50	l. brn		404.4	211.5	21.3	21.6	0.11	21.0	19.1	0.14	0.13		

Point No.	Point No.	Depth (cm)	Soil color	Fragments	Coordination		1st time			2nd time			average CO2 (%)	Remarks
					X (m)	Y (m)	Temperature			Temperature				
							Bot. (° C)	Atm. (° C)	CO2 (%)	Bot. (° C)	Atm. (° C)	CO2 (%)		
245	J 16	55	d. y. orge		414.2	229.0	22.2	23.4	0.21	21.0	21.1	0.17	0.19	
Norah area														
Latitude and longitude of the point A0 by GPS are S16°56.73' and 30° 8.89', respectively.														
246	A -25	55	d. y. orge		-500	80	23.1	-	0.04	23.7	-	0.05	0.05	
247	A -24	55	m. y. brn		-480	80	22.4	-	0.07	23.0	-	0.06	0.07	
248	A -23	55	m. r. brn		-460	80	22.0	-	0.07	-	-	0.07	0.07	
249	A -22	55	m. r. brn		-440	80	22.7	-	0.08	25.0	-	0.07	0.08	
250	A -21	55	m. r. brn		-420	80	16.3	-	0.05	23.0	-	0.05	0.05	
251	A -20	55	m. y. brn		-400	80	22.5	-	0.06	22.3	-	0.05	0.06	
252	A -19	55	m. r. brn		-380	80	22.5	-	0.07	22.8	-	0.07	0.07	
253	A -18	55	m. r. brn		-360	80	22.0	-	0.05	22.3	-	0.06	0.06	
254	A -17	55	m. r. brn		-340	80	23.7	-	0.17	23.5	-	0.05	0.11	
255	A -16	55	m. r. brn		-320	80	23.5	-	0.08	22.4	-	0.04	0.06	
256	A -15	55	d. y. brn		-300	80	22.7	-	0.06	23.0	-	0.06	0.06	
257	A -14	55	m. y. brn		-280	80	23.0	-	0.11	22.3	-	0.04	0.08	
258	A -13	55	m. r. brn		-260	80	23.2	-	0.07	24.5	-	0.06	0.07	
259	A -12	55	m. r. brn		-240	80	24.0	-	0.06	23.3	-	0.05	0.06	
260	A -11	55	g. brn		-220	80	22.1	-	0.08	22.2	-	0.06	0.07	
261	A -10	55	l. brn		-200	80	-	-	0.04	22.3	-	0.04	0.04	
262	A -9	55	Wht	Qz	-180	80	26.0	-	0.05	23.0	-	0.05	0.05	
263	A -8	55	m. r. brn		-160	80	22.3	-	0.05	22.4	-	0.05	0.05	
264	A -7	55	Wht	Qz	-140	80	22.0	-	0.04	22.0	-	0.05	0.05	
265	A -6	55	m. brn		-120	80	22.5	-	0.04	23.5	-	0.08	0.06	
266	A -5	55	Wht	Qz	-100	80	23.3	-	0.07	23.6	-	0.04	0.06	
267	A -4	55	p. r. brn		-80	80	23.3	-	0.05	22.6	-	0.05	0.05	
268	A -3	55	m. r. brn		-60	80	22.8	-	0.07	22.6	-	0.07	0.07	
269	A -2	55	Wht	Qz	-40	80	22.7	-	0.05	22.8	-	0.04	0.05	
270	A -1	55	m. brn		-20	80	22.0	-	0.07	22.3	-	0.06	0.07	
271	A 0	55	m. y. brn		0	80	24.5	-	0.08	24.6	-	0.06	0.07	
272	A 1	55	d. y. orge		20	80	22.4	-	0.10	21.6	-	0.20	0.15	
273	A 2	55	d. y. orge		40	80	19.7	-	0.12	19.0	-	0.14	0.13	
274	A 3	55	d. y. brn		60	80	18.0	-	0.33	17.8	-	0.27	0.30	
275	A 4	55	d. y. brn		80	80	19.3	-	0.76	18.4	-	0.87	0.82	
276	A 5	55	d. y. brn		100	80	18.0	-	0.70	17.8	-	0.72	0.71	
277	A 6	55	m. y. brn		120	80	18.8	-	0.41	18.7	-	0.19	0.30	
278	A 7	55	d. y. brn		140	80	20.8	-	0.21	20.8	-	0.17	0.19	
279	A 8	55	p. y. brn		160	80	23.0	-	0.05	22.5	-	0.10	0.08	
280	A 9	55	p. y. brn		180	80	21.8	-	0.20	21.7	-	0.09	0.15	
281	A 10	55	m. y. brn		200	80	22.5	-	0.12	25.6	-	0.06	0.09	
282	A 11	55	m. y. brn		220	80	23.3	-	0.10	25.0	-	0.08	0.09	
283	A 12	55	l. brn		240	80	25.3	-	0.09	23.6	-	0.07	0.08	
284	A 13	55	m. y. brn		260	80	22.8	-	0.09	23.0	-	0.07	0.08	
285	A 14	55	m. y. brn		280	80	23.4	-	0.06	23.7	-	0.08	0.07	
286	A 15	55	m. y. brn		300	80	23.5	-	0.07	23.1	-	0.07	0.07	
287	A 16	55	m. y. brn		320	80	30.5	-	0.08	23.2	-	0.07	0.08	
288	A 17	55	l. brn		340	80	23.9	-	0.08	24.2	-	0.07	0.08	
289	A 18	55	m. y. brn		360	80	24.2	-	0.15	23.3	-	0.09	0.12	
290	A 19	55	m. y. brn		380	80	23.3	-	0.15	23.2	-	0.08	0.12	
291	A 20	55	l. brn		400	80	23.4	-	0.09	25.0	-	0.07	0.08	
292	A 21	55	l. brn		420	80	24.8	-	0.11	22.6	-	0.06	0.09	
293	B -25	55	m. brn		-500	40	21.7	-	0.06	22.0	-	0.04	0.05	
294	B -24	55	d. y. orge		-480	40	22.6	-	0.08	23.2	-	0.04	0.06	
295	B -23	55	m. y. brn		-460	40	22.0	-	0.03	23.8	-	0.05	0.04	
296	B -22	55	m. y. brn		-440	40	21.6	-	0.05	22.2	-	0.05	0.05	
297	B -21	55	l. brn		-420	40	22.2	-	0.07	22.3	-	0.05	0.06	
298	B -20	55	m. r. brn		-400	40	21.9	-	0.06	24.3	-	0.05	0.05	
299	B -19	55	m. y. brn		-380	40	22.0	-	0.07	23.2	-	0.04	0.06	
300	B -18	55	l. brn		-360	40	21.9	-	0.07	23.6	-	0.04	0.06	
301	B -17	55	m. r. brn		-340	40	21.8	-	0.05	22.6	-	0.05	0.05	
302	B -16	55	m. r. brn		-320	40	22.2	-	0.06	23.0	-	0.05	0.06	
303	B -15	55	g. brn		-300	40	21.7	-	0.05	24.1	-	0.06	0.06	
304	B -14	55	m. y. brn		-280	40	22.1	-	0.05	23.1	-	0.06	0.06	
305	B -13	55	d. y. brn		-260	40	21.3	-	0.06	23.4	-	0.06	0.06	
306	B -12	55	m. y. brn		-240	40	21.3	-	0.06	23.6	-	0.05	0.06	
307	B -11	55	m. brn		-220	40	21.8	-	0.04	24.2	-	0.04	0.04	
308	B -10	55	m. y. brn		-200	40	16.5	-	0.05	24.1	-	0.06	0.06	
309	B -9	55	m. r. brn		-180	40	21.7	-	0.05	22.5	-	0.06	0.06	
310	B -8	55	Wht	Qz	-160	40	21.7	-	0.04	22.5	-	0.05	0.05	
311	B -7	55	d. y. orge		-140	40	21.8	-	0.07	-	-	0.06	0.07	
312	B -6	55	d. y. orge		-120	40	21.8	-	0.07	27.5	-	0.04	0.06	
313	B -5	55	d. y. orge		-100	40	21.7	-	0.05	22.7	-	0.05	0.05	
314	B -4	55	d. y. orge		-80	40	21.7	-	0.07	24.5	-	0.07	0.07	
315	B -3	55	d. y. brn		-60	40	21.7	-	0.10	22.5	-	0.08	0.09	
316	B -2	55	d. y. orge		-40	40	21.6	-	0.05	23.5	-	0.06	0.06	
317	B -1	55	d. y. orge		-20	40	21.8	-	0.05	24.3	-	0.06	0.06	
318	B 0	55	m. y. brn		0	40	21.8	-	0.06	26.0	-	0.05	0.06	
319	B 1	55	d. y. brn		20	40	22.4	-	0.19	20.3	-	0.14	0.17	
320	B 2	55	p. y. brn		40	40	18.6	-	0.17	18.0	-	0.14	0.16	
321	B 3	55	m. y. brn		60	40	17.2	-	0.24	17.6	-	0.17	0.21	
322	B 4	55	p. y. brn		80	40	18.7	-	0.37	17.8	-	0.33	0.35	
323	B 5	55	d. y. brn		100	40	19.0	-	0.93	17.5	-	0.46	0.70	
324	B 6	55	p. y. brn		120	40	19.8	-	0.37	17.8	-	0.31	0.34	



