87-93-15585

REPORT ON SOIL GEOCHEMISTRY

ROW 1,2 and 3 CLAIMS

NELSON MINING DIVISION

NTS 82F/1W

LAT 49° ~~10' 20"~~ 11.5'

LONG 116° ~~29' 15"~~ 28'

OWNERS

ESSO ~~MINERALS~~ RESOURCES CANADA LIMITED / CHEVRON ~~CANADA RESOURCES~~ MINERALS LTD.

Operator: Esso Resources Canada Limited

WORK PERFORMED FROM MAY TO SEPT 1986

FILMED

REPORT BY

M.WASKETT-MYERS
GEOCHEMIST

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,585

SUB-RECORDER
RECEIVED
MAR 11 1987
M.R. # ..... $ .....
VANCOUVER, B.C.

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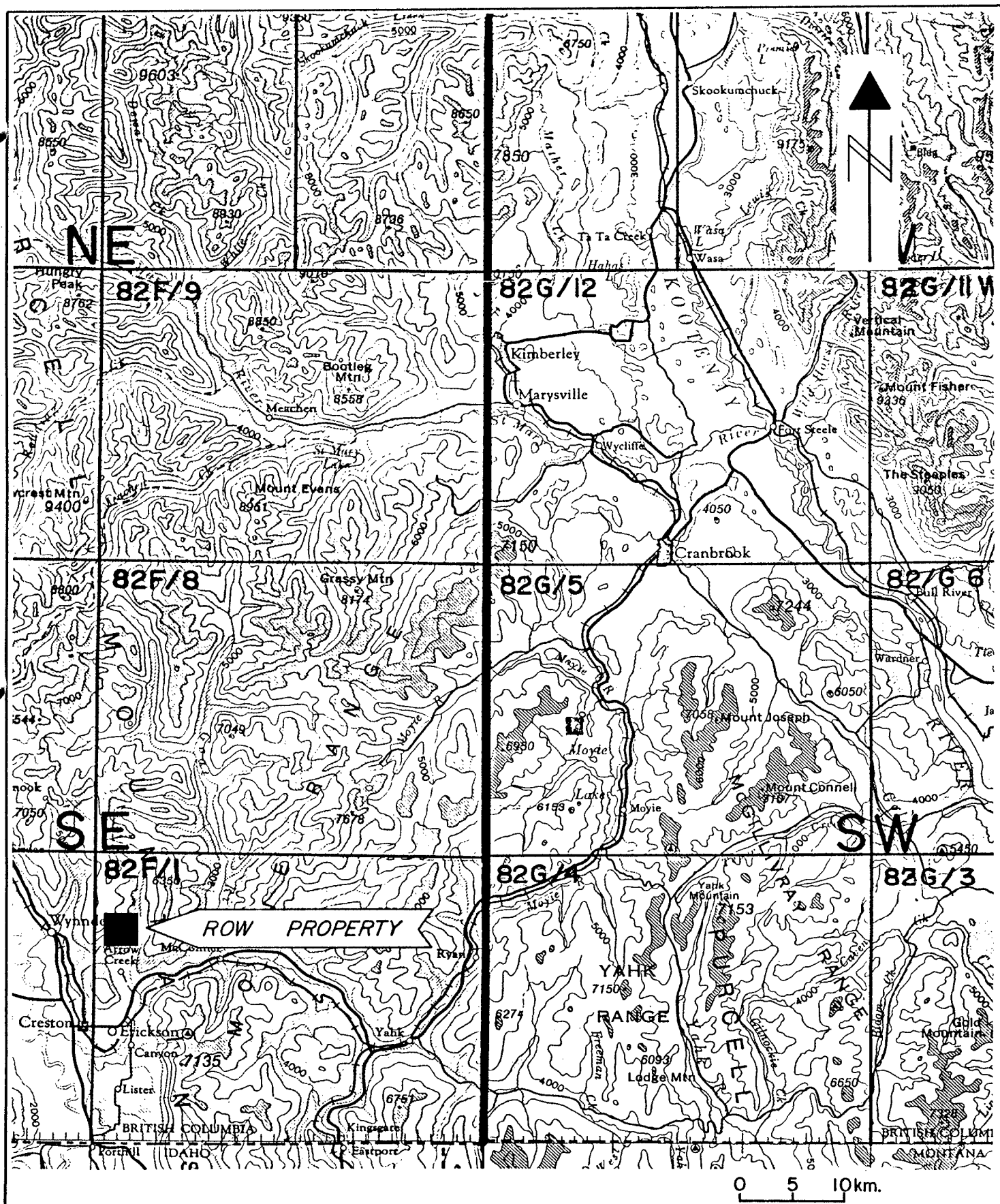

Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

LOCATION MAP

Scale: 1:500,000 | Date: Dec 16,1986 | Plate: 1

REPORT ON SOIL GEOCHEMISTRY

ROW 1,2 and 3 CLAIMS

NELSON MINING DIVISION

1.00 SUMMARY.

A grid was layed out over the whole property and soil samples were collected at 50 metre intervals along lines spaced at 100 metres. A total of 2438 samples were collected.

An anomaly indicating the presence of stratabound mineralization was found.

Total expenditure for this survey was $37,052.60.

2.00 INTRODUCTION.

2.10 Property Definition.

The ROW property is jointly owned by Esso Minerals Canada and Chevron Canada Resources Ltd. The work was performed by M. Waskett-Myers and two helpers.

2.20 Location and Access.

The ROW grid is located on the west side of Arrow creek, 8km north east of Creston.

Access to the south end of the property is by logging road off the O'Kell creek road. The north end of the property is reached by forestry access road up Duck creek from the Wynndel gravel pit.

2.30 Topography and Vegetation.

The survey grid is situated in an area of high relief with elevations ranging from 823 metres to 1768 metres above sea level, in part the property is very steep with step like cliffs.

Two main streams, tributaries of Arrow creek, run through the property.

The area is well wooded, in part by the origional forest and in part by secondary growth after logging. Trees present are lodgepole pine, fir, larch, cedar, birch and poplar. In some areas, particularly in the creek valleys, growth is dense and hard to penetrate; however in general the country is open and easy to walk through.

2.40 OBJECTIVES.

The geochemical survey was undertaken to explore for statabound Pb/Zn deposits in Precambrian rocks of the Aldridge Formation.

3.00 GEOCHEMISTRY.

3.10 Sampling Procedure.

A base line was cut and pickets placed every 100 metres, the base line runs through the centre(approx.) of the grid. The east and west claim boundaries were also measured and pickets placed every 100 metres, this was to enable a better estimation of line position. Lines were run east and west from the base line at 100 metre intervals, samples were taken every 50 metres along these lines.

The samples were collected from the 'B' Horizon at depths of 10 to 20 centimetres, using a shovel.

Samples were air dried , sorted and sent to Min-En Labs. in North Vancouver for I.C.P. analysis.

3.20 Analytical Procedure.

Following an acid ($HClO_4$,HNO_3) digestion all samples were run for 32 elements using Inductivly Coupled Plasma (I.C.P.) spectroscopy.

Only lead and zinc values have been plotted to date, but with this large data base a lot more work remains to be done.

3.30 CONCLUSIONS.

The main anomaly on the east side of the property is parallel to strike and indicates the presence of statabound mineralization.

Though the lead and zinc values are elevated along a considerable strike length the values are not very high, this would tend to indicate that if an ore deposit exists, it is either small or some distance away. Further work is required to fully evaluate this property.

M. Waskett-Myers

M.WASKETT-MYERS.

Geochemist.

4.0 I.C.P. RESULTS

PART 5. TABLES OF RAW DATA.