No.	Point No.	Depth (cm)	Soil color	Fragments	Coordination		1st time			2nd time			average		Remarks
					X (m)	Y (m)	Temperature		CO2 (%)	Temperature		CO2 (%)	CO2 (%)		
							Bot. (° C)	Atm. (° C)		Bot. (° C)	Atm. (° C)				
325	B 7	55	d. y. brn		140	40	24.5	-	0.20	22.0	-	0.19	0.20		
326	B 8	55	m. y. brn		160	40	-	-	0.10	21.8	-	0.26	0.18		
327	B 9	55	p. y. brn		180	40	24.1	-	0.13	22.4	-	0.21	0.17		
328	B 10	55	p. y. brn		200	40	24.0	-	0.05	23.3	-	0.04	0.05		
329	B 11	55	l. brn		220	40	23.8	-	0.06	24.5	-	0.05	0.06		
330	B 12	55	m. y. brn		240	40	22.6	-	0.08	22.5	-	0.14	0.11		
331	B 13	55	m. brn		260	40	22.4	-	0.09	22.3	-	0.05	0.07		
332	B 14	55	m. y. brn		280	40	25.4	-	0.11	25.2	-	0.05	0.08		
333	B 15	55	m. r. brn		300	40	22.8	-	0.07	22.8	-	0.04	0.06		
334	B 16	55	l. brn		320	40	23.4	-	0.07	22.4	-	0.06	0.07		
335	B 17	55	l. brn		340	40	25.0	-	0.07	23.5	-	0.09	0.08		
336	B 18	55	l. brn		360	40	23.3	-	0.10	23.0	-	0.07	0.09		
337	B 19	55	l. brn		380	40	25.2	-	0.07	22.8	-	0.06	0.07		
338	B 20	55	l. brn		400	40	24.4	-	0.06	23.2	-	0.08	0.07		
339	B 21	55	l. brn		420	40	24.1	-	0.06	24.0	-	0.07	0.07		
340	C -25	55	l. brn		-500	0	21.5	-	0.05	22.7	-	0.04	0.04		
341	C -24	55	m. y. brn		-480	0	22.0	-	0.09	23.5	-	0.09	0.09		
342	C -23	55	d. y. orge		-460	0	21.6	-	0.05	22.9	-	0.05	0.05		
343	C -22	55	l. brn		-440	0	22.5	-	0.07	23.2	-	0.07	0.07		
344	C -21	55	l. brn		-420	0	22.2	-	0.16	22.8	-	0.16	0.16		
345	C -20	55	l. brn		-400	0	22.4	-	0.06	23.2	-	0.06	0.06		
346	C -19	55	d. y. orge		-380	0	22.4	-	0.07	22.7	-	0.07	0.07		
347	C -18	55	d. y. orge		-360	0	22.0	-	0.07	22.3	-	0.04	0.05		
348	C -17	55	d. y. brn		-340	0	21.9	-	0.05	25.5	-	0.05	0.05		
349	C -16	55	m. y. brn		-320	0	22.1	-	0.08	23.8	-	0.06	0.07		
350	C -15	55	d. y. brn		-300	0	21.4	-	0.10	22.6	-	0.08	0.09		
351	C -14	55	g. orge		-280	0	21.5	-	0.08	22.4	-	0.05	0.07		
352	C -13	55	d. y. brn		-260	0	21.8	-	0.07	23.3	-	0.07	0.07		
353	C -12	55	m. y. brn		-240	0	21.8	-	0.04	-	-	0.06	0.05		
354	C -11	55	d. y. brn		-220	0	21.3	-	0.06	22.8	-	0.06	0.06		
355	C -10	55	d. y. brn		-200	0	20.4	-	0.06	23.3	-	0.07	0.07		
356	C -9	55	g. orge		-180	0	21.2	-	0.06	23.0	-	0.07	0.07		
357	C -8	55	m. y. brn		-160	0	21.4	-	0.06	23.0	-	0.08	0.07		
358	C -7	55	m. y. brn		-150	0	20.8	-	0.06	22.8	-	0.07	0.07		
359	C -7	55	m. y. brn		-140	0	21.2	-	0.05	22.0	-	0.05	0.05		
360	C -6	55	m. y. brn		-130	0	21.5	-	0.06	23.4	-	0.05	0.06		
361	C -6	55	m. y. brn		-120	0	21.2	-	0.06	22.3	-	0.06	0.06		
362	C -5	55	d. y. brn		-101	0	21.5	-	0.06	24.2	-	0.09	0.07		
363	C -4	55	m. y. brn		-80	0	21.6	-	0.08	23.0	-	0.06	0.07		
364	C -3	55	d. y. brn		-60	0	21.5	-	0.08	22.5	-	0.11	0.10		
365	C -2	55	d. y. brn		-40	0	21.2	-	0.06	23.8	-	0.12	0.09		
366	C -1	55	d. y. brn		-20	0	21.6	-	0.04	21.4	-	0.12	0.08		
367	C 0	55	d. y. brn		0	0	17.7	-	0.16	20.8	-	0.14	0.15		
368	C 1	55	m. brn		20	0	18.3	-	0.14	18.4	-	0.08	0.11		
369	C 2	55	m. brn		40	0	-	-	0.15	-	-	0.15	0.15		
370	C 3	55	m. brn		60	0	18.0	-	0.20	18.1	-	0.16	0.18		
371	C 4	55	m. brn		80	0	18.2	-	0.18	16.5	-	0.19	0.19		
372	C 5	55	m. brn		100	0	-	-	0.19	18.3	-	0.11	0.15		
373	C 6	55	m. brn		120	0	17.2	-	0.20	16.3	-	0.19	0.20		
374	C 7	55	m. brn		140	0	17.8	-	0.10	18.5	-	0.13	0.12		
375	C 8	55	m. y. brn		160	0	21.7	-	0.18	19.9	-	0.16	0.17		
376	C 9	55	m. r. brn		180	0	24.5	-	0.04	19.9	-	0.14	0.09		
377	C 10	55	m. r. brn		197.7	0	-	-	0.06	19.5	-	0.21	0.14		
378	C 11	55	m. r. brn		220	0	21.7	-	0.06	21.3	-	0.13	0.10		
379	C 12	55	m. r. brn		240	0	22.3	-	0.08	21.0	-	0.11	0.10		
380	C 13	55	m. brn		260	0	22.5	-	0.07	23.3	-	0.05	0.06		
381	C 14	55	l. brn		280	0	22.6	-	0.10	22.5	-	0.12	0.11		
382	C 15	55	m. y. brn		300	0	23.8	-	0.06	22.3	-	0.06	0.06		
383	C 16	55	m. r. brn		320	0	22.4	-	0.06	22.7	-	0.10	0.08		
384	C 17	55	l. brn		340	0	24.8	-	0.11	23.7	-	0.06	0.09		
385	C 18	55	m. r. brn		360	0	30.7	-	0.17	24.3	-	0.04	0.11		
386	C 19	55	m. brn		380	0	22.3	-	0.13	20.0	-	0.07	0.10		
387	C 20	55	l. brn		398.5	0	-	-	0.06	-	-	0.06	0.06		
388	C 21	55	m. brn		420	0	23.2	-	0.06	23.2	-	0.06	0.06		
389	D -25	55	d. y. orge		-500	-40	22.2	-	0.04	24.0	-	0.05	0.05		
390	D -24	55	d. y. orge		-480	-40	22.2	-	0.09	23.5	-	0.09	0.09		
391	D -23	55	l. brn		-460	-40	22.2	-	0.05	22.1	-	0.07	0.06		
392	D -22	55	d. r. brn		-440	-40	22.3	-	0.04	22.6	-	0.05	0.05		
393	D -21	55	l. brn		-420	-40	21.6	-	0.02	22.1	-	0.05	0.03		
394	D -20	55	l. brn		-400	-40	21.7	-	0.13	22.5	-	0.18	0.16		
395	D -19	55	l. brn		-380	-40	22.2	-	0.05	23.3	-	0.06	0.06		
396	D -18	55	l. brn		-360	-40	21.7	-	0.05	22.0	-	0.08	0.06		
397	D -17	55	d. y. orge		-340	-40	22.0	-	0.06	23.4	-	0.17	0.12		
398	D -16	55	d. y. orge		-320	-40	24.4	-	0.06	22.7	-	0.06	0.06		
399	D -15	55	d. y. orge		-300	-40	22.1	-	0.03	22.3	-	0.05	0.04		
400	D -14	55	d. y. orge		-280	-40	22.0	-	0.07	22.1	-	0.09	0.08		
401	D -13	55	d. y. orge		-260	-40	21.7	-	0.05	22.0	-	0.10	0.08		
402	D -12	55	d. y. orge		-240	-40	22.1	-	0.06	22.2	-	0.07	0.07		
403	D -11	55	d. y. orge		-220	-40	23.1	-	0.06	22.1	-	0.05	0.05		
404	D -10	55	d. y. orge		-200	-40	23.8	-	0.07	22.2	-	0.04	0.06		
405	D -9	55	d. y. orge		-180	-40	22.7	-	0.03	22.0	-	0.06	0.05		
406	D -8	55	d. y. orge		-160	-40	22.3	-	0.08	22.4	-	0.05	0.07		

No.	Point No.	Depth (cm)	Soil color	Fragments	Coordination		1st time			2nd time			average		Remarks
					X (m)	Y (m)	Temperature Bot. (° C)	Atm. (° C)	CO2 (%)	Temperature Bot. (° C)	Atm. (° C)	CO2 (%)	CO2 (%)	CO2 (%)	
407	D -7	55	d. y. orge		-140	-40	22.3	-	0.07	21.7	-	0.04	0.06		
408	D -6	55	d. y. orge		-120	-40	22.2	-	0.08	22.0	-	0.08	0.08		
409	D -5	55	d. y. orge		-100	-40	22.0	-	0.05	22.5	-	0.06	0.06		
410	D -4	55	m. y. brn		-80	-40	22.3	-	0.04	22.3	-	0.06	0.05		
411	D -3	55	d. y. orge		-60	-40	22.4	-	0.06	22.0	-	0.07	0.07		
412	D -2	55	d. y. orge		-40	-40	22.5	-	0.07	21.8	-	0.06	0.07		
413	D -1	55	d. y. orge		-20	-40	23.1	-	0.10	21.6	-	0.08	0.09		
414	D 0	55	l. brn		0	-40	19.6	-	0.13	19.4	-	0.18	0.16		
415	D 1	55	m. brn		20	-40	20.2	-	0.12	18.8	-	0.13	0.13		
416	D 2	55	m. brn		40	-40	18.2	-	0.16	21.0	-	0.17	0.17		
417	D 3	55	m. brn		60	-40	17.5	-	0.16	20.7	-	0.16	0.16		
418	D 4	55	m. brn		80	-40	17.3	-	0.17	18.5	-	0.17	0.17		
419	D 5	55	m. brn		100	-40	21.8	-	0.20	21.4	-	0.12	0.16		
420	D 6	55	m. brn		120	-40	-	-	0.12	18.8	-	0.17	0.15		
421	D 7	55	m. brn		140	-40	19.3	-	0.10	19.7	-	0.17	0.14		
422	D 8	55	g. brn		160	-40	19.4	-	0.18	21.3	-	0.13	0.16		
423	D 9	55	g. brn		180	-40	19.4	-	0.16	19.8	-	0.13	0.15		
424	D 10	55	g. brn		200	-40	20.8	-	0.19	21.8	-	0.08	0.13		
425	D 11	55	g. brn		220	-40	22.4	-	0.04	25.8	-	0.03	0.04		
426	D 12	55	m. brn		240	-40	24.3	-	0.15	24.4	-	0.03	0.09		
427	D 13	55	m. r. orge		260	-40	23.6	-	0.12	24.5	-	0.05	0.09		
428	D 14	55	m. r. orge		280	-40	24.2	-	0.06	23.9	-	0.03	0.05		
429	D 15	55	m. r. orge		300	-40	23.0	-	0.08	23.6	-	0.08	0.08		
430	D 16	55	m. r. orge		320	-40	24.3	-	0.06	22.7	-	0.05	0.06		
431	D 17	55	m. r. orge		340	-40	28.3	-	0.05	23.8	-	0.05	0.05		
432	D 18	55	m. r. orge		360	-40	-	-	0.06	22.8	-	0.05	0.06		
433	D 19	55	m. brn		380	-40	22.7	-	0.05	24.2	-	0.17	0.11		
434	D 20	55	m. brn		400	-40	-	-	0.05	24.2	-	0.06	0.06		
435	D 21	55	m. brn		420	-40	23.0	-	0.05	22.8	-	0.07	0.06		
436	E -25	55	m. r. brn		-500	-80	23.5	-	0.06	22.3	-	0.05	0.06		
437	E -24	55	m. brn		-480	-80	24.8	-	0.06	25.8	-	0.04	0.05		
438	E -23	55	m. y. brn		-460	-80	24.0	-	0.09	23.9	-	0.05	0.07		
439	E -22	55	m. r. brn		-440	-80	24.5	-	0.07	25.1	-	0.05	0.06		
440	E -21	55	wht	Qz	-420	-80	22.9	-	0.05	23.3	-	0.04	0.05		
441	E -20	55	m. r. brn		-400	-80	23.0	-	0.06	22.9	-	0.05	0.05		
442	E -19	55	m. r. brn		-380	-80	23.4	-	0.04	23.5	-	0.06	0.05		
443	E -18	55	d. y. brn		-360	-80	23.2	-	0.05	22.5	-	0.06	0.06		
444	E -17	55	m. r. brn		-340	-80	23.0	-	0.05	24.2	-	0.06	0.06		
445	E -16	55	m. r. brn		-320	-80	23.4	-	0.06	26.0	-	0.04	0.05		
446	E -15	55	m. r. brn		-300	-80	-	-	0.06	25.1	-	0.06	0.06		
447	E -14	55	m. r. brn		-280	-80	23.5	-	0.05	25.9	-	0.04	0.05		
448	E -13	55	d. y. orge		-260	-80	25.5	-	0.05	24.0	-	0.04	0.05		
449	E -12	55	m. brn		-240	-80	24.6	-	0.06	21.3	-	0.05	0.06		
450	E -11	55	m. brn		-220	-80	22.4	-	0.06	23.0	-	0.05	0.06		
451	E -10	55	m. brn		-200	-80	23.7	-	0.08	24.0	-	0.09	0.09		
452	E -9	55	l. brn		-180	-80	23.0	-	0.07	23.4	-	0.09	0.08		
453	E -8	55	p. y. brn		-160	-80	24.5	-	0.05	23.5	-	0.05	0.05		
454	E -7	55	p. y. brn		-140	-80	23.5	-	0.08	23.5	-	0.10	0.09		
455	E -6	55	p. y. brn		-120	-80	23.1	-	0.06	24.4	-	0.07	0.07		
456	E -5	55	p. y. brn		-100	-80	22.8	-	0.09	24.5	-	0.07	0.08		
457	E -4	55	p. y. brn		-80	-80	25.0	-	0.07	23.9	-	0.08	0.07		
458	E -3	55	d. y. orge		-60	-80	22.7	-	0.05	23.8	-	0.06	0.06		
459	E -2	55	l. brn		-40	-80	23.7	-	0.11	23.8	-	0.05	0.08		
460	E -1	55	l. brn		-20	-80	18.5	-	0.10	19.7	-	0.10	0.10		
461	E 0	55	l. brn		0	-80	17.2	-	0.12	18.4	-	0.08	0.10		
462	E 1	55	m. y. brn		20	-80	18.7	-	0.11	-	-	0.19	0.15		
463	E 2	55	d. y. brn		40	-80	17.4	-	0.26	-	-	0.18	0.22		
464	E 3	55	d. y. brn		60	-80	17.6	-	0.15	-	-	0.14	0.15		
465	E 4	55	d. y. brn		80	-80	18.6	-	0.22	-	-	0.15	0.19		
466	E 5	55	m. y. brn		100	-80	18.6	-	0.08	-	-	0.15	0.12		
467	E 6	55	d. y. orge		120	-80	18.5	-	0.08	-	-	0.13	0.11		
468	E 7	55	d. y. orge		140	-80	18.7	-	0.15	-	-	0.11	0.13		
469	E 8	55	m. y. brn		160	-80	18.3	-	0.09	-	-	0.15	0.12		
470	E 9	55	d. y. brn		180	-80	21.5	-	0.46	-	-	0.40	0.43		
471	E 10	55	l. brn		200	-80	21.3	-	0.08	-	-	0.10	0.09		
472	E 11	55	p. y. brn		220	-80	22.5	-	0.09	-	-	0.06	0.08		
473	E 12	55	m. y. brn		240	-80	-	-	0.08	-	-	0.04	0.06		
474	E 13	55	m. r. brn		260	-80	22.3	-	0.07	-	-	0.08	0.08		
475	E 14	55	m. r. brn		280	-80	24.0	-	0.06	-	-	0.03	0.05		
476	E 15	55	d. y. orge		300	-80	23.0	-	0.07	-	-	0.10	0.09		
477	E 16	55	d. y. orge		320	-80	23.3	-	0.08	-	-	0.04	0.06		
478	E 17	55	l. brn		340	-80	24.1	-	0.06	-	-	0.08	0.07		
479	E 18	55	d. y. orge		360	-80	22.8	-	0.07	-	-	0.09	0.08		
480	E 19	55	d. y. orge		380	-80	22.7	-	0.09	-	-	0.09	0.09		
481	E 20	55	d. y. orge		400	-80	22.1	-	0.09	-	-	0.13	0.11		
482	E 21	55	d. y. orge		420	-80	24.0	-	0.07	-	-	0.15	0.11		
483	F -25	55	m. r. brn		-500	-120	23.7	-	0.04	27.3	-	0.05	0.05		
484	F -24	55	m. brn		-480	-120	24.6	-	0.06	24.9	-	0.05	0.06		
485	F -23	55	m. r. brn		-460	-120	24.5	-	0.05	23.0	-	0.06	0.06		
486	F -22	55	m. y. brn		-440	-120	24.0	-	0.06	26.6	-	0.03	0.05		
487	F -21	55	d. r. brn		-420	-120	24.7	-	0.05	24.1	-	0.04	0.05		
488	F -20	55	m. r. brn		-400	-120	25.7	-	0.08	25.1	-	0.04	0.06		