Table 5.1. Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
0+0050E	0.2	16830	1	8	185	2.7	4	1940	3.2	5	17	44800	1550	10	4880	767	4	50	9	540	30	2	25	1	1	25.9	89	1	1	1	7	3	10
0+0100E	0.5	31850	12	18	169	5.0	7	2230	4.1	8	71	63600	2660	20	6510	875	7	60	22	450	51	3	31	1	1	45.4	107	1	1	1	12	7	27
0+0150E	0.1	14410	1	1	287	2.8	4	3110	3.5	5	17	37960	2070	11	6320	1567	3	50	13	800	42	2	35	1	1	21.1	149	1	1	1	7	5	17
0+0200E	0.2	20720	1	7	195	3.9	6	2940	4.3	7	32	46750	2100	13	5910	1055	4	40	18	760	49	3	36	1	1	26.6	116	1	1	1	8	4	21
0+0250E	0.1	12720	1	1	184	2.4	4	1850	2.4	3	13	30940	2030	9	3120	455	3	60	10	530	25	2	25	1	1	13.2	122	1	1	1	5	2	7
0+0300E	0.2	12640	1	1	113	2.9	5	1180	2.5	5	25	30360	2010	7	3500	632	4	30	12	570	47	4	21	1	1	14.8	78	1	1	1	7	4	10
0+0350E	0.3	19100	1	7	161	3.0	4	3030	2.0	5	22	43610	2360	11	2520	458	4	90	14	540	53	2	42	1	1	13.9	86	1	1	1	7	4	6
0+0400E	0.2	20630	1	8	327	2.6	4	4080	2.1	5	27	40470	2190	12	2250	1061	4	100	13	1310	35	2	50	1	1	11.6	124	1	1	1	6	5	6
0+0450E	0.2	22360	1	11	332	3.8	5	4070	3.3	7	26	40870	2400	13	2590	1264	5	80	19	2000	58	3	58	1	3	13.5	130	1	1	1	9	5	8
0+0500E	0.1	10720	1	1	93	2.0	3	1530	2.4	4	16	37790	1260	7	4370	376	2	30	9	190	27	2	17	1	1	22.1	47	1	1	1	5	3	9
0+0550E	0.1	21030	1	7	263	2.9	5	1860	3.0	6	22	47490	1650	12	3610	1293	4	40	20	700	50	3	33	1	1	22.0	98	1	1	1	9	5	10
0+0600E	0.1	19410	1	4	287	2.6	5	2320	3.0	5	21	50200	1370	12	4300	1923	2	60	11	650	37	1	31	1	1	25.1	80	1	1	1	7	4	10
0+0650E	0.1	18400	1	1	249	2.3	6	1730	2.3	4	17	42430	1140	12	3460	746	3	50	12	1320	28	5	27	1	1	20.4	93	1	1	1	5	3	9
0+0700E	0.1	22110	1	7	140	2.8	5	2440	3.0	7	32	47750	1130	13	4350	973	4	60	16	1160	47	1	36	1	1	26.3	102	1	1	1	8	5	9
0+0800E	0.3	26100	1	10	174	3.3	5	2650	3.4	11	39	70750	1920	16	4940	1298	4	60	19	680	54	1	34	1	1	33.0	141	1	1	1	9	6	10
0+0850E	0.4	22850	1	9	207	1.9	4	4060	1.8	6	34	56520	1560	12	2680	650	2	370	14	2820	27	1	61	1	1	15.5	146	1	1	1	6	3	4
0+0900E	0.1	27000	1	12	231	3.6	5	2530	2.9	9	36	62770	1620	16	4450	1905	5	60	19	700	56	2	37	1	1	27.5	137	1	1	1	10	5	9
0+1000E	0.2	22010	1	11	323	1.0	2	3730	1.6	4	17	53480	1240	15	2350	621	2	290	11	2600	18	1	56	1	1	13.0	220	1	1	1	5	3	4
0+0000W	0.1	17630	1	3	225	2.6	2	3130	2.8	5	18	54680	2450	13	5640	1097	1	90	11	570	24	1	24	1	1	27.5	80	1	1	1	6	1	14
0+0050W	0.1	18570	1	2	295	3.1	4	3500	3.5	7	23	56250	2240	12	6560	1656	1	180	13	530	37	3	37	1	1	30.7	77	1	1	1	8	2	19
0+0100W	0.1	28640	1	12	233	4.6	6	2840	4.1	14	73	70680	3150	20	8620	1520	2	90	20	530	82	4	24	1	1	45.6	95	1	1	1	10	4	26
0+0150W	0.1	14350	1	1	55	3.4	4	1540	2.6	6	24	43800	1900	9	7430	231	2	60	12	300	28	4	15	1	1	30.6	44	1	1	1	7	3	22
0+0200W	0.1	19350	1	3	255	2.5	3	2330	2.6	5	21	58380	1950	13	5140	997	1	270	11	300	27	1	21	1	1	28.9	76	1	1	1	6	2	13
0+0250W	0.2	30980	1	1	390	4.3	7	3770	4.8	10	53	80950	1840	24	13960	2201	3	180	18	900	63	5	23	1	1	73.9	99	1	1	1	11	3	27
0+0300W	0.1	17610	1	3	243	3.9	5	2140	3.3	8	35	60190	2560	10	5640	1886	1	70	15	620	47	3	21	1	1	34.1	172	1	1	1	9	3	6
0+0350W	0.2	20260	1	5	172	4.9	5	3670	3.3	7	33	56040	2510	13	5240	842	3	220	21	840	52	6	36	1	1	38.8	124	1	1	1	10	4	10
0+0400W	0.1	24450	1	8	348	3.7	5	2780	3.9	7	23	63210	2860	15	4810	1939	1	310	14	510	47	3	32	1	1	28.3	124	1	1	1	8	3	7
0+0450W	0.1	28580	1	12	327	3.1	4	3130	3.6	7	30	71780	2740	16	4930	1524	1	150	13	500	31	1	27	1	1	30.8	99	1	1	1	7	3	5
0+0500W	0.6	22960	1	5	71	3.4	6	3500	3.7	9	57	107290	2520	15	12190	273	1	50	14	50	29	3	22	1	1	78.9	49	1	1	1	10	3	6
0+0550W	0.4	32820	1	14	196	4.6	6	3380	4.2	9	58	80590	2970	19	7340	833	2	100	21	540	59	3	28	1	1	39.8	126	1	1	1	10	4	10
0+0600W	0.3	19680	1	2	56	3.0	4	2230	2.6	8	50	84620	2710	14	9380	241	1	80	12	50	38	1	15	1	1	55.0	48	1	1	1	7	1	6
0+0650W	0.2	15370	1	1	56	3.3	4	1940	3.3	6	50	56910	1710	10	7380	310	1	80	11	180	31	3	16	1	1	41.8	43	1	1	1	7	3	7
0+0700W	0.4	28760	1	13	160	3.3	5	3490	3.3	8	40	92740	2970	17	8150	488	1	160	12	80	22	1	25	1	1	52.6	46	1	1	1	9	3	1
0+0750W	0.8	41360	1	21	161	5.3	7	4550	4.9	12	97	93530	3190	28	11410	920	3	140	22	390	58	3	27	1	17	65.1	68	1	1	1	14	4	9
0+0850W	0.1	21460	1	5	131	3.2	3	1980	3.9	6	30	65790	2170	13	7020	487	1	70	11	230	25	2	18	1	1	45.7	53	1	1	1	7	3	5
0+0900W	0.4	29670	22	12	136	6.1	9	4420	4.6	11	377	60130	2440	18	8120	866	4	60	19	650	62	7	26	1	1	83.9	74	1	1	1	16	5	13
0+0950W	0.3	21050	6	6	185	4.7	6	4000	5.3	7	33	48280	2980	12	9800	681	5	90	11	1140	45	5	49	1	1	63.7	95	1	1	1	12	6	8
0+1000W	0.1	30620	16	14	342	4.7	6	4740	4.5	10	105	71490	2940	17	7050	2295	6	270	15	1210	54	3	52	1	1	57.0	132	1	1	1	13	8	6
0+1050W	0.1	17440	1	1	192	2.8	4	1890	2.5	5	19	45300	2250	10	4430	634	4	300	9	330	29	2	26	1	1	32.7	54	1	1	1	7	4	6
0+1100W	0.3	25350	1	6	174	3.6	5	2310	3.7	7	26	63040	1450	16	7080	701	4	180	13	1480	111	2	27	1	1	32.6	184	1	1	1	10	5	8
0+1150W	0.3	25710	1	5	207	2.9	5	2690	3.0	6	27	69040	1700	13	4680	686	2	100	12	380	36	1	30	1	1	35.3	79	1	1	1	9	5	6
0+1200W	0.4	30440	1	10	242	3.5	5	2970	3.6	9	37	69020	3030	15	4380	624	5	210	20	680	49	1	41	1	1	23.7	109	1	1	1	9	5	18
0+1250W	0.2	41690	59	20	177	7.9	13	4280	7.3	19	300	196390	7000	17	14850	738	4	120	27	80	62	6	53	1	1	228.5	121	1	1	1	20	10	1
0+1300W	0.1	23850	1	2	280	3.8	5	2670	3.9	7	29	52950	2190	12	5280	1524	5	70	14	610	43	3	34	1	1	33.6	97	1	1	1	10	6	11
0+1350W	0.3	29800	1	6	267	3.0	4	2120	2.9	5	20	58070	2140	15	4590	755	5	180	13	1220	36	1	34	1	1	26.2	119	1	1	1	9	6	8
0+1400W	0.6	27410	11	6	117	5.0	8	2850	4.0	8	100	73540	3220	13	7860	350	5	70	16	280	55	4	29	1	1	112.5	86	1	1	1	12	7	10
0+1450W	0.3	32510	1	9	250	3.3	4	2470	2.8	6	22	70410	1980	17	5050	794	4	130	16	600	36	1	32	1	1	30.8	144	1	1	1	10	6	13
0+1500W	0.1	25580	1	4	375	2.9	4	3090	2.7	5	23	61200	2310	14	4710	1781	3	120	10	1050	38	1	33	1	1	28.6	120	1	1	1	8	4	7