No.	Point No.	Depth (cm)	Soil color	Fragments	Coordination		1st time			2nd time			average		Remarks
					X (m)	Y (m)	Temperature			Temperature			CO2		
							Bot. (° C)	Atm. (° C)	CO2 (%)	Bot. (° C)	Atm. (° C)	CO2 (%)	CO2 (%)		
489	F -19	55	g. orge		-380	-120	25.0	-	0.07	26.7	-	0.05	0.06		
490	F -18	55	m. r. brn		-360	-120	24.2	-	0.05	21.0	-	0.05	0.05		
491	F -17	55	l. brn		-340	-120	23.0	-	0.06	25.7	-	0.07	0.07		
492	F -16	55	l. brn		-320	-120	30.8	-	0.06	25.5	-	0.07	0.06		
493	F -15	55	m. y. brn		-300	-120	25.5	-	0.08	26.9	-	0.07	0.08		
494	F -14	55	m. y. brn		-280	-120	23.5	-	0.09	24.5	-	0.18	0.13		
495	F -13	55	m. y. brn		-260	-120	-	-	0.07	25.8	-	0.06	0.07		
496	F -12	55	m. brn		-240	-120	22.5	-	0.06	23.3	-	0.05	0.06		
497	F -11	55	m. y. brn		-220	-120	22.5	-	0.07	25.4	-	0.13	0.10		
498	F -10	55	l. brn		-200	-120	24.5	-	0.17	25.0	-	0.05	0.11		
499	F -9	55	d. y. brn		-180	-120	23.2	-	0.09	17.7	-	0.11	0.10		
500	F -8	55	m. y. brn		-160	-120	22.8	-	0.05	25.8	-	0.07	0.06		
501	F -7	55	d. brn		-140	-120	22.3	-	0.09	24.7	-	0.14	0.12		
502	F -6	55	m. y. brn		-120	-120	-	-	0.09	23.1	-	0.07	0.08		
503	F -5	55	m. r. brn		-100	-120	23.2	-	0.11	25.6	-	0.09	0.10		
504	F -4	55	m. y. brn		-80	-120	20.8	-	0.09	22.7	-	0.10	0.10		
505	F -3	55	p. y. brn		-60	-120	20.0	-	0.11	25.8	-	0.15	0.13		
506	F -2	55	m. y. brn		-40	-120	19.4	-	0.10	22.0	-	0.08	0.09		
507	F -1	55	d. yel		-20	-120	18.6	-	0.08	20.8	-	0.11	0.10		
508	F 0	55	l. brn		0	-120	18.6	-	0.07	22.2	-	0.09	0.08		
509	F 1	55	m. y. brn		20	-120	17.5	-	0.10	17.9	-	0.11	0.11		
510	F 2	55	d. y. brn		40	-120	17.3	-	0.11	19.1	-	0.11	0.11		
511	F 3	55	d. y. brn		60	-120	18.6	-	0.14	21.5	-	0.09	0.12		
512	F 4	55	d. y. brn		80	-120	17.7	-	0.19	18.1	-	0.18	0.19		
513	F 5	55	m. y. brn		100	-120	18.6	-	0.16	23.3	-	0.18	0.17		
514	F 6	55	d. y. orge		120	-120	18.4	-	0.12	19.2	-	0.11	0.12		
515	F 7	55	d. y. orge		140	-120	17.6	-	0.16	20.9	-	0.19	0.18		
516	F 8	55	m. y. brn		160	-120	19.0	-	0.12	23.3	-	0.12	0.12		
517	F 9	55	d. y. brn		180	-120	19.5	-	0.11	22.3	-	0.13	0.12		
518	F 10	55	l. brn		200	-120	19.6	-	0.11	21.5	-	0.06	0.09		
519	F 11	55	p. y. brn		220	-120	22.4	-	0.13	-	-	0.10	0.12		
520	F 12	55	m. y. brn		240	-120	25.4	-	0.11	-	-	0.11	0.11		
521	F 13	55	m. r. brn		260	-120	22.6	-	0.11	-	-	0.10	0.11		
522	F 14	55	m. r. brn		280	-120	23.2	-	0.13	-	-	0.08	0.11		
523	F 15	55	d. y. orge		300	-120	22.3	-	0.09	-	-	0.09	0.09		
524	F 16	55	d. y. orge		320	-120	22.5	-	0.05	-	-	0.04	0.05		
525	F 17	55	l. brn		340	-120	23.5	-	0.07	-	-	0.12	0.10		
526	F 18	55	d. y. orge		360	-120	23.6	-	0.06	-	-	0.09	0.07		
527	F 19	55	d. y. orge		380	-120	23.2	-	0.08	-	-	0.10	0.09		
528	F 20	55	d. y. orge		400	-120	24.0	-	0.09	-	-	0.10	0.10		
529	F 21	55	d. y. orge		420	-120	24.0	-	0.15	-	-	0.13	0.14		
Shackleton area															
Latitude and longitude of the point B0 by GPS are S17° 17.97' and 30° 2.16', respectively.															
530	A 0	55	l. brn		0	0	-	-	0.07	-	-	0.09	0.08		
531	A 1	55	l. brn		20	0	-	-	0.10	-	-	0.13	0.12		
532	A 2	55	l. brn		40	0	-	-	0.05	-	-	0.05	0.05		
533	A 3	55	d. y. orge		60	0	-	-	0.05	-	-	0.06	0.06		
534	A 4	55	d. y. orge		80	0	-	-	0.04	-	-	0.08	0.06		
535	A 5	55	m. red brn		100	0	-	-	0.05	-	-	0.06	0.06		
536	A 6	55	m. red brn		120	0	-	-	0.08	-	-	0.07	0.08		
537	A 7	55	m. y. brn		140	0	-	-	0.06	-	-	0.06	0.06		
538	A 8	55	m. y. brn		160	0	-	-	0.06	-	-	0.05	0.06		
539	A 9	55	m. y. brn		180	0	-	-	0.05	-	-	0.06	0.05		
540	A 10	55	m. y. brn		200	0	-	-	0.06	-	-	0.05	0.06		
541	A 11	55	g. brn		220	0	-	-	0.06	-	-	0.09	0.07		
542	A 12	55	d. y. brn		240	0	-	-	0.10	-	-	0.09	0.10		
543	A 13	55	m. y. brn		260	0	-	-	0.25	-	-	0.04	0.15		
544	A 14	55	d. brn	clayey	280	0	-	-	0.06	-	-	0.08	0.07		
545	A 15	55	d. brn	clayey	300	0	-	-	0.27	-	-	0.05	0.16		
546	A 16	55	d. brn	clayey	320	0	-	-	0.10	-	-	0.06	0.08		
547	A 17	55	d. brn	clayey	340	0	-	-	0.06	-	-	0.06	0.06		
548	A 18	55	d. brn	clayey	360	0	-	-	0.04	-	-	0.07	0.06		
549	A 19	55	d. brn	clayey	380	0	-	-	0.09	-	-	0.04	0.07		
550	A 20	55	d. y. brn	clayey	400	0	-	-	0.04	-	-	0.07	0.05		
551	A 21	55	d. y. brn	clayey	420	0	-	-	0.06	-	-	0.15	0.11		
552	A 22	55	d. brn	clayey	440	0	-	-	0.05	-	-	0.04	0.04		
553	A 23	55	d. brn	clayey	460	0	-	-	0.05	-	-	0.04	0.05		
554	A 24	55	d. brn	clayey	480	0	-	-	0.05	-	-	0.09	0.07		
555	A 25	55	d. brn	clayey	500	0	-	-	0.05	-	-	0.06	0.06		
556	A 26	55	d. brn	clayey	520	0	-	-	0.05	-	-	0.04	0.05		
557	A 27	55	d. brn	clayey	540	0	-	-	0.05	-	-	0.07	0.06		
558	A 28	55	d. brn	clayey	560	0	-	-	0.04	-	-	0.03	0.04		
559	A 29	55	d. brn	clayey	580	0	-	-	0.04	-	-	0.04	0.04		
560	A 30	55	d. brn	clayey	600	0	-	-	0.04	-	-	0.05	0.04		
561	A 31	55	d. y. brn	clayey	620	0	-	-	0.05	-	-	0.03	0.04		
562	A 32	55	d. y. brn	clayey	640	0	-	-	0.05	-	-	0.06	0.05		
563	A 33	55	d. y. brn	clayey	660	0	-	-	0.04	-	-	0.06	0.05		
564	A 34	55	y. brn	clayey	680	0	-	-	0.04	-	-	0.06	0.05		
565	A 35	55	y. brn	clayey	700	0	-	-	0.06	-	-	0.09	0.08		
566	B 0	55	d. y. orge		0	40	-	-	0.07	-	-	0.06	0.07		
567	B 1	55	d. y. orge		20	40	-	-	0.07	-	-	0.10	0.09		
568	B 2	55	m. brn		40	40	-	-	0.06	-	-	0.05	0.06		

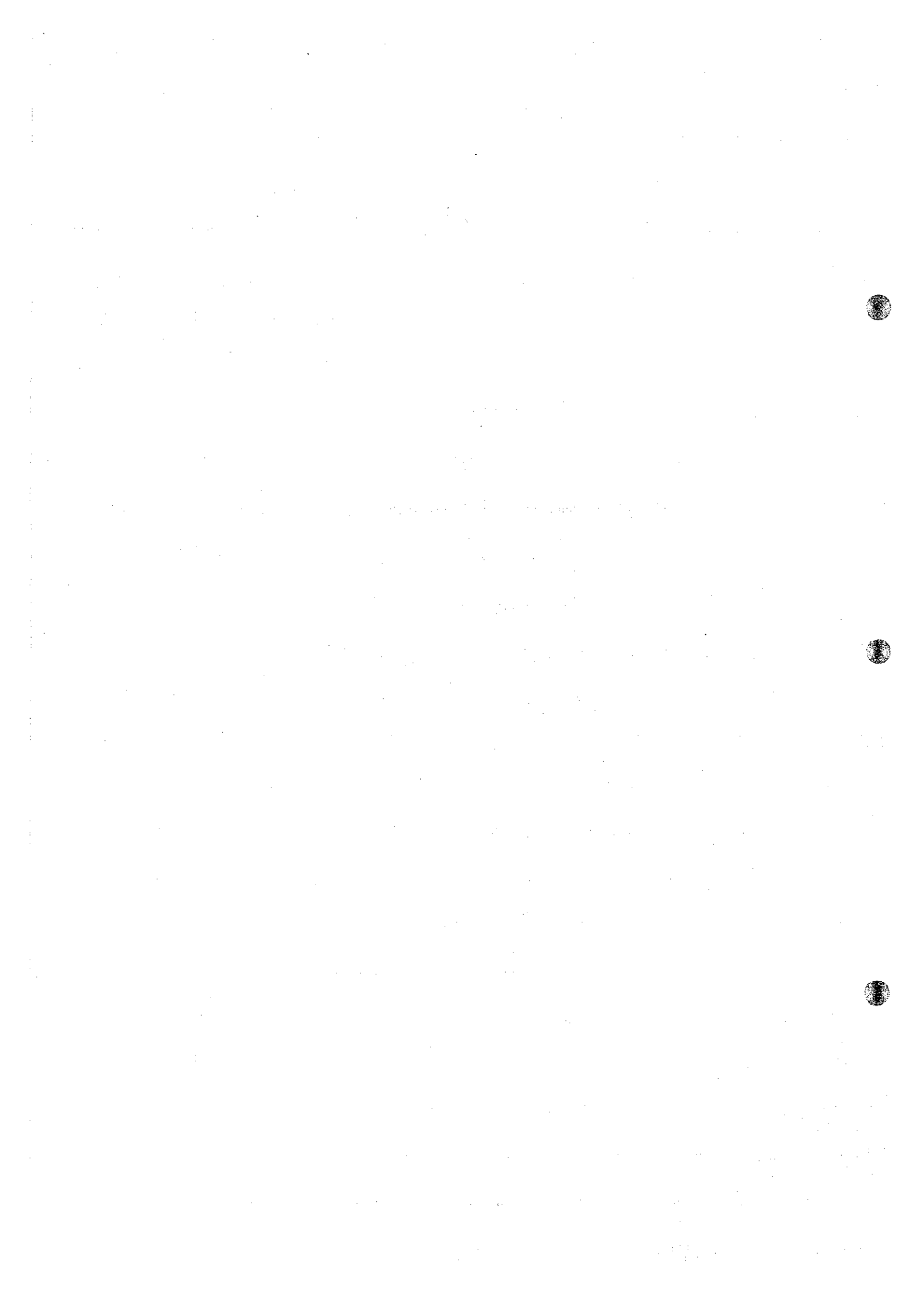
No.	Point No.	Depth (cm)	Soil color	Fragments	Coordination		1st time			2nd time			average CO2 (%)	Remarks
					X (m)	Y (m)	Temperature			Temperature				
							Bot. (° C)	Atm. (° C)	CO2 (%)	Bot. (° C)	Atm. (° C)	CO2 (%)		
569	B 3	55	m. y. brn		60	40	-	-	0.08	-	-	0.08	0.08	
570	B 4	55	d. y. orge		80	40	-	-	0.04	-	-	0.04	0.04	
571	B 5	55	m. red brn		100	40	-	-	0.04	-	-	0.05	0.05	
572	B 6	55	d. y. brn		120	40	-	-	0.08	-	-	0.07	0.08	
573	B 7	55	m. y. brn		140	40	-	-	0.04	-	-	0.05	0.05	
574	B 8	55	d. y. brn		160	40	-	-	0.05	-	-	0.06	0.06	
575	B 9	55	m. y. brn		180	40	-	-	0.12	-	-	0.12	0.12	
576	B 10	55	m. y. brn		200	40	-	-	0.08	-	-	0.04	0.06	
577	B 11	55	d. y. brn		220	40	-	-	0.06	-	-	0.06	0.06	
578	B 12	55	d. y. brn		240	40	-	-	0.04	-	-	0.06	0.05	
579	B 13	55	d. y. brn		260	40	-	-	0.05	-	-	0.08	0.06	
580	B 14	55	d. y. brn		280	40	-	-	0.05	-	-	0.06	0.06	
581	B 15	55	d. y. brn		300	40	-	-	0.05	-	-	0.05	0.05	
582	B 16	55	d. y. brn	clayey	320	40	-	-	0.05	-	-	0.05	0.05	
583	B 17	55	d. y. brn	clayey	340	40	-	-	0.05	-	-	0.08	0.06	
584	B 18	55	d. y. brn		360	40	-	-	0.03	-	-	0.04	0.03	
585	B 19	55	d. y. brn		380	40	-	-	0.06	-	-	0.06	0.06	
586	B 20	55	d. y. brn		400	40	-	-	0.04	-	-	0.05	0.05	
587	B 21	55	d. y. brn		420	40	-	-	0.05	-	-	0.05	0.05	
588	B 22	55	d. y. brn		440	40	-	-	0.06	-	-	0.06	0.06	
589	B 23	55	d. y. brn		460	40	-	-	0.05	-	-	0.05	0.05	
590	B 24	55	d. y. brn		480	40	-	-	0.04	-	-	0.06	0.05	
591	B 25	55	d. y. brn		500	40	-	-	0.06	-	-	0.06	0.06	
592	B 26	55	d. y. brn		520	40	-	-	0.10	-	-	0.06	0.08	
593	B 27	55	d. y. brn	clayey	540	40	-	-	0.04	-	-	0.06	0.05	
594	B 28	55	d. y. brn	clayey	560	40	-	-	0.04	-	-	0.06	0.05	
595	B 29	55	d. y. brn	clayey	580	40	-	-	0.08	-	-	0.09	0.09	
596	B 30	55	d. y. brn	clayey	600	40	-	-	0.04	-	-	0.05	0.05	
597	B 31	55	d. y. brn		620	40	-	-	0.06	-	-	0.05	0.06	
598	B 32	55	m. y. brn		640	40	-	-	0.07	-	-	0.04	0.06	
599	B 33	55	d. y. brn	clayey	660	40	-	-	0.04	-	-	0.05	0.05	
600	B 34	55	d. y. brn	clayey	680	40	-	-	0.06	-	-	0.05	0.06	
601	B 35	55	d. y. brn		700	40	-	-	0.05	-	-	0.05	0.05	
602	C 0	55	d. yel		0	80	-	-	0.04	-	-	0.10	0.07	
603	C 1	55	d. yel		20	80	-	-	0.07	-	-	0.13	0.10	
604	C 2	55	d. yel		40	80	-	-	0.05	-	-	0.09	0.07	
605	C 3	55	d. yel		60	80	-	-	0.07	-	-	0.09	0.08	
606	C 4	55	d. yel		80	80	-	-	0.05	-	-	0.05	0.05	
607	C 5	55	d. y. orge		100	80	-	-	0.05	-	-	0.09	0.07	
608	C 6	55	d. yel		120	80	-	-	0.12	-	-	0.12	0.12	
609	C 7	55	m. y. orge		140	80	-	-	0.07	-	-	0.07	0.07	
610	C 8	55	d. yel		160	80	-	-	0.07	-	-	0.07	0.07	
611	C 9	55	d. y. orge		180	80	-	-	0.08	-	-	0.06	0.07	
612	C 10	55	l. o. brn		200	80	-	-	0.04	-	-	0.13	0.09	
613	C 11	55	l. o. brn		220	80	-	-	0.08	-	-	0.07	0.08	
614	C 12	55	d. y. orge		240	80	-	-	0.07	-	-	0.08	0.08	
615	C 13	55	m. o. brn		260	80	-	-	0.05	-	-	0.05	0.05	
616	C 14	55	m. o. brn		280	80	-	-	0.05	-	-	0.07	0.06	
617	C 15	55	m. o. brn		300	80	-	-	0.06	-	-	0.04	0.05	
618	C 16	55	o. gry		320	80	-	-	0.06	-	-	0.04	0.05	
619	C 17	55	o. gry		340	80	-	-	0.04	-	-	0.05	0.05	
620	C 18	55	o. gry		360	80	-	-	0.04	-	-	0.04	0.04	
621	C 19	55	o. gry		380	80	-	-	0.05	-	-	0.05	0.05	
622	C 20	55	o. gry		400	80	-	-	0.08	-	-	0.03	0.05	
623	C 21	55	o. gry		420	80	-	-	0.06	-	-	0.04	0.05	
624	C 22	55	o. gry		440	80	-	-	0.05	-	-	0.04	0.04	
625	C 23	55	o. gry		460	80	-	-	0.05	-	-	0.05	0.05	
626	C 24	55	o. gry		480	80	-	-	0.06	-	-	0.13	0.09	
627	C 25	55	o. gry		500	80	-	-	0.05	-	-	0.06	0.06	
628	C 26	55	o. gry		520	80	-	-	0.07	-	-	0.08	0.08	
629	C 27	55	o. gry		540	80	-	-	0.17	-	-	0.11	0.14	
630	C 28	55	l. o. gry		560	80	-	-	0.08	-	-	0.09	0.09	
631	C 29	55	l. o. gry		580	80	-	-	0.10	-	-	0.09	0.09	
632	C 30	55	m. o. gry		600	80	-	-	0.08	-	-	0.12	0.10	
633	C 31	55	o. gry		620	80	-	-	0.09	-	-	0.06	0.08	
634	C 32	55	m. y. brn		640	80	-	-	0.04	-	-	0.05	0.05	
635	C 33	55	d. y. brn		660	80	-	-	0.07	-	-	0.18	0.13	
636	C 34	55	l. o. gry		680	80	-	-	0.06	-	-	0.05	0.06	
637	C 35	55	m. o. gry		700	80	-	-	0.05	-	-	0.06	0.06	
638	D 0	55	d. yel		0	120	-	-	0.10	-	-	0.07	0.09	
639	D 1	55	d. yel		20	120	-	-	0.05	-	-	0.06	0.06	
640	D 2	55	d. yel		40	120	-	-	0.09	-	-	0.04	0.07	
641	D 3	55	l. o. brn		60	120	-	-	0.09	-	-	0.07	0.08	
642	D 4	55	d. yel		80	120	-	-	0.04	-	-	0.04	0.04	
643	D 5	55	d. yel		100	120	-	-	0.05	-	-	0.04	0.05	
644	D 6	55	l. o. brn		120	120	-	-	0.06	-	-	0.08	0.07	
645	D 7	55	l. o. gry		140	120	-	-	0.09	-	-	0.12	0.11	
646	D 8	55	l. o. gry		160	120	-	-	0.07	-	-	0.10	0.09	
647	D 9	55	l. o. gry		180	120	-	-	0.10	-	-	0.09	0.10	
648	D 10	55	l. o. gry		200	120	-	-	0.10	-	-	0.08	0.09	
649	D 11	55	m. o. brn		220	120	-	-	0.04	-	-	0.04	0.04	
650	D 12	55	o. gry		240	120	-	-	0.04	-	-	0.05	0.05	