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
1+0050E	0.1	17530	1	3	244	2.0	3	1970	1.3	3	13	38940	1400	12	3250	433	3	110	11	1100	20	1	22	1	1	18.1	91	1	1	1	6	3	6
1+0100E	0.1	15800	1	2	140	2.5	3	1720	2.6	4	24	39910	1990	10	4760	428	3	40	10	440	28	2	18	1	1	27.4	70	1	1	1	6	4	12
1+0150E	0.1	16790	1	4	262	2.4	4	2400	2.7	6	25	47150	1840	12	5670	1415	3	50	11	560	38	2	26	1	1	27.1	87	1	1	1	7	3	14
1+0200E	0.3	20140	1	6	105	3.2	5	1600	2.6	6	37	59660	2730	14	8540	304	4	40	15	540	46	3	25	1	1	36.4	70	1	1	1	8	4	17
1+0250E	0.1	14610	1	1	263	2.4	3	2240	3.0	4	18	38550	1940	9	3400	1483	3	60	11	540	35	2	32	1	1	17.5	97	1	1	1	6	3	8
1+0300E	0.1	12720	1	1	137	2.6	3	1230	3.1	4	20	30630	1910	9	2980	366	4	30	10	510	36	2	20	1	1	12.5	74	1	1	1	6	4	7
1+0350E	0.1	14940	1	3	202	2.6	3	2390	3.4	5	24	37530	2360	10	2480	1232	4	50	15	560	46	2	33	1	1	12.2	89	1	1	1	6	3	6
1+0400E	0.2	11500	1	1	109	2.7	4	1740	2.1	4	24	31920	2020	6	2310	456	3	40	11	450	33	3	25	1	1	10.7	57	1	1	1	5	3	5
1+0450E	0.1	18260	1	7	257	2.1	3	3120	2.5	4	17	35050	2160	10	2460	627	4	80	14	900	39	1	40	1	1	10.2	120	1	1	1	6	4	5
1+0500E	0.1	24830	1	9	263	2.8	4	2470	3.2	6	21	53330	1580	16	4280	1362	5	100	15	1010	48	1	33	1	1	17.9	170	1	1	1	7	5	8
1+0550E	0.2	17850	1	5	164	2.3	3	1840	2.1	4	16	46270	1580	11	4950	455	3	80	11	260	23	1	23	1	1	26.2	60	1	1	1	6	4	9
1+0600E	0.1	23460	1	8	333	2.8	4	2620	3.9	5	21	51950	1630	16	5160	1918	5	80	15	1040	29	1	34	1	1	25.1	122	1	1	1	7	4	11
1+0650E	0.3	25440	1	9	281	2.2	4	3030	2.6	4	21	56840	1050	13	3770	595	3	170	12	1430	20	1	34	1	1	21.9	84	1	1	1	7	4	6
1+0700E	0.1	21790	1	8	254	2.7	4	2840	3.1	7	27	53350	1450	14	4620	1536	3	70	16	1100	38	1	36	1	1	26.4	117	1	1	1	6	4	8
1+0750E	0.8	32890	15	19	156	4.9	8	4170	4.2	13	55	133970	4750	23	10270	896	2	60	28	500	51	2	44	1	1	95.4	123	1	1	1	12	6	28
1+0800E	0.1	25450	10	15	342	3.4	6	4330	4.0	14	59	76610	2460	17	5180	2901	4	70	23	1450	83	2	54	1	1	32.6	188	1	1	1	10	5	11
1+1000E	0.3	23070	1	10	207	1.9	4	2720	1.5	5	16	61590	1290	16	3160	572	2	180	12	860	25	1	32	1	1	23.6	97	1	1	1	6	4	4
1+0050W	0.1	16190	1	1	162	2.9	3	2640	2.7	6	19	49830	2220	11	6260	735	3	50	12	260	27	3	21	1	1	33.4	74	1	1	1	7	4	19
1+0100W	0.2	14020	1	1	104	2.9	3	1760	3.0	5	18	47260	1840	9	6600	351	2	40	11	240	32	3	18	1	1	36.2	53	1	1	1	7	3	17
1+0150W	0.4	21760	1	1	185	3.4	6	6270	6.2	7	86	61370	1840	18	6100	2683	4	150	38	620	68	3	50	1	8	33.9	242	1	1	1	10	4	15
1+0200W	0.2	12480	1	1	157	2.1	4	2170	1.6	4	15	41290	1880	8	4510	475	2	70	8	190	32	2	18	1	1	24.8	58	1	1	1	5	3	8
1+0250W	0.2	16060	1	1	229	2.9	5	1980	2.8	5	16	52090	2300	9	5510	450	3	70	9	250	30	2	20	1	1	31.3	60	1	1	1	6	4	9
1+0300W	0.1	14460	1	1	136	2.7	3	2290	1.3	5	15	43200	2310	9	5270	638	3	40	8	410	31	2	21	1	1	31.7	56	1	1	1	7	4	9
1+0350W	0.1	24640	1	3	227	3.6	4	3500	3.2	8	32	59450	2510	14	5170	1362	4	70	15	1090	53	3	35	1	1	34.6	120	1	1	1	10	6	9
1+0400W	0.2	19540	1	1	312	3.0	5	2920	2.2	6	19	54730	2640	11	5400	1245	3	70	12	330	40	2	25	1	1	30.6	81	1	1	1	7	4	13
1+0450W	0.5	23670	1	1	142	3.0	5	2990	3.1	7	28	84700	2580	14	7050	387	2	120	11	80	32	1	25	1	1	50.2	172	1	1	1	9	5	8
1+0500W	0.3	28620	1	7	275	3.6	6	2230	3.6	8	39	66480	2880	16	5100	836	5	80	17	470	49	2	25	1	1	31.8	103	1	1	1	10	6	9
1+0550W	0.5	33510	3	10	218	3.9	6	2880	3.1	7	54	76120	2240	19	7440	360	5	160	16	410	42	1	37	1	1	42.0	101	1	1	1	11	7	11
1+0650W	0.5	38400	10	15	259	4.5	6	3590	3.2	11	52	83090	2390	20	7390	1074	6	120	19	750	51	2	38	1	1	44.4	108	1	1	1	12	7	11
1+0700W	0.7	47180	19	22	245	5.7	7	5510	6.1	11	94	83860	3070	32	12650	1235	7	150	21	880	63	3	43	1	1	61.4	109	1	1	1	16	10	15
1+0800W	0.4	36770	23	15	142	5.9	7	2660	5.5	10	132	82610	2960	22	13710	698	9	50	19	380	60	5	33	1	1	93.6	89	1	1	1	15	10	15
1+0850W	0.3	28290	1	29	187	2.9	4	3930	2.7	6	46	59750	1670	17	6110	437	1	190	9	1360	23	1	26	1	1	31.3	68	1	1	1	8	2	2
1+0950W	0.4	33630	9	19	162	5.8	8	3230	4.0	13	185	64090	2400	19	9480	479	5	160	16	840	41	3	42	1	1	95.7	75	1	1	1	15	5	6
1+1000W	0.1	27160	1	13	256	3.7	4	3680	3.2	11	37	54080	2000	15	4310	1707	2	130	13	1560	54	1	29	1	1	23.2	108	1	1	1	9	3	4
1+1050W	0.1	17080	1	5	226	2.8	4	2230	2.2	4	14	35390	2090	9	3790	980	2	70	11	570	27	1	25	1	1	16.7	70	1	1	1	7	2	6
1+1100W	0.1	23600	1	10	276	3.1	4	2440	3.2	7	18	54020	1270	15	4940	1229	2	140	14	1190	41	1	29	1	1	24.2	93	1	1	1	8	2	4
1+1150W	0.3	27890	1	12	181	4.7	5	2450	4.4	11	45	64020	1630	14	5690	1465	2	80	21	1040	59	2	27	1	1	44.0	117	1	1	1	11	3	4
1+1200W	0.5	26360	12	12	104	6.2	9	3130	5.1	9	113	71750	2260	11	9730	519	4	50	17	370	42	5	25	1	1	130.7	76	1	1	1	16	5	3
1+1250W	0.2	18100	1	4	89	4.7	6	1120	3.6	6	42	49890	2650	8	7010	376	3	40	16	380	34	3	18	1	1	69.0	66	1	1	1	10	4	12
1+1300W	0.1	26060	1	10	193	3.6	4	1610	2.5	7	26	52000	1120	12	4890	1231	1	90	14	1090	34	1	23	1	1	30.6	89	1	1	1	9	3	5
1+1350W	0.5	23770	1	9	133	4.9	6	1790	3.9	7	70	60720	2860	12	8610	403	2	80	15	340	54	3	21	1	1	105.5	94	1	1	1	12	4	6
1+1400W	0.2	16560	1	3	141	3.4	4	1480	3.1	4	18	38220	1400	9	5960	311	3	50	10	370	27	2	19	1	1	36.8	59	1	1	1	8	2	7
1+1450W	0.3	18970	1	5	131	2.8	3	1230	2.4	4	17	43500	1060	11	5320	261	1	70	11	440	28	1	17	1	1	26.7	69	1	1	1	7	3	7
1+1500W	0.1	13970	1	1	180	2.4	3	2030	2.8	4	14	37260	1270	8	4230	918	2	60	8	570	25	1	21	1	1	20.5	57	1	1	1	5	2	4