No.	Point No.	Depth (cm)	Soil color	Fragments	Coordination		1st time			2nd time			average		Remarks
					X (m)	Y (m)	Temperature			Temperature			C02 (%)	C02 (%)	
							Bot. (* C)	Atm. (* C)	C02 (%)	Bot. (* C)	Atm. (* C)	C02 (%)			
651	D 13	55	g. oliv		260	120	-	-	0.05	-	-	0.06	0.06		
652	D 14	55	o. gry		280	120	-	-	0.05	-	-	0.04	0.05		
653	D 15	55	o. gry		300	120	-	-	0.05	-	-	0.07	0.06		
654	D 16	55	g. oliv		320	120	-	-	0.04	-	-	0.07	0.05		
655	D 17	55	l. o. gry		340	120	-	-	0.05	-	-	0.05	0.05		
656	D 18	55	l. o. gry		360	120	-	-	0.04	-	-	0.04	0.04		
657	D 19	55	o. gry		380	120	-	-	0.07	-	-	0.08	0.08		
658	D 20	55	l. o. gry		400	120	-	-	0.05	-	-	0.06	0.06		
659	D 21	55	o. blk		420	120	-	-	0.05	-	-	0.06	0.06		
660	D 22	55	o. gry		440	120	-	-	0.05	-	-	0.05	0.05		
661	D 23	55	o. gry		460	120	-	-	0.06	-	-	0.06	0.06		
662	D 24	55	l. o. gry		480	120	-	-	0.09	-	-	0.06	0.08		
663	D 25	55	l. o. gry		500	120	-	-	0.08	-	-	0.07	0.08		
664	D 26	55	l. o. gry		520	120	-	-	0.11	-	-	0.04	0.08		
665	D 27	55	l. o. gry		540	120	-	-	0.04	-	-	0.04	0.04		
666	D 28	55	l. o. gry		560	120	-	-	0.05	-	-	0.06	0.06		
667	D 29	55	l. o. gry		580	120	-	-	0.10	-	-	0.08	0.09		
668	D 30	55	l. o. gry		600	120	-	-	0.04	-	-	0.08	0.06		
669	D 31	55	l. o. gry		620	120	-	-	0.09	-	-	0.09	0.09		
670	D 32	55	l. o. gry		640	120	-	-	0.13	-	-	0.07	0.10		
671	D 33	55	o. gry		660	120	-	-	0.12	-	-	0.08	0.10		
672	D 34	55	m. o. gry		680	120	-	-	0.05	-	-	0.06	0.06		
673	D 35	55	m. o. gry		700	120	-	-	0.07	-	-	0.05	0.06		
674	E 0	55	d. y. orge		0	160	-	-	0.10	-	-	0.07	0.09		
675	E 1	55	d. y. orge		20	160	-	-	0.11	-	-	0.11	0.11		
676	E 2	55	d. y. orge		40	160	-	-	0.25	-	-	0.25	0.25		
677	E 3	55	p. red brn		60	160	-	-	0.10	-	-	0.08	0.09		
678	E 4	55	p. red brn		80	160	-	-	0.09	-	-	0.08	0.09		
679	E 5	55	p. red brn		100	160	-	-	0.05	-	-	0.04	0.05		
680	E 6	55	m. red brn		120	160	-	-	0.09	-	-	0.04	0.06		
681	E 7	55	p. red		140	160	-	-	0.04	-	-	0.05	0.05		
682	E 8	55	p. red		160	160	-	-	0.04	-	-	0.04	0.04		
683	E 9	55	p. red		180	160	-	-	0.04	-	-	0.04	0.04		
684	E 10	55	p. red		200	160	-	-	0.05	-	-	0.05	0.05		
685	E 11	55	p. red		220	160	-	-	0.05	-	-	0.05	0.05		
686	E 12	55	p. red		240	160	-	-	0.04	-	-	0.04	0.04		
687	E 13	55	dusky red		260	160	-	-	0.04	-	-	0.04	0.04		
688	E 14	55	p. red		280	160	-	-	0.06	-	-	0.04	0.05		
689	E 15	55	p. red		300	160	-	-	0.05	-	-	0.04	0.05		
690	E 16	55	p. red		320	160	-	-	0.06	-	-	0.05	0.06		
691	E 17	55	p. red		340	160	-	-	0.05	-	-	0.04	0.05		
692	E 18	55	p. red		360	160	-	-	0.05	-	-	0.06	0.05		
693	E 19	55	p. red		380	160	-	-	0.13	-	-	0.06	0.10		
694	E 20	55	p. red		400	160	-	-	0.05	-	-	0.04	0.04		
695	E 21	55	p. red		420	160	-	-	0.06	-	-	0.06	0.06		
696	E 22	55	p. red		440	160	-	-	0.08	-	-	0.04	0.06		
697	E 23	55	g. red		460	160	-	-	0.07	-	-	0.07	0.07		
698	E 24	55	g. red		480	160	-	-	0.06	-	-	0.06	0.06		
699	E 25	55	g. red		500	160	-	-	0.08	-	-	0.06	0.07		
700	E 26	55	d. y. brn		520	160	-	-	0.05	-	-	0.05	0.05		
701	E 27	55	p. brn		540	160	-	-	0.08	-	-	0.07	0.08		
702	E 28	55	p. brn		560	160	-	-	0.14	-	-	0.05	0.10		
703	E 29	55	p. brn		580	160	-	-	0.06	-	-	0.05	0.06		
704	E 30	55	p. brn		600	160	-	-	0.06	-	-	0.05	0.06		
705	E 31	55	l. o. gry		620	160	-	-	0.07	-	-	0.04	0.06		
706	E 32	55	p. y. brn		640	160	-	-	0.05	-	-	0.04	0.05		
707	E 33	55	l. o. gry		660	160	-	-	0.06	-	-	0.06	0.06		
708	E 34	55	l. o. gry		680	160	-	-	0.08	-	-	0.04	0.06		
709	E 35	55	l. o. gry		700	160	-	-	0.07	-	-	0.04	0.06		
710	F 0	55	l. brn		0	200	-	-	0.06	-	-	0.09	0.08		
711	F 1	55	m. y. brn		20	200	-	-	0.07	-	-	0.05	0.06		
712	F 2	55	m. y. brn		40	200	-	-	0.08	-	-	0.06	0.07		
713	F 3	55	m. y. brn		60	200	-	-	0.10	-	-	0.09	0.10		
714	F 4	55	m. y. brn		80	200	-	-	0.10	-	-	0.09	0.10		
715	F 5	55	l. brn		100	200	-	-	0.09	-	-	0.06	0.08		
716	F 6	55	m. y. brn		120	200	-	-	0.11	-	-	0.10	0.11		
717	F 7	55	l. brn		140	200	-	-	0.08	-	-	0.05	0.06		
718	F 8	55	d. y. brn		160	200	-	-	0.06	-	-	0.06	0.06		
719	F 9	55	l. brn		180	200	-	-	0.06	-	-	0.06	0.06		
720	F 10	55	d. y. brn		200	200	-	-	0.07	-	-	0.07	0.07		
721	F 11	55	d. y. brn		220	200	-	-	0.05	-	-	0.05	0.05		
722	F 12	55	d. y. brn		240	200	-	-	0.05	-	-	0.06	0.06		
723	F 13	55	d. y. brn		260	200	-	-	0.08	-	-	0.05	0.07		
724	F 14	55	g. brn		280	200	-	-	0.05	-	-	0.05	0.05		
725	F 15	55	g. brn		300	200	-	-	0.05	-	-	0.05	0.05		
726	F 16	55	d. y. brn		320	200	-	-	0.05	-	-	0.05	0.05		
727	F 17	55	d. y. brn		340	200	-	-	0.04	-	-	0.06	0.05		
728	F 18	55	d. y. brn		360	200	-	-	0.04	-	-	0.05	0.05		
729	F 19	55	g. brn		380	200	-	-	0.07	-	-	0.06	0.07		
730	F 20	55	g. brn		400	200	-	-	0.05	-	-	0.05	0.05		
731	F 21	55	p. y. brn		420	200	-	-	0.07	-	-	0.08	0.08		
732	F 22	55	p. y. brn		440	200	-	-	0.05	-	-	0.07	0.06		

No.	Point No.	Depth (cm)	Soil color	Fragments	Coordination		1st time			2nd time			average		Remarks
					X (m)	Y (m)	Temperature			Temperature			average CO2 (%)		
							Bot. (° C)	Atm. (° C)	CO2 (%)	Bot. (° C)	Atm. (° C)	CO2 (%)			
733	F 23	55	p. y. brn		460	200	-	-	0.04	-	-	0.05	0.05		
734	F 24	55	p. y. brn		480	200	-	-	0.06	-	-	0.06	0.06		
735	F 25	55	d. y. brn		500	200	-	-	0.11	-	-	0.10	0.11		
736	F 26	55	dusky brn		520	200	-	-	0.04	-	-	0.05	0.04		
737	F 27	55	d. y. brn		540	200	-	-	0.04	-	-	0.06	0.05		
738	F 28	55	l. o. gry		560	200	-	-	0.04	-	-	0.05	0.05		
739	F 29	55	m. o. brn		580	200	-	-	0.04	-	-	0.09	0.07		
740	F 30	55	l. o. gry		600	200	-	-	0.04	-	-	0.10	0.07		
741	F 31	55	l. o. gry		620	200	-	-	0.08	-	-	0.08	0.08		
742	F 32	55	l. o. gry		640	200	-	-	0.10	-	-	0.12	0.11		
743	F 33	55	l. o. gry		660	200	-	-	0.10	-	-	0.17	0.14		
744	F 34	55	l. o. gry		680	200	-	-	0.06	-	-	0.08	0.07		
745	F 35	55	l. o. gry		700	200	-	-	0.04	-	-	0.04	0.04		
746	G 0	55	l. brn		0	240	-	-	0.03	-	-	0.07	0.05		
747	G 1	55	d. yel		20	240	-	-	0.05	-	-	0.05	0.05		
748	G 2	55	l. o. brn		40	240	-	-	0.11	-	-	0.11	0.11		
749	G 3	55	l. o. brn		60	240	-	-	0.05	-	-	0.06	0.06		
750	G 4	55	l. o. brn		80	240	-	-	0.07	-	-	0.08	0.07		
751	G 5	55	l. o. brn		100	240	-	-	0.12	-	-	0.10	0.11		
752	G 6	55	l. o. brn		120	240	-	-	0.04	-	-	0.03	0.04		
753	G 7	55	d. yel		140	240	-	-	0.04	-	-	0.08	0.06		
754	G 8	55	l. o. gry		160	240	-	-	0.06	-	-	0.15	0.11		
755	G 9	55	l. o. gry		180	240	-	-	0.05	-	-	0.04	0.04		
756	G 10	55	m. o. brn		200	240	-	-	0.05	-	-	0.04	0.05		
757	G 11	55	l. o. gry		220	240	-	-	0.05	-	-	0.06	0.06		
758	G 12	55	m. o. brn		240	240	-	-	0.05	-	-	0.04	0.05		
759	G 13	55	l. o. gry		260	240	-	-	0.05	-	-	0.07	0.06		
760	G 14	55	m. o. brn		280	240	-	-	0.06	-	-	0.04	0.05		
761	G 15	55	o. gry		300	240	-	-	0.05	-	-	0.07	0.06		
762	G 16	55	o. gry		320	240	-	-	0.07	-	-	0.05	0.06		
763	G 17	55	o. gry		340	240	-	-	0.05	-	-	0.05	0.05		
764	G 18	55	o. gry		360	240	-	-	0.05	-	-	0.07	0.06		
765	G 19	55	o. gry		380	240	-	-	0.04	-	-	0.05	0.05		
766	G 20	55	o. gry		400	240	-	-	0.06	-	-	0.06	0.06		
767	G 21	55	o. gry		420	240	-	-	0.04	-	-	0.09	0.06		
768	G 22	55	o. gry		440	240	-	-	0.10	-	-	0.08	0.09		
769	G 23	55	o. gry		460	240	-	-	0.04	-	-	0.04	0.04		
770	G 24	55	g. oliv		480	240	-	-	0.11	-	-	0.19	0.15		
771	G 25	55	o. gry		500	240	-	-	0.13	-	-	0.15	0.14		
772	G 26	55	l. o. brn		520	240	-	-	0.05	-	-	0.05	0.05		
773	G 27	55	o. gry		540	240	-	-	0.06	-	-	0.05	0.06		
774	G 28	55	l. o. gry		560	240	-	-	0.05	-	-	0.04	0.05		
775	G 29	55	o. gry		580	240	-	-	0.04	-	-	0.04	0.04		
776	G 30	55	o. gry		600	240	-	-	0.04	-	-	0.05	0.05		
777	G 31	55	o. gry		620	240	-	-	0.07	-	-	0.04	0.06		
778	G 32	55	o. gry		640	240	-	-	0.06	-	-	0.07	0.07		
779	G 33	55	o. gry		660	240	-	-	0.07	-	-	0.05	0.06		
780	G 34	55	o. gry		680	240	-	-	0.07	-	-	0.04	0.06		
781	G 35	55	m. l. gry		700	240	-	-	0.05	-	-	0.09	0.07		

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**Report  
on  
the Mineral Exploration  
in  
Makonde Area,  
the Republic of Zimbabwe  
(Summary)**





## Preface

As regards the mineral exploration in the Makonde area, the Republic of Zimbabwe, Japan Mining Engineering Center for International Cooperation was entrusted with the project which is conducted by Metal Mining Agency of Japan from the above Center as the 1991 fiscal year's project.