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb / Sb	Sr	Th	U	V	Zn / Ga	Ge / Se	Sn	W	Cr
02+0050E	0.2	22560	1	7	190	2.7	4	2510	1.7	5	25	54220	1240	14	4620	486	3	80	11	900	33	1	18	1	1	30.7	71	1	1	1	7	5	8
02+0100E	0.2	13570	1	1	161	1.7	3	1880	2.0	3	13	45950	1250	11	4850	290	2	70	9	190	19	1	17	1	1	23.3	60	1	1	1	5	3	10
02+0150E	0.1	23980	1	11	294	2.4	4	2500	2.0	5	22	56630	1430	14	4040	1192	3	130	12	750	51	1	24	1	1	23.6	83	1	1	1	7	4	6
02+0200E	0.3	22100	1	11	179	2.4	4	2390	1.9	5	20	56130	1920	15	5700	683	3	100	11	460	18	1	21	1	1	26.3	82	1	1	1	7	4	12
02+0250E	0.3	25580	1	14	194	3.1	5	2040	3.1	6	29	61510	1410	16	5740	570	4	80	14	1150	37	1	24	1	1	33.1	85	1	1	1	8	5	10
02+0300E	0.1	22340	1	10	200	2.5	5	2000	2.1	5	20	52470	1270	15	4650	666	3	120	14	1240	27	1	23	1	1	25.0	111	1	1	1	7	5	8
02+0350E	0.1	9020	1	1	85	2.1	4	1100	1.7	4	23	27590	1650	5	2650	377	3	30	8	280	25	3	15	1	1	11.9	41	1	1	1	5	3	7
02+0400E	0.1	9410	1	1	88	2.5	4	1560	2.3	3	19	29640	1520	6	2840	353	3	30	8	420	23	3	19	1	1	14.9	50	1	1	1	5	3	7
02+0450E	0.3	18250	1	7	162	2.8	3	2480	2.3	5	21	44940	2400	11	4140	824	4	70	18	690	34	2	29	1	1	19.0	79	1	1	1	7	4	10
02+0500E	0.1	30080	17	18	322	4.1	5	3240	3.7	10	34	64960	2240	18	5540	2549	6	70	22	1540	70	3	44	1	1	28.9	152	1	1	1	11	6	13
02+0550E	0.1	24280	1	13	376	2.5	4	3110	3.5	6	24	57800	1920	19	4110	1651	3	170	16	1140	60	1	41	1	1	20.0	165	1	1	1	8	4	7
02+0600E	0.1	19610	1	6	460	2.2	2	2970	2.5	5	16	50280	1270	13	3770	1631	3	140	16	1390	27	1	34	1	1	19.9	140	1	1	1	6	3	7
02+0650E	0.2	26980	1	13	375	2.9	4	3030	3.2	6	33	61440	1340	16	4970	1360	4	80	14	870	37	1	37	1	1	27.8	99	1	1	1	9	6	11
02+0700E	0.3	20960	1	11	393	1.5	4	3080	1.8	4	15	56230	1320	16	2980	652	3	260	15	1310	17	1	47	1	1	15.6	170	1	1	1	6	4	5
02+0750E	0.3	30130	1	14	164	3.2	4	1860	2.9	6	27	61750	1060	15	5170	695	5	80	13	760	34	1	25	1	1	31.7	87	1	1	1	10	6	11
02+0800E	0.1	26750	2	15	291	3.6	5	2800	4.1	11	46	66620	2410	16	5570	2297	5	50	23	710	68	2	36	1	1	38.4	147	1	1	1	11	7	13
02+0850E	0.1	27340	2	12	243	4.5	6	3520	3.6	14	55	67640	2420	15	5310	2312	4	50	23	1140	109	3	44	1	1	28.8	158	1	1	1	12	7	10
02+0050W	0.1	14560	1	3	200	3.1	3	1480	2.9	5	18	36690	1870	9	4970	644	2	40	12	280	32	2	15	1	1	27.5	62	1	1	1	7	3	13
02+0100W	0.2	21850	1	7	132	3.8	4	2580	3.3	6	22	45820	1540	18	5780	254	2	50	12	1100	34	2	22	1	1	27.9	75	1	1	1	9	3	13
02+0150W	0.2	16960	1	3	181	2.5	4	1590	2.3	4	20	38910	1280	11	4200	254	1	140	10	390	18	1	19	1	1	22.2	74	1	1	1	6	1	7
02+0200W	0.3	13370	1	1	125	2.3	4	1080	1.7	3	14	38720	1450	8	5100	248	1	70	8	150	27	1	12	1	1	25.1	35	1	1	1	6	2	4
02+0250W	0.2	14870	1	1	110	3.2	3	1120	2.4	4	22	38010	1520	9	5450	308	2	50	11	230	30	2	15	1	1	30.8	54	1	1	1	7	2	10
02+0300W	0.3	22730	1	9	133	3.8	5	3090	3.0	7	29	60770	1860	13	7330	425	1	90	12	210	31	2	23	1	1	45.2	55	1	1	1	9	3	4
02+0350W	0.2	24980	1	11	204	4.5	5	2520	3.1	7	36	53830	2490	15	5520	918	2	60	16	570	57	2	23	1	1	30.7	94	1	1	1	9	3	10
02+0400W	0.1	12860	1	2	348	2.8	4	1910	2.5	5	16	32200	2210	7	4060	1273	2	60	9	490	36	2	19	1	1	23.7	69	1	1	1	7	3	6
02+0450W	0.2	23450	1	11	152	4.9	5	3060	3.6	8	41	60580	2490	14	9910	783	3	80	14	390	36	3	20	1	1	63.0	67	1	1	1	12	4	9
02+0500W	0.2	23370	1	9	139	3.9	4	1930	2.5	6	36	45190	1510	13	5630	431	2	50	11	420	33	1	16	1	1	34.1	57	1	1	1	8	4	5
02+0550W	0.3	17630	1	3	106	3.8	5	970	2.6	5	34	39220	1800	10	5600	307	2	40	12	220	39	2	14	1	1	34.2	52	1	1	1	9	3	9
02+0600W	0.3	20200	1	7	127	4.2	5	2750	2.8	6	36	55900	2520	12	9070	419	2	60	13	420	34	2	24	1	1	57.7	62	1	1	1	11	3	6
02+0650W	0.2	36480	1	22	310	6.2	7	4060	4.9	10	83	85600	2090	25	16680	1586	4	60	24	1120	55	4	34	1	1	101.0	103	1	1	1	16	6	33
02+0700W	0.2	27850	1	14	170	5.7	6	2710	3.5	8	80	61670	2140	18	10690	892	5	50	14	550	56	4	25	1	1	60.3	72	1	1	1	11	5	4
02+0750W	0.2	28840	1	18	205	4.2	5	2370	2.9	6	36	58050	1780	21	11450	541	3	70	12	500	39	1	21	1	1	45.6	63	1	1	1	13	4	6
02+0800W	0.1	28730	1	13	160	4.5	4	2420	3.4	5	27	50590	1510	21	11960	321	3	90	12	530	48	2	29	1	1	32.4	57	1	1	1	11	3	7
02+0900W	0.1	22230	1	8	134	3.8	4	1510	2.9	5	21	39700	1430	12	5910	490	2	40	11	530	34	1	17	1	1	21.6	64	1	1	1	9	3	8
02+0950W	0.1	16330	1	4	174	2.8	4	1750	2.9	4	20	38130	1760	10	4670	609	2	90	10	260	25	1	25	1	1	21.2	60	1	1	1	8	2	6
02+1000W	0.1	11740	1	1	182	2.5	2	2370	2.5	3	19	31740	1480	7	4020	1144	1	70	10	340	31	1	23	1	1	18.2	98	1	1	1	7	2	7
02+1050W	0.1	24070	1	8	217	3.0	3	1180	2.8	5	17	44130	1380	13	4270	438	2	100	12	1140	22	1	14	1	1	22.2	79	1	1	1	8	2	7
02+1100W	0.1	23760	1	8	130	3.9	4	1750	3.1	6	30	48140	1090	13	6070	365	2	50	13	580	33	2	18	1	1	40.0	64	1	1	1	10	4	7
02+1150W	0.1	18220	1	4	189	4.4	5	1960	3.3	7	28	46280	1540	10	6880	1149	3	40	13	580	42	3	26	1	1	62.9	86	1	1	1	10	4	4
02+1200W	0.1	25900	5	12	196	6.5	8	1600	4.6	10	69	74950	3490	12	9370	1007	4	50	15	360	42	6	28	1	1	148.9	77	1	1	1	16	5	1
02+1250W	0.2	22220	1	6	155	3.3	4	1780	2.6	6	22	53340	1360	13	5550	491	2	90	21	340	27	1	20	1	1	31.9	70	1	1	1	10	3	8
02+1300W	0.1	21650	1	6	244	2.9	3	2190	2.4	5	19	46540	1430	12	4330	1044	2	90	12	510	28	1	26	1	1	23.6	72	1	1	1	7	2	6
02+1350W	0.1	20550	1	7	236	3.0	4	2610	2.3	5	23	52470	1810	12	5650	883	1	90	10	360	30	1	23	1	1	38.1	76	1	1	1	7	2	5
02+1400W	0.1	17820	1	3	161	2.5	3	1500	2.6	4	14	43430	1470	10	4640	548	1	80	12	390	29	1	19	1	1	23.7	76	1	1	1	6	2	4
02+1450W	0.1	19540	1	5	297	2.0	3	2010	2.1	3	15	42550	1430	11	3610	820	1	130	9	610	16	1	25	1	1	17.9	94	1	1	1	6	2	4
02+1500W	0.1	11540	1	1	87	3.1	4	1080	2.4	5	28	36630	1130	6	4990	427	2	50	9	260	38	2	13	1	1	26.8	44	1	1	1	8	3	6

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
3+0050W	0.1	21440	1	8	222	2.6	4	1980	2.9	6	26	55690	1010	15	4930	1210	4	60	11	590	32	1	20	1	1	32.3	73	1	1	1	8	3	7
3+0100W	0.2	26610	1	10	216	3.4	4	2270	2.3	7	52	68440	1070	18	6170	756	4	70	11	360	51	1	26	1	1	43.3	75	1	1	1	9	5	8
3+0150W	0.2	27770	1	11	248	3.6	4	2600	4.4	8	34	64110	1090	22	10030	903	5	70	17	350	56	1	24	1	1	42.2	80	1	1	1	10	6	27
3+0200W	0.2	25290	1	9	136	3.2	4	1940	3.0	6	36	56970	1130	18	8220	473	4	50	13	530	30	1	18	1	1	41.5	72	1	1	1	9	3	16
3+0250W	0.3	23050	1	7	153	2.7	3	1420	2.3	5	21	51670	870	15	6540	373	4	90	13	750	28	1	18	1	1	31.8	79	1	1	1	8	5	12
3+0300W	0.2	26340	1	10	212	3.7	4	2500	3.0	8	32	85770	3170	22	10780	682	4	90	17	1330	35	1	31	1	1	38.1	90	1	1	1	9	4	12
3+0350W	0.1	21900	1	8	106	3.3	5	2750	2.4	7	34	46180	1000	23	7230	940	5	70	16	480	38	2	22	1	1	33.8	81	1	1	1	9	5	22
3+0400W	0.2	17720	1	3	88	2.6	3	1850	1.6	5	17	47330	1030	19	5880	330	3	110	12	190	28	2	21	1	1	28.9	64	1	1	1	7	2	12
3+0450W	0.1	27790	1	12	280	3.9	5	2520	3.6	8	33	61720	1650	19	7830	1576	5	60	20	870	41	2	33	1	1	34.6	105	1	1	1	11	5	17
3+0500W	0.2	18900	1	4	136	3.1	4	2330	2.1	6	32	51670	940	14	8850	831	4	30	15	270	44	3	27	1	1	40.6	70	1	1	1	9	4	19
3+0550W	0.3	25030	1	12	179	3.4	5	2330	3.9	7	42	59530	1140	17	8720	988	5	60	19	640	44	2	26	1	1	40.3	92	1	1	1	9	4	19
3+0600W	0.1	23010	1	12	649	2.9	4	4530	3.7	6	19	56870	1600	18	5440	2470	4	120	16	1580	54	2	59	1	1	23.2	181	1	1	1	7	4	12
3+0650W	0.1	25560	1	9	362	3.5	4	2620	3.1	6	23	55580	1530	18	6190	1569	5	80	16	940	45	2	30	1	1	30.1	130	1	1	1	9	4	14
3+0700W	0.1	32840	1	19	206	4.0	5	2710	3.5	10	39	74450	1320	18	5870	1097	2	80	22	700	86	4	17	1	1	34.1	128	1	1	1	9	2	11
3+0750W	0.1	23140	1	10	471	2.8	4	4580	3.0	7	19	62690	2070	21	4060	1684	3	220	16	1200	48	1	57	1	1	24.2	207	1	1	1	8	3	8
3+0800W	0.6	30500	3	16	154	4.3	7	2250	3.5	11	45	71810	2430	17	5880	917	5	50	24	450	72	4	31	1	4	33.7	132	1	1	1	12	6	14
3+0850W	0.6	33870	18	16	158	4.8	7	4100	3.9	13	58	76100	2890	22	5600	1695	7	90	29	620	89	3	43	1	4	35.9	154	1	1	1	13	6	13
3+0900W	0.1	28840	18	12	147	4.4	7	2500	3.1	16	50	68920	2100	18	5900	2374	5	50	30	980	89	4	33	1	1	35.3	175	1	1	1	12	6	21
3+1000W	0.4	27610	1	16	395	3.7	6	5090	2.5	8	32	67740	2210	22	4850	1099	5	140	20	1890	70	3	70	1	1	23.4	287	1	1	1	10	4	11
3+0050W	0.2	17150	1	2	179	2.8	4	1860	2.4	5	18	50510	1760	11	5500	507	1	320	11	310	28	1	18	1	1	28.7	62	1	1	1	6	2	10
3+0100W	0.1	21020	1	6	220	2.5	3	2170	2.7	4	21	45350	1290	12	3590	557	1	200	12	1260	33	1	24	1	1	17.6	90	1	1	1	6	3	4
3+0150W	0.1	10900	1	1	85	2.5	2	970	2.0	3	16	31610	710	7	4640	103	1	50	7	300	25	1	11	1	1	26.5	32	1	1	1	6	3	4
3+0200W	0.1	24290	1	8	268	2.3	4	1870	2.1	5	19	50560	1030	13	3650	712	1	190	13	1620	22	1	20	1	1	19.0	85	1	1	1	7	2	3
3+0250W	0.2	30020	1	14	191	4.2	5	1930	3.6	8	36	58200	1630	17	5890	873	1	80	19	680	45	2	24	1	1	31.7	114	1	1	1	10	3	6
3+0300W	0.1	27790	1	13	214	3.8	5	3070	3.6	7	27	61330	1870	18	7770	933	2	140	17	420	35	1	25	1	1	41.7	78	1	1	1	9	3	7
3+0350W	0.1	30590	1	14	232	4.6	5	3810	3.5	14	65	61500	1700	18	7910	1315	2	80	17	880	49	3	31	1	1	45.4	91	1	1	1	11	4	10
3+0400W	0.1	20200	1	5	161	4.3	4	3100	3.6	7	37	49820	2300	15	8980	1072	3	190	16	610	34	2	28	1	1	55.9	65	1	1	1	10	3	8
3+0450W	0.1	13960	1	1	156	3.2	4	1800	2.2	5	23	42410	2190	8	5550	548	1	130	10	430	32	2	21	1	1	33.4	54	1	1	1	7	2	5
3+0500W	0.1	23370	1	9	211	4.9	6	2860	4.0	8	54	65030	2770	15	7850	954	2	70	18	520	58	2	31	1	1	60.2	82	1	1	1	12	4	8
3+0550W	0.1	24410	1	9	233	4.5	6	2460	4.0	8	45	67730	2500	15	7750	722	1	130	15	1070	34	2	27	1	1	65.2	100	1	1	1	11	3	3
3+0600W	0.5	26480	1	12	127	4.5	7	3240	3.9	9	62	91960	2650	15	8420	480	1	140	14	350	34	2	30	1	1	95.6	83	1	1	1	11	3	1
3+0700W	0.2	25540	1	12	121	3.7	3	2210	4.0	5	17	41330	880	22	14160	495	4	50	22	850	34	2	24	1	1	35.4	64	1	1	1	12	2	6
3+0750W	0.1	18910	1	5	187	3.4	3	1520	3.8	5	20	34700	1280	14	6260	1049	3	100	18	480	33	2	17	1	1	14.7	55	1	1	1	9	3	7
3+0800W	0.1	19740	1	7	262	3.4	3	2310	3.0	6	18	42640	1930	13	5250	1336	2	320	23	700	32	2	24	1	1	26.6	68	1	1	1	10	4	7
3+0850W	0.1	20870	1	9	316	2.4	3	2090	3.1	4	18	44430	1850	13	3830	1079	1	420	25	680	19	1	29	1	1	18.2	73	1	1	1	6	2	4
3+0900W	0.1	19420	1	6	235	3.4	3	1140	3.0	6	21	44190	1660	13	5080	1076	2	250	33	510	33	2	16	1	1	28.3	84	1	1	1	9	3	10
3+0950W	0.3	15770	1	3	183	2.6	3	1180	2.2	4	15	43950	1380	10	5240	416	1	260	18	210	19	2	18	1	1	30.2	69	1	1	1	6	2	6
3+1000W	0.2	14730	1	1	85	2.6	3	1030	2.5	4	16	42860	1720	10	5040	209	1	220	17	180	22	2	14	1	1	25.2	64	1	1	1	6	1	5
3+1050W	0.2	15410	1	2	176	2.9	3	1290	2.9	4	18	47140	1500	10	5470	578	1	250	19	360	24	2	15	1	1	31.9	76	1	1	1	8	2	6
3+1100W	0.1	15220	1	2	93	2.5	3	980	2.3	4	26	41830	1080	10	4960	253	1	310	16	230	19	2	13	1	1	32.0	53	1	1	1	6	2	4
3+1150W	0.2	26800	1	12	246	3.5	4	1800	2.7	6	28	60030	1070	14	5700	612	1	100	25	670	25	1	22	1	1	38.4	87	1	1	1	9	3	5
3+1200W	0.2	16440	1	4	195	2.5	3	1990	2.3	4	15	44700	1880	9	4500	562	1	470	21	470	20	2	22	1	1	25.1	80	1	1	1	7	2	5
3+1250W	0.2	23480	1	10	292	2.6	4	1670	2.5	5	19	51900	1880	13	4420	625	1	860	28	770	20	1	24	1	1	20.7	81	1	1	1	7	2	5
3+1300W	0.2	16950	1	5	145	2.0	3	1420	1.4	3	12	49960	1150	12	4310	205	1	310	20	200	13	1	14	1	1	25.1	60	1	1	1	5	2	3
3+1350W	0.2	18750	1	6	284	2.0	2	1960	1.9	4	14	50320	1450	11	3920	807	1	260	25	850	18	1	25	1	1	21.1	88	1	1	1	6	1	7
3+1400W	0.2	24330	1	11	254	2.3	3	2370	2.0	4	15	48880	1780	14	3700	449	1	260	28	970	19	1	29	1	1	17.9	102	1	1	1	7	3	4
3+1450W	0.1	15720	1	3	196	1.9	2	1350	1.6	3	11	38010	1240	10	3170	268	1	300	18	260	16	1	18	1	1	14.9	77	1	1	1	5	1	4
3+1500W	0.3	11900	1	1	63	2.1	3	1140	2.4	4	24	36870	1200	7	3830	183	1	150	17	190	30	2	14	1	1	16.3	45	1	1	1	5	2	5