The results of interpretation and analyses of satellite images of the Makonde area, Zimbabwe which was specified by Mineral Mining Agency of Japan are described in this report.

On the occasion of the project, guidances and facilities were given by the related persons of Ministry of Industry and Trading of Japan, Japan Cooperation Agency and Metal Mining Agency of Japan, and also by Nikko Exploration and Development Co., Ltd. The special thanks are due to these related persons and organizations for guiding.

March, 1993



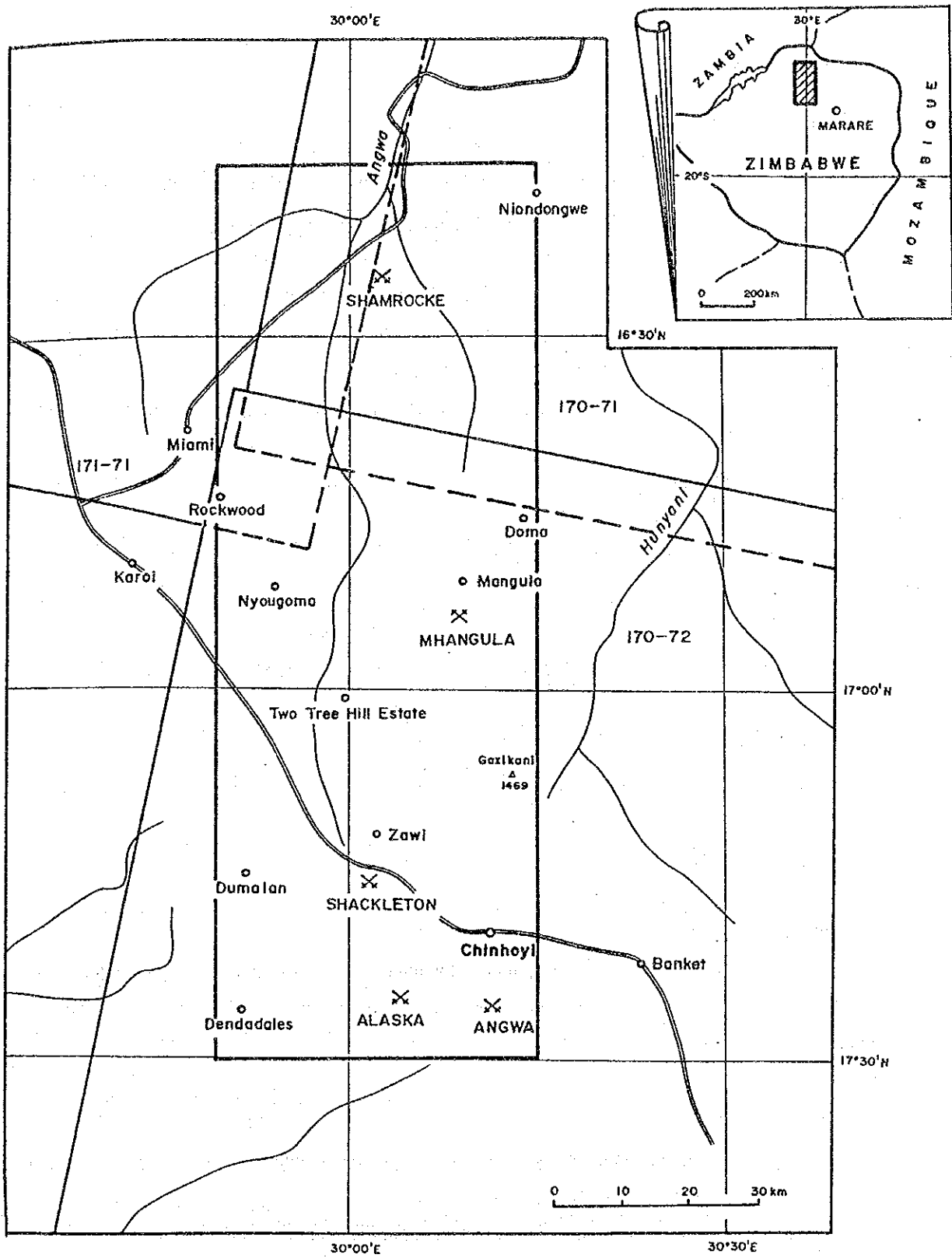


Fig. 1 Locality of the survey area.

## Satellite image analyses of the Makonde area, the Republic of Zimbabwe

### 1. Outline of the area

Name of area: The Makonde area

The Republic of Zimbabwe is located in the southern part of African continent, and bordered on the Republic of South Africa and the Republic of Botswana in the southern part, the Republic of Mozambique in the eastern part, and the Republic of Zambia in the northern part.

The Makonde area where is the target area of analyses is located in the northern part of Zimbabwe. The center of the area is located in 30°E and 17°S. The survey area is in 29°50'E to 30°15'E and 16°15'S to 17°30'S. The area lies 50 kilometres from the north to the south and 170 kilometres from the east to the west and total area is 8,500 square kilometres.

The geology of the area belongs to the African shield and the strata of Archaeozoic to Proterozoic period is widely distributed.

### 2. Remote sensing data

LANDSAT TM data which were interpreted are as follows.

The frame of orbit		Observation date	ID number	Sun angle		
path	row			Amount of clouds	Elevation Angle	Elevation Azimuth
170	71	22 June, 1984	5170071008417410	0%	36°	44°
170	72	22 June, 1984	5170072008417410	0%	35°	43°
171	71	29 June, 1984	5170071008418110	0%	36°	44°

### 3. The interpretation standard of falsecolour image

In case of interpretation of image, photographic characteristics and topographical characteristics which are the elements of photo-geologic interpretation on falsecolour were fixed as the standards.

The standards are as follows:

Photographic characteristics

Tone of colour: white, grayish white, gray, bluish gray, greenish gray, dark gray, yellowish brown, dark green, yellowish white, red, reddish brown, pale brown, green,.

Roughness: fine-grained, medium grained, coarse-grained, smooth, spotted

Table 1 List of interpretation of image.

Geologic units	Photographic characteristics		Topographic characteristics			Development of bedding	Estimated rocks	Comparison to the existing data						
	Tones of color	Toughness	Water system		Resistivity									
			Pattern	Density										
I	dark green	fine-grained			very low		unconsolidated sediments	Alluvium						
H	yellowish white	fine-grained	dendritic	high	low	clear	sedimentary rocks	the Karoo System (sandy sediments)						
G	reddish brown	medium-grained			high	partly clear	sedimentary rocks	the Lomagundi Group						
F	reddish brown smooth	fine-grained			very high	clear	calcareous sedimentary	the Lomagundi Group rocks						
E	yellowish brown	coarse-grained			low	massive	volcanic rocks, sedimentary rocks	the Deweras Group						
D	D3	coarse-grained	semi-parallel rectangular	high	medium to high	clear	sedimentary rocks or metamorphic rocks (slight soft)	the Piriwiri Group						
									D2	medium-grained spotted	low	partly clear	sedimentary rocks metamorphic rocks (fine-grained)	the Piriwiri Group
C	yellowish brown	fine-grained	dendritic	low	low	massive	sedimentary rocks	the Shanvaian Group						
B	brown	coarse-grained			medium	partly clear	metamorphic rocks(hard)	the Bulawayan Group						
A	yellowish/grayish white	coarse-grained	dendritic	high	high	clear		gneiss (the Zambezi metamorphic belt)						
L	dark				medium		dykes	dolerite dykes						
K	red	fine-grained			high		intrusive rocks	leucocratic, quartz, etc.						
J	green, grayish white	fine-grained	dendritic	high	low to medium		granites	granites						

**Table 2 The comparison of geological classification and geological units of image interpretation.**

Geologic Time		Geological units		Geological units		
Cenozoic era	Quaternary	Alluvium	Detritus	I		
Mesozoic era	Triassic	Karoo system	Sedimentary rocks, mainly consist of sandstone	H		
Late Proterozoic		Intrusive Rock	Dolerite	L		
			Quartz (vein)	K		
			Ultra-mafic rocks			
Proterozoic		The Lomagundi Group	Slate, quartzite	G		
			Sandstone			
			Dolomite, quartzite	F		
		The Deweras Group	Arkosic sandstone	E		
			Conglomerate			
			Basic schist			
		The Piriwiri Group	Graphitic slate, Quartzite	D		
			Phyllite Mica quartzite	(D1-D3)		
		Archaeozoic Basement Complex		Intrusive rocks	Granite	J
				The Shanvaian Group	Arkose with conglomerate	C
Fine-grained siliceous sedimentary rock						
Meta-sandstones						
The Bulawayan Group	Green rock Pillow lava			B		
	Banded iron layers					
The Zambezi Metamorphic Belt	Gneiss	A				

#### Topographic characteristic

Pattern of river system: dendritic, semi-parallel, lenticular

Density of river system: low, medium, high

Toughness against erosion: very low, low, medium, high

Cross section: topographic relief

Development of bedding: indistinct, slightly distinct, distinct

#### 4. Geologic unit

Falsecolour images and the results of geologic interpretation are shown in supplemental figures.

Before interpretation of image, classification of geologic units was carried out referring to the existing geologic maps on scales of 1:100,000 and 1:1,000,000. The target area are classified into 12 geologic units of A to L (hereinafter called "Unit").

Photographic characteristics and topographic characteristics of each unit are listed in Table 1.

The characteristics of the distribution of each unit are described as follows:

(1) Unit A: It is distributed stretching nearly from the east to the west in the northern part. It shows yellowish to grayish white colour and the toughness is high. Mountain crest forms a series of small ridges. As beddings are locally found and crepey patterns are partly found, it is considered to consist of comparatively hard metamorphic rocks.

This unit corresponds to gneiss of the Zambezi metamorphic belt.