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb Sb	Sr	Th	U	V	Zn Ga	Ge Se	Sn	W	Cr
4+0050E	0.3	26430	1	8	244	2.6	4	1610	2.8	5	17	59460	980	14	4420	884	4	140	16	1100	34 1	23	1	1	27.2	84 1	1 1	9	4	5
4+0100E	0.3	27920	1	11	144	3.4	4	2580	2.8	7	28	60610	1300	20	6740	489	5	90	13	1300	33 2	26	1	1	42.0	95 1	1 1	9	6	13
4+0150E	0.3	15310	1	1	56	2.9	5	1410	2.4	6	41	52280	1350	10	6380	281	3	20	10	250	37 3	14	1	1	40.1	44 1	1 1	8	4	8
4+0200E	0.2	20370	1	5	197	2.9	4	2010	3.3	5	20	51660	1070	15	6030	834	4	60	13	1190	31 2	20	1	1	35.2	73 1	1 1	8	3	13
4+0250E	0.1	28800	1	9	273	3.4	5	2620	3.8	8	51	69420	1910	21	7670	2261	6	70	16	740	79 2	26	1	1	49.5	97 1	1 1	10	5	17
4+0300E	0.7	32570	2	12	380	4.1	8	4410	3.9	11	64	126210	4720	27	11510	1147	2	100	20	1090	55 1	45	1	1	64.4	115 1	1 1	10	4	6
4+0350E	0.1	27440	1	4	240	2.8	4	2240	3.8	6	24	57710	1150	25	6530	826	5	130	18	830	30 1	24	1	1	30.1	104 1	1 1	8	4	14
4+0400E	0.2	23860	1	2	236	2.4	5	2670	1.9	5	18	56390	1350	16	5340	903	3	160	18	1550	19 1	27	1	1	25.1	114 1	1 1	7	3	14
4+0450E	0.3	25990	1	5	155	2.9	5	2180	2.8	6	23	59230	1240	16	6560	518	3	110	19	870	24 1	27	1	1	34.3	82 1	1 1	7	3	15
4+0500E	0.1	21470	1	2	279	3.1	4	2530	3.5	7	28	57510	1450	16	8620	2051	5	50	19	700	38 3	30	1	1	42.9	115 1	1 1	8	4	21
4+0550E	0.1	26010	1	6	396	3.0	4	3610	4.0	9	33	61000	1640	18	5080	2622	4	100	22	1700	57 2	54	1	1	23.6	162 1	1 1	8	4	10
4+0600E	0.2	28910	1	7	242	2.7	4	2020	3.0	6	26	65880	1120	19	5920	935	5	120	14	750	27 1	26	1	1	28.8	96 1	1 1	8	3	12
4+0650E	0.1	21860	1	3	469	1.6	3	3990	1.8	5	18	52520	1430	15	2700	1270	2	330	14	1940	84 1	59	1	1	14.6	251 1	1 1	5	2	4
4+0700E	0.2	26440	8	7	160	4.0	6	3120	3.3	16	50	62380	1870	20	5560	1910	5	70	28	460	95 4	35	1	1	31.7	151 1	1 1	11	5	15
4+0750E	0.6	34730	13	13	157	4.1	7	3480	4.6	13	55	105770	2150	20	7550	1076	4	70	32	650	69 2	34	1	1	52.2	190 1	1 1	12	5	15
4+0800E	0.1	30040	11	9	152	4.7	7	2310	3.2	13	49	74080	2270	20	5650	1646	6	50	23	1210	80 3	28	1	1	37.1	156 1	1 1	11	6	13
4+0850E	0.1	26170	1	8	208	3.1	5	2740	2.7	9	32	64250	2340	17	4280	1374	4	130	17	300	47 1	38	1	1	23.0	101 1	1 1	8	4	7
4+0900E	0.1	29370	16	10	246	4.3	6	2730	3.3	12	39	64240	2270	22	4300	2190	6	70	26	590	78 3	36	1	1	23.2	202 1	1 1	12	5	9
4+0950E	0.1	24600	7	8	213	3.8	5	3940	3.1	12	54	63160	1720	18	4150	3341	5	90	26	940	69 3	43	1	1	22.8	214 1	1 1	11	5	8
4+1000E	0.2	26310	1	12	458	2.7	5	6240	2.4	7	24	60610	2320	22	3620	1676	4	230	18	2110	42 1	72	1	1	17.9	189 1	1 1	9	3	8
4+0050W	0.2	15960	1	3	154	2.1	3	1940	1.7	4	15	48900	1230	12	4950	472	1	70	21	90	18 1	19	1	1	28.9	59 1	1 1	6	1	4
4+0100W	0.2	17550	1	4	164	2.7	4	2160	2.6	5	23	49890	1500	11	5570	404	1	70	25	320	27 2	24	1	1	31.8	63 1	1 1	7	3	9
4+0150W	0.1	23190	1	12	775	3.0	4	9340	3.4	8	30	56230	2120	18	5040	2976	1	180	38	2860	44 2100	1	7	21.8	199 1	1 1	8	4	15
4+0200W	0.3	24450	1	11	127	4.4	5	2020	3.4	8	43	58800	2190	16	7650	532	3	200	64	510	57 4	27	1	1	41.2	116 1	1 1	11	5	46
4+0250W	0.2	25670	1	11	218	3.7	5	2950	4.2	7	29	58970	1970	16	6040	1365	2	70	47	680	45 3	29	1	1	33.0	140 1	1 1	9	4	5
4+0300W	0.2	24680	1	12	166	3.3	5	2870	3.2	7	27	56740	1930	16	7920	770	2	120	30	490	29 3	24	1	1	44.5	73 1	1 1	9	3	7
4+0350W	0.4	24160	1	10	108	3.7	5	2360	3.2	5	30	59030	1440	16	8930	293	2	40	26	590	33 3	24	1	1	50.6	67 1	1 1	8	3	6
4+0400W	0.1	18990	1	6	275	3.7	4	2380	2.9	6	26	50440	1990	13	7790	965	1	70	26	650	34 3	26	1	1	48.6	94 1	1 1	8	4	5
4+0450W	0.1	20040	1	7	266	2.7	3	2350	2.8	5	17	45580	1400	12	5500	963	2	110	20	420	24 1	23	1	1	31.9	87 1	1 1	7	2	4
4+0500W	0.2	15680	1	2	86	3.5	3	1800	2.8	5	38	37300	1410	15	6570	756	3	240	23	240	35 3	16	1	1	45.3	70 1	1 1	8	3	5
4+0550W	0.1	19780	1	5	302	2.3	3	2870	1.8	4	14	43380	1340	12	3690	1608	1	230	8	3030	27 1	28	1	1	13.1	97 1	1 1	7	3	4
4+0600W	0.3	26720	1	11	227	4.2	4	4280	3.7	7	28	54060	840	19	11290	1089	3	60	13	2620	51 2	38	1	1	37.9	75 1	1 1	11	4	12
4+0700W	0.1	25760	1	11	236	4.1	4	2540	3.3	7	20	48600	2270	16	6160	1356	4	450	13	750	48 3	31	1	1	23.6	74 1	1 1	10	4	7
4+0750W	0.2	15170	1	1	180	2.8	3	1360	2.6	4	14	41680	1510	10	5340	321	2	500	10	280	25 2	23	1	1	27.9	64 1	1 1	6	3	5
4+0800W	0.3	26460	1	11	341	2.9	3	2480	2.6	5	22	51430	2710	15	4630	492	21	190	17	920	26 1	34	1	1	21.4	84 1	1 1	8	3	6
4+0850W	0.3	18260	1	3	188	2.9	4	1350	2.1	5	17	51550	2070	13	6350	384	1	480	12	300	23 2	20	1	1	34.8	61 1	1 1	7	3	6
4+0900W	0.4	18880	1	2	182	2.9	3	1060	3.1	4	17	51100	1220	12	6110	361	1	200	11	130	27 2	18	1	1	36.4	65 1	1 1	7	2	5
4+0950W	0.3	28310	1	12	348	3.4	4	1360	2.6	5	20	52300	1710	16	4980	492	1	450	15	700	27 1	22	1	1	31.5	111 1	1 1	9	3	5
4+1000W	0.2	14200	1	1	154	2.6	3	1180	2.0	4	15	41820	910	10	4940	428	1	110	9	170	20 2	18	1	1	31.7	57 1	1 1	5	2	5
4+1050W	0.3	15960	1	1	169	2.8	3	1350	1.9	4	15	50840	1300	11	5490	267	1	290	9	150	24 2	18	1	1	36.5	72 1	1 1	6	2	4
4+1100W	0.3	19030	1	2	152	2.8	3	940	2.5	4	23	52250	1650	13	5630	337	1	550	11	290	22 2	15	1	1	39.6	70 1	1 1	7	2	5
4+1150W	0.3	20130	1	3	306	2.6	3	890	1.7	4	17	40450	1410	14	4370	394	1	630	10	990	21 1	14	1	1	22.7	109 1	1 1	6	3	6
4+1200W	0.2	25600	1	9	230	2.6	3	1550	2.2	5	19	50260	2540	13	3950	511	21	640	13	870	19 1	22	1	1	21.9	68 1	1 1	6	3	4
4+1250W	0.3	21090	1	6	255	2.7	3	1100	2.2	4	12	38590	1020	12	4390	340	2	140	12	460	22 1	19	1	1	20.4	99 1	1 1	6	2	6
4+1300W	0.4	31220	1	14	317	3.5	4	1690	2.4	6	21	53440	1870	15	4730	304	21	030	23	970	29 1	24	1	1	25.9	99 1	1 1	8	3	7
4+1350W	0.4	21280	1	6	337	2.1	3	1450	2.6	4	12	41400	1090	12	4020	381	1	200	12	430	23 1	24	1	1	19.1	94 1	1 1	7	3	6
4+1400W	0.4	25650	1	8	307	2.6	4	1770	1.9	4	22	49080	1360	13	3830	564	1	220	16	540	29 1	30	1	1	19.6	111 1	1 1	8	2	7
4+1450W	0.4	18850	1	2	214	2.4	3	1300	1.9	3	15	40380	1160	11	3640	247	1	150	10	300	21 1	19	1	1	16.5	72 1	1 1	6	2	6
4+1500W	0.3	16640	1	2	178	2.4	3	1080	1.5	3	13	42170	1100	10	3590	248	1	150	10	270	28 1	20	1	1	16.6	76 1	1 1	5	1	5

Table 5.1. Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
05+0050E	0.3	27340	1	9	358	2.7	4	1930	2.7	5	19	55650	1830	18	3960	874	3	140	18	640	27	1	25	1	1	20.5	104	1	1	1	7	4	9
05+0100E	0.2	24950	1	6	313	2.2	4	2710	1.6	4	16	55450	1450	16	4040	855	4	210	18	1000	31	1	31	1	1	22.9	107	1	1	1	7	3	6
05+0150E	0.1	24810	1	5	218	2.7	4	1700	2.3	5	18	53200	1260	15	4740	1177	4	100	13	950	25	1	23	1	1	28.0	80	1	1	1	7	4	7
05+0200E	0.2	26110	1	7	241	2.8	4	1820	1.7	5	22	56760	1330	15	5160	996	4	110	13	680	24	1	22	1	1	29.3	75	1	1	1	9	5	9
05+0250E	0.3	28680	1	9	295	3.0	4	1830	2.4	5	24	62740	1020	16	5150	1286	4	120	14	590	27	1	23	1	1	32.5	82	1	1	1	8	4	9
05+0300E	0.2	28650	1	9	295	3.2	5	1990	3.2	6	27	68410	1340	22	6740	757	5	150	12	2650	30	1	28	1	1	35.8	97	1	1	1	10	5	10
05+0350E	0.3	23620	1	5	183	2.9	4	2720	2.2	5	25	56840	1380	21	7030	484	4	90	15	260	26	2	27	1	1	36.6	70	1	1	1	7	4	32
05+0400E	0.3	29860	1	11	383	3.6	5	2540	3.1	7	29	68050	1350	24	9080	889	5	110	21	3140	41	1	40	1	1	40.7	179	1	1	1	12	5	18
05+0450E	0.3	28900	1	8	201	3.9	6	3250	4.1	8	42	66830	1240	22	12420	1178	6	70	22	390	66	2	36	1	1	53.8	137	1	1	1	11	7	29
05+0500E	0.3	31980	1	11	259	3.1	5	2060	3.0	7	31	71520	1180	20	9360	1101	4	130	17	1680	33	1	27	1	1	40.8	108	1	1	1	10	4	22
05+0550E	0.1	25450	1	5	310	3.3	5	2900	3.8	8	33	66110	1310	16	7430	2469	4	70	18	1170	41	2	32	1	1	38.6	122	1	1	1	10	4	17
05+0600E	0.3	33980	1	14	170	3.8	5	2150	2.6	12	45	69070	1610	19	5380	1190	7	110	26	650	43	3	35	1	1	29.3	124	1	1	1	12	7	11
05+0650E	0.3	24940	1	6	213	2.8	4	2620	2.6	6	31	49740	1840	16	3990	696	5	110	21	680	44	1	37	1	1	18.0	123	1	1	1	8	5	10
05+0700E	0.3	20440	1	7	322	1.4	3	3300	.7	4	16	50550	1640	19	2520	282	2	390	13	1750	19	1	46	1	1	14.7	208	1	1	1	4	3	6
05+0750E	0.5	23830	1	6	104	4.0	6	2940	4.5	8	33	80580	2550	15	5930	526	3	60	21	350	75	2	30	1	1	51.3	147	1	1	1	9	5	17
05+0800E	0.4	34720	22	14	135	5.3	8	2060	4.9	11	59	77820	2650	21	5180	1357	7	60	36	660	117	4	35	1	1	40.9	217	1	1	1	14	9	17
05+0850E	0.5	23990	1	6	168	3.6	5	2760	2.9	8	56	66210	2480	16	3890	469	4	130	23	820	84	2	37	1	1	25.3	132	1	1	1	8	5	10
05+0900E	0.4	17080	1	1	66	3.3	5	2970	2.5	8	45	51810	2210	14	4460	413	4	70	18	260	59	3	30	1	8	22.2	84	1	1	1	8	5	11
05+0950E	0.2	19360	1	3	229	3.0	5	3150	4.6	7	32	59500	2380	15	4700	1551	4	70	18	450	98	3	38	1	1	24.0	235	1	1	1	9	4	16
05+1000E	0.4	28110	1	11	314	2.9	5	4630	3.0	6	30	59820	2140	24	4340	340	4	200	24	2030	75	1	59	1	1	19.5	238	1	1	1	9	4	13
05+0050W	0.2	14290	1	1	113	2.1	3	1120	1.3	3	10	36540	1460	9	3790	516	1	70	11	90	23	1	19	1	1	15.9	48	1	1	1	5	2	5
05+0100W	0.5	32140	1	17	156	3.8	5	2190	2.7	7	31	62140	1870	16	5340	620	1	170	18	1520	43	1	26	1	1	31.6	100	1	1	1	10	2	7
05+0150W	0.5	29220	1	16	181	4.6	5	2120	3.7	8	45	62660	2260	19	6270	633	2	110	26	570	54	3	27	1	1	36.0	127	1	1	1	11	3	12
05+0200W	0.3	26880	1	12	180	4.5	4	1790	2.7	6	27	53180	1390	16	7850	763	3	70	19	1100	36	3	24	1	1	45.5	87	1	1	1	10	3	16
05+0250W	0.3	26420	1	10	160	3.5	4	1840	2.7	5	28	57530	1350	15	6690	554	2	120	13	1160	37	2	22	1	1	42.0	73	1	1	1	8	3	5
05+0300W	0.1	22460	1	7	247	3.2	3	3070	2.3	5	26	50620	1250	15	7170	1136	2	110	14	580	34	2	43	1	1	41.3	66	1	1	1	7	3	7
05+0350W	0.3	27960	1	13	200	3.7	5	2780	2.8	6	41	62400	1420	19	6740	1161	1	130	14	500	36	2	32	1	1	52.0	78	1	1	1	10	3	5
05+0400W	0.3	21990	1	6	203	4.7	6	1640	3.2	7	52	48320	1540	14	5920	687	2	60	12	500	45	4	22	1	1	76.1	64	1	1	1	10	4	4
05+0450W	0.5	26210	1	12	276	3.5	4	1770	3.0	6	27	66070	1330	16	5570	830	1	150	12	2570	182	2	17	1	1	35.4	97	1	1	1	10	4	7
05+0500W	0.2	25600	1	9	250	3.4	4	3280	2.7	6	33	64880	1470	16	5120	651	1	140	12	2260	72	1	39	1	1	33.3	86	1	1	1	10	3	4
05+0550W	0.4	23380	1	7	306	3.3	4	2150	2.9	6	23	57740	1380	15	5690	1595	2	80	12	1040	857	3	21	1	1	33.2	80	1	1	1	11	3	6
05+0600W	0.1	24670	1	7	243	3.4	5	1640	2.9	6	21	56550	1320	15	6110	854	2	110	15	1230	50	1	18	1	1	30.1	78	1	1	1	10	3	16
05+0650W	0.1	24870	1	9	290	3.0	3	1500	2.6	5	17	50000	1260	14	4680	420	2	130	18	500	30	2	20	1	1	22.7	97	1	1	1	9	4	7
05+0750W	0.1	27130	1	10	197	3.4	4	1500	2.1	5	18	53270	1190	15	4960	321	2	130	14	640	27	1	20	1	1	26.1	54	1	1	1	9	3	7
05+0800W	0.1	20110	1	4	593	3.0	4	2180	2.7	6	21	49400	1410	13	4930	2597	2	110	15	1340	38	2	40	1	1	25.2	95	1	1	1	8	3	7
05+0850W	0.3	29220	1	10	299	3.1	4	1000	2.7	6	26	63690	1010	16	4330	1185	1	170	17	590	24	1	14	1	1	28.8	90	1	1	1	10	3	3
05+0900W	0.1	29990	1	31	352	2.8	3	2090	2.6	5	18	54170	1220	15	4070	437	1	200	15	2090	25	1	19	1	1	23.9	88	1	1	1	9	3	4
05+0950W	0.1	19050	1	4	191	2.7	3	780	2.7	4	15	41670	900	14	4770	356	2	110	10	370	26	1	11	1	1	31.2	88	1	1	1	7	2	5
05+1000W	0.1	24030	1	7	375	2.3	3	1260	2.4	5	18	52680	860	13	3730	412	1	170	13	920	19	1	15	1	1	23.6	65	1	1	1	8	2	2
05+1050W	0.1	16640	1	1	165	2.1	3	900	2.0	3	12	43150	810	14	4450	255	1	110	10	160	19	1	11	1	1	24.3	64	1	1	1	6	2	5
05+1100W	0.1	18390	1	2	245	2.2	3	1480	2.1	3	12	41670	1010	13	3680	295	1	150	10	240	15	1	17	1	1	19.7	82	1	1	1	6	2	4
05+1200W	0.1	10890	1	1	44	2.5	2	770	2.3	4	16	30360	530	7	6690	214	2	50	8	210	25	2	10	1	1	35.8	28	1	1	1	6	2	4
05+1250W	0.1	20040	1	4	286	2.5	3	1830	2.1	4	13	47020	1150	14	4500	722	1	140	13	800	25	1	25	1	1	21.1	126	1	1	1	7	3	5
05+1300W	0.1	26550	1	9	257	2.2	4	1450	1.9	5	15	54460	1020	14	3610	400	1	150	19	290	25	1	20	1	1	19.3	82	1	1	1	7	2	4
05+1350W	0.4	28640	1	11	350	2.9	4	1870	2.8	5	25	57140	1220	14	4270	230	2	160	20	470	27	1	29	1	1	19.9	84	1	1	1	7	2	15
05+1400W	0.2	22100	1	6	268	2.8	3	1460	2.3	4	18	49400	1140	14	4250	367	2	120	15	720	31	2	17	1	1	21.1	109	1	1	1	7	3	8
05+1450W	0.2	24240	1	10	266	2.7	3	2200	2.4	5	19	55650	1450	14	4030	471	1	150	22	550	71	1	28	1	1	21.1	114	1	1	1	7	1	7
05+1500W	0.1	22170	1	8	237	2.1	3	1850	1.6	4	16	56550	950	12	3150	628	1	200	12	1110	19	1	20	1	1	18.7	68	1	1	1	6	2	3