(2) Unit B: It is distributed stretching from the north-east to the south-west in the south-eastern part on a small scale. It shows brownish colour in the image and the toughness is comparatively low. It shows only small jutting topography in moderate hilly area. Although sedimentary structures like beddings are not observed in the target area, the structure is partly observed out of the target area. Therefore, it is presumed to be composed of sedimentary rocks.

This unit corresponds to the Bulawayan Group.

(3) Unit C: It is distributed in the northern part of Unit B. It shows yellowish brown colour in the image and the toughness is low. It forms mildly rounded topography in the mountain ridges. Most of the areas are artificially cultivated. Although there is no distinct beddings, it is presumed to be composed of sedimentary rocks.

It corresponds to the Shanvaian Group.

(4) Unit D1 : It is distributed stretching from the central part to the south- western part and north-western part. It shows bluish gray colour and pale brownish colour. The toughness varies from low to high. It forms small ridges. The fine wrinkle patterns are observed. The toughness is lower in the southern part and becomes higher to the northern part. These wrinkle patterns are considered to be caused by schistosity of metamorphosed rocks. As it forms the small ridges and the toughness shows high. Therefore, it is presumed to be composed of fine-grained metamorphic rocks.

It corresponds to a part of the Piriwiri Group.

(5) Unit D2 : It is distributed in the central western part. It shows pale green colour in the image. It is presumed to consist of sedimentary rocks or metamorphic rocks because of its local bedding. It is considered to be slightly soft compared to Unit D1 .

It corresponds to a part of the Piriwiri Group.

(6) Unit D3 : It is distributed in the central western part. It shows a red and brown colour in the image. The toughness is generally medium, however, it becomes higher in the northern part. It is presumed to be composed of sedimentary rocks or metamorphic rocks, because the bedding is distinctly observed. Comparing to Unit D1 and Unit D2, ridges are more rugged. Therefore, the rock facies is considered to be more rough and harder.

It corresponds to a part of the Piriwiri Group.

(7) Unit E: It is distributed from the central part to southern central part. It shows a yellowish brown colour in the image, however, it shows colourful mosaic due to marked cultivation. The toughness is low. Rounded and the moderate topography is shown. It is presumed to be composed of comparatively massive volcanics or sedimentary rocks.

It corresponds to a part of the Deweras Group.

(8) Unit F: It is distributed stretching from the south-eastern part and the central part to the south-western part. It shows peculiarly reddish brown colour in the image. The toughness is markedly high. The topography shows steep cliffs in the contact part of the other Units. It is presumed to be composed of sedimentary rocks, because the bedding is obviously observed. And, the rock facies is presumed to be limestone because of rounded and smooth shapes of ridges.

It corresponds to a part of dolomite beds of the Lomagundi Group.

(9) Unit G: The distribution is almost the same of that of Unit F. It shows reddish brown colour in the



image. The shape shows the similar to Unit F, however, it shows more rugged topography comparing to that of Unit F. It is presumed to be sedimentary rocks, because the bedding is partly observed.

It corresponds to the Lomagundi Group.

(10) Unit H: The distribution is in the northern part and forms lowland. It shows yellowish white colour. The toughness is low. It is presumed to be fine-grained sedimentary rocks, because the bedding is distinctly observed.

It corresponds to the Karoo System.

(11) Unit I: It is distributed in the northern part and the southern part. It shows a dark green colour. It is presumed to be alluvium, because of the markedly low toughness.

(12) Unit J: It is distributed from the central part to the slightly northern part and the southern marginal part to form low hilly land. It shows green and dark grayish colour. The toughness is low to medium. The boundary to the other units are partly indistinct because of marked cultivation. Particularly, near the boundary area to Unit E, it is almost impossible to interpret, because both the Units are markedly cultivated. It is presumed to be granites due to the massive topography.

It corresponds to granite.

(13) Unit K: It is distributed in the central part to form a narrow long lenticular shape sticking out from the other Unit. It shows a red colour in the image. The toughness is high. As the distribution is not unconformable with other units, It is presumed to be intrusive rocks.

It corresponds to the leucocratic rocks and quartz.

(14) Unit L: It is distributed in the south-eastern marginal part to be observed a narrow long linear shape. It shows a dark gray colour in the image. The toughness is medium. It is presumed to be the dyke which is intruded into Unit J.

It corresponds to dolerite dykes.

## 5. Geological structure

The major directions of the geological structure are the north to the south and the north-east to south-west which corresponds to the geologic distribution.

There are many faults in the target area. Most of the typical faults exist in the distribution areas of Unit D1 to D3 where are in the western part, in the distribution areas of Unit F and G which are in the south-western part, and in Unit A area of the northern part. Particularly, in Unit D1 to D3 area

of the western part, there are many faults. The direction of the faults locally shows some definite directions, however, the general direction varies and has no definite directions. The continuity of all the faults is poor. In the distribution areas of Unit F and G of the south-eastern part, the faults show the prominent directions of the NNE-SSW and the NE-SW. Although the continuity is not so distinct in the target area, there is a prominent trend of the NE-SW, regionally. As regards the age of the faults, the faults from the NNE-SSW direction are older than the others, and the faults from the NE-SW direction are recognized to cut the faults with the NNE-SSW direction in the area.

In the northern part distributing the Unit A, Faults are relatively poor, but the continuities of the faults are distinct and they show comparatively large scales. Particularly, the faults which develop in the boundary area of Unit H and Unit A are clearly recognized due to the discontinuity of the topography. The directions of faults show the east to the west, and are called the Zambezi fault. In addition of the faults, the faults from the NE-SW direction which derived from the Zambezi fault develops in the distribution area of Unit A.

From the above facts, the fault structure in the target area develops from the NE-SW and the NNE-SSW directions in the southern part, and the faults from the NE-SW direction are prominent to the northern part.

The fold structure is recognized in the prominent distribution areas of Unit F and G in the south-eastern and south-western part. This structure is considered to be syncline with the axis of the NNE-SSW direction. Because Unit F has fine swells in many part, small folds are considered to develop in this Unit.

## 6. Conclusion

The satellite image interpretation map on a scale of 1:250,000 was made as the reference of the Mineral Exploration in the Makonde Area. The map was made by the aerophotograph interpretation method of LANDSAT TM images. On the interpretation, the geologic maps on scales of 1:100,000 and 1:1,000,000 and the Attached Explanation published by the Geological Survey Department of Zimbabwe were used as the references. The interpretation results are summarized below:

- (1) The Zambezi fault bordered the Karoo System from the Pre-Cambrian System is clearly recognized. The mineral resources occur in the Pre-Cambrian System.
- (2) The classification and the topographic characteristics of the basal composite rock body which was formed in Archaeozoic era are interpreted. Therefore, the distribution of the basement became obvious. Gold ore deposits accompanied with faults within the Archaean are known, and the deposits continue to the north-east from the target area. The noteworthy mineralization in the Zambezi mobile belt and

the granite is unknown.

(3) The outline of geological structure and distribution of the Piriwiri, Deweras and Lomagundi Groups which were formed in proterozoic period were interpreted. Particularly, the outline of the structure and distribution of the Deweras and Lomagundi Groups in which banded type ore deposits occur became distinct.

(4) It is recognized by the interpretation that the faults from the north to the south and the north-eastern to the south-western directions from the central to the southern part and the faults from the north-eastern to the south-western directions are prominent as the characteristics of this area.

(5) There are difficult parts to interpret due to development of cultivation on the moderate topography.







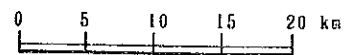
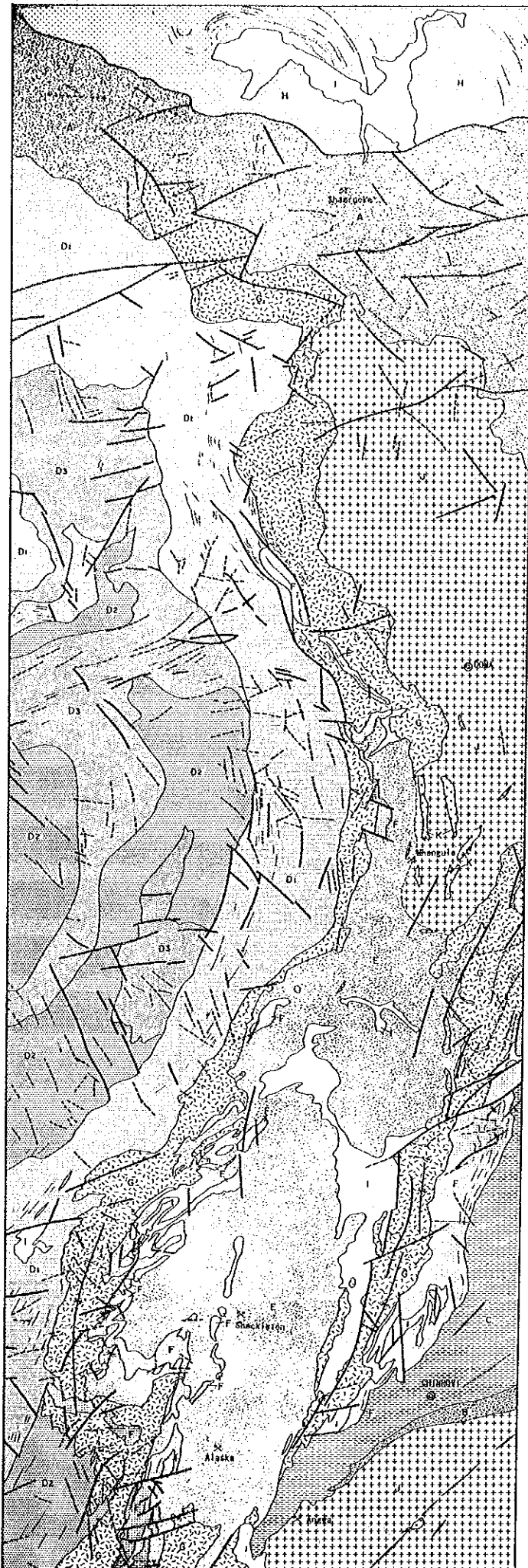







Fig. 2 TM false color image of the area.







Legend

-  The boundary of the geological unit
-  Bedding trace
-  Fault (very clear/clear)
-  Anticline
-  Syncline

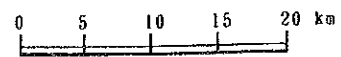


Fig. 3 Interpretation map.