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
06+0050E	0.3	25500	1	7	274	2.5	3	1890	2.0	5	22	52940	1210	16	3910	457	3	140	20	830	33	1	23	1	1	22.6	95	1	1	1	7	4	8
06+0100E	0.3	26130	1	8	317	2.4	4	1640	2.0	5	21	54360	1380	16	3650	757	4	150	16	990	37	1	22	1	1	19.7	93	1	1	1	8	5	7
06+0150E	0.4	29860	1	10	277	2.8	4	2090	2.6	5	23	53640	1520	18	4020	557	4	130	24	660	62	1	31	1	1	22.7	155	1	1	1	10	5	9
06+0200E	0.3	19820	1	3	233	2.2	3	1560	2.3	4	20	50440	1280	13	4590	796	3	100	12	890	35	1	21	1	1	26.3	79	1	1	1	7	3	7
06+0250E	0.2	27740	1	10	275	2.5	4	1930	2.4	5	26	65510	1280	15	4680	957	3	130	15	520	36	1	24	1	1	29.6	88	1	1	1	7	4	7
06+0300E	0.2	24680	1	7	344	2.9	5	1800	2.0	5	22	55310	1000	16	4080	1144	4	160	14	1690	34	1	25	1	1	27.4	75	1	1	1	8	5	7
06+0350E	0.4	32250	1	16	210	3.6	5	2510	3.5	7	42	68330	1640	26	6520	886	5	100	16	1210	45	2	31	1	1	39.1	108	1	1	1	12	5	17
06+0400E	0.2	26470	1	9	293	3.2	5	1730	4.3	7	30	65810	1160	20	7650	1166	5	90	19	1430	43	1	25	1	1	39.1	126	1	1	1	10	5	25
06+0450E	0.4	24140	1	9	169	3.8	5	2770	3.9	8	43	62280	1190	17	9880	1196	6	50	18	440	49	3	32	1	1	52.9	116	1	1	1	10	6	26
06+0500E	0.4	30720	1	13	235	3.3	5	2530	3.6	8	40	75060	1480	20	8100	1131	5	140	24	930	60	1	40	1	1	42.5	141	1	1	1	11	5	17
06+0550E	0.4	21930	1	4	173	3.4	5	1720	3.9	8	31	70850	830	17	8840	1102	4	60	16	780	43	2	26	1	1	46.2	111	1	1	1	9	4	17
06+0600E	0.2	25180	1	7	201	2.6	4	1600	2.6	7	27	58530	1350	16	4630	1161	4	120	22	530	38	1	28	1	1	23.5	114	1	1	1	8	4	10
06+0650E	0.2	26790	1	11	309	3.3	4	2790	3.1	9	34	79690	2500	18	5640	1961	4	130	24	710	49	2	41	1	1	37.9	148	1	1	1	10	6	14
06+0700E	0.6	24320	1	9	250	2.2	5	3510	2.5	6	25	75820	1830	17	4850	405	2	270	16	1590	40	1	52	1	1	30.5	164	1	1	1	8	4	11
06+0750E	0.2	19540	1	3	220	2.7	4	3130	2.7	6	24	50450	2140	11	3520	1562	3	110	18	340	66	2	38	1	1	18.7	120	1	1	1	8	4	9
06+0800E	0.1	28130	30	9	157	4.3	5	2190	3.6	21	60	55380	2370	16	4140	2925	7	60	25	1300	141	4	33	1	2	24.2	187	1	1	1	12	8	12
06+0850E	0.1	30270	35	12	264	4.5	5	3170	3.7	19	54	74030	2690	19	4880	3156	6	70	28	1350	126	5	40	1	2	28.4	222	1	1	1	12	8	13
06+0900E	0.2	25120	1	12	382	2.5	3	4940	2.1	7	31	64530	2790	25	3860	1975	4	200	20	1100	68	1	66	1	1	20.1	239	1	1	1	8	5	9
06+0950E	0.6	24170	1	8	244	1.9	4	3190	1.8	5	22	61730	2150	19	3660	340	2	270	19	890	44	1	44	1	1	19.7	181	1	1	1	7	4	9
06+1000E	0.5	28650	1	10	242	1.7	3	5350	1.8	5	26	65600	1570	17	2810	569	3	300	17	2050	52	1	73	1	1	16.6	181	1	1	1	8	4	6
06+0050W	0.2	24720	1	8	160	2.3	4	1870	1.9	5	16	61610	1310	15	4420	259	1	140	20	160	27	1	19	1	1	22.9	71	1	1	1	7	2	4
06+0100W	0.3	25090	1	9	186	4.1	5	2300	3.9	7	40	71430	1890	16	8630	433	2	90	17	620	36	4	19	1	1	64.1	74	1	1	1	11	4	8
06+0150W	0.2	26620	1	13	190	4.2	5	3300	3.4	8	36	67260	1880	21	7460	815	2	60	21	800	37	4	33	1	1	48.8	103	1	1	1	10	4	12
06+0200W	0.4	25660	1	10	100	4.1	5	1890	4.5	7	48	70540	1420	17	8800	417	2	70	17	640	41	3	17	1	1	64.1	76	1	1	1	9	3	6
06+0250W	0.1	24400	1	10	484	3.2	4	1960	2.9	6	23	68150	1330	17	5950	1811	1	140	15	1560	34	2	22	1	1	40.8	135	1	1	1	9	3	3
06+0300W	0.1	29920	1	14	250	3.0	4	2140	2.4	5	24	74700	1410	19	5870	709	1	190	14	1290	23	1	18	1	1	40.2	91	1	1	1	9	3	3
06+0350W	0.5	30090	1	15	193	3.7	4	2180	2.9	8	42	88080	1680	20	7930	293	2	160	14	810	46	3	22	1	1	70.4	83	1	1	1	10	3	3
06+0400W	0.1	21850	1	5	253	2.7	4	1960	3.0	5	17	56830	1480	15	5270	611	3	150	12	1130	36	2	24	1	1	26.8	81	1	1	1	7	3	5
06+0450W	0.1	26160	1	10	205	3.4	5	2410	3.2	7	46	79020	1550	18	7380	788	2	100	13	410	41	3	28	1	1	60.2	77	1	1	1	9	3	3
06+0500W	0.1	28130	1	14	612	2.7	3	2930	2.6	7	21	71450	1830	18	5060	2179	2	170	12	2130	47	1	46	1	1	24.2	73	1	1	1	8	3	4
06+0550W	0.2	28230	1	12	351	3.4	4	2720	3.2	6	20	63400	1920	17	5890	985	2	170	16	1580	38	2	27	1	1	26.9	81	1	1	1	9	2	7
06+0600W	0.2	25650	1	10	296	2.9	4	2000	3.1	5	17	55440	1540	16	5250	860	2	190	13	1410	42	2	26	1	1	23.7	95	1	1	1	8	2	10
06+0650W	0.1	22420	1	6	305	2.3	3	1230	2.7	5	12	49250	1360	17	4680	1264	2	160	15	580	27	1	18	1	1	22.2	85	1	1	1	6	2	3
06+0700W	0.2	25560	1	9	218	2.9	4	1540	3.1	5	17	54190	1070	16	4850	332	2	180	16	450	21	2	20	1	1	26.5	58	1	1	1	8	2	3
06+0750W	0.1	25370	1	10	257	3.5	4	1300	3.7	7	23	58790	1390	17	5930	843	3	110	16	1430	33	3	20	1	1	31.2	72	1	1	1	9	4	5
06+0800W	0.2	25320	1	10	220	2.2	3	1660	2.8	6	13	61150	1070	19	4160	769	1	230	17	880	18	1	22	1	1	26.9	112	1	1	1	7	1	2
06+0850W	0.1	23840	1	8	358	2.1	3	2220	2.1	5	15	56140	1390	16	4130	1312	1	210	14	1570	18	1	32	1	1	24.1	93	1	1	1	7	2	3
06+0900W	0.1	21410	1	5	226	1.7	3	1500	2.1	4	11	52280	1070	17	3590	531	1	210	11	360	14	1	22	1	1	22.2	84	1	1	1	6	1	4
06+0950W	0.1	30730	1	14	353	2.9	3	1620	2.6	6	23	66660	1330	16	4230	1309	2	220	16	580	24	1	22	1	1	31.1	94	1	1	1	8	2	2
06+1000W	0.2	25720	1	8	289	2.6	2	1160	2.5	5	23	50530	1190	17	4470	366	2	200	16	400	24	1	18	1	1	28.2	74	1	1	1	8	2	7
06+1050W	0.2	27210	1	10	203	2.5	3	1420	1.6	5	18	52900	1100	14	4300	555	2	200	14	710	21	1	21	1	1	20.8	60	1	1	1	8	3	3
06+1100W	0.2	18760	1	3	131	2.4	3	1250	2.2	4	14	42430	980	17	5580	196	2	110	10	470	22	2	14	1	1	29.0	48	1	1	1	6	2	5
06+1150W	0.2	29470	1	11	288	2.8	4	1790	3.0	5	17	58060	1450	17	5070	549	2	220	12	360	26	2	22	1	1	29.6	82	1	1	1	9	2	3
06+1200W	0.2	25790	1	8	245	3.0	4	1470	2.6	6	20	50210	1180	14	4650	217	3	160	12	500	25	2	20	1	1	24.5	61	1	1	1	8	2	4
06+1250W	0.1	26970	1	10	223	2.5	3	1430	2.1	5	19	51610	1370	13	3770	641	3	180	16	720	24	1	22	1	1	18.9	71	1	1	1	8	3	2
06+1300W	0.3	28890	1	11	300	2.9	4	1420	2.2	5	19	52480	1490	16	3870	326	3	160	23	470	25	2	24	1	1	19.6	119	1	1	1	9	2	6
06+1350W	0.3	25790	1	8	187	2.6	4	1960	2.7	5	19	60510	1340	16	4310	436	1	170	23	1060	28	2	24	1	1	25.3	86	1	1	1	8	2	8
06+1400W	0.4	28770	1	10	190	2.8	4	1560	2.5	5	26	58470	1210	14	4460	276	2	180	21	940	31	2	20	1	1	24.9	82	1	1	1	9	4	5
06+1450W	0.2	18370	1	1	172	2.5	3	2270	2.1	5	23	56160	1140	11	3890	315	1	120	12	1090	24	2	28	1	1	27.2	56	1	1	1	6	2	4
06+1500W	0.5	26620	1	9	218	1.9	3	2030	1.6	5	22	73830	1120	16	3560	171	1	270	15	830	17	1	20	1	1	25.3	79	1	1	1	6	1	2

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
07+0050E	0.3	35060	1	15	206	4.0	5	1660	3.1	7	32	79840	1740	22	7400	981	5	70	18	680	46	1	24	1	1	40.6	103	1	1	1	12	6	12
07+0100E	0.3	36290	1	20	252	3.8	5	1710	3.3	7	29	79290	1660	22	5950	1169	4	90	17	660	43	1	27	1	1	33.8	113	1	1	1	11	5	7
07+0150E	0.3	32840	1	11	205	3.4	5	2070	3.1	7	30	73260	1770	26	5440	907	4	130	23	480	41	1	31	1	1	29.7	143	1	1	1	11	6	10
07+0200E	0.5	38130	1	19	137	3.3	5	1560	2.7	6	48	77410	1940	21	4500	565	5	200	21	560	39	1	29	1	1	26.8	92	1	1	1	10	6	5
07+0250E	0.2	29880	1	12	329	2.7	4	2170	2.0	5	27	66840	1440	17	3980	657	3	230	16	340	34	1	29	1	1	27.6	100	1	1	1	9	6	7
07+0300E	0.4	35870	1	15	295	2.7	4	1680	2.2	5	37	70580	1110	18	4160	481	3	210	14	930	30	1	27	1	1	27.9	90	1	1	1	10	5	5
07+0350E	0.3	29810	1	11	252	2.9	4	1380	1.6	6	28	64370	1200	18	4700	824	3	150	12	1330	37	1	21	1	1	27.6	87	1	1	1	9	5	7
07+0400E	0.3	30400	1	13	197	3.0	4	1050	2.1	5	29	59760	1010	17	5150	466	5	110	13	810	29	1	18	1	1	33.1	85	1	1	1	10	5	9
07+0450E	0.2	28540	1	10	229	3.4	4	1590	2.9	6	32	61200	950	18	6390	528	4	120	18	880	40	1	22	1	1	36.3	90	1	1	1	9	7	26
07+0500E	0.1	19380	1	2	122	3.0	4	2210	2.4	8	26	54060	1080	14	5390	1406	3	60	15	780	38	2	28	1	1	31.8	103	1	1	1	8	5	14
07+0550E	0.3	24630	3	8	142	3.5	5	2040	2.7	8	38	61040	1510	15	5210	786	5	90	19	680	90	2	35	1	1	27.6	111	1	1	1	10	5	11
07+0600E	0.4	20260	1	3	92	2.7	5	1980	2.3	6	33	65710	1120	15	8930	206	3	100	17	170	31	2	27	1	1	40.6	80	1	1	1	8	4	14
07+0650E	0.2	19670	1	3	81	3.0	4	1750	2.3	7	34	55050	1830	13	5580	354	3	60	14	420	40	1	26	1	1	27.0	74	1	1	1	8	4	12
07+0700E	0.1	21410	1	5	249	2.9	4	1470	1.8	6	21	53910	1380	14	5000	1316	4	80	17	900	45	2	27	1	1	26.1	120	1	1	1	8	4	10
07+0750E	0.3	30480	1	12	195	1.4	4	2970	.9	4	20	66640	900	15	2390	528	2	450	16	2270	33	1	42	1	1	15.4	117	1	1	1	7	4	1
07+0800E	0.2	29940	12	13	159	3.9	5	2100	2.7	11	50	61340	1930	17	4680	1178	6	60	26	490	69	3	30	1	1	26.5	150	1	1	1	11	8	10
07+0850E	0.1	28070	4	9	326	4.0	6	4830	4.6	14	54	75240	2630	19	4970	3070	4	100	26	1090	101	4	56	1	1	29.9	198	1	1	1	10	5	13
07+0900E	0.3	22950	1	7	170	3.3	6	3470	3.1	9	33	63880	2450	16	4700	1456	4	50	19	700	57	3	38	1	1	27.3	132	1	1	1	9	6	11
07+0950E	0.3	25200	1	10	325	3.3	5	2910	2.7	7	32	64260	2670	22	4620	738	4	130	23	1580	55	2	46	1	1	23.5	212	1	1	1	9	6	14
07+1000E	0.1	21090	1	6	333	2.3	4	3660	1.8	6	21	52540	2210	21	3340	874	3	190	17	1390	40	1	48	1	1	17.8	236	1	1	1	7	4	10
07+0150W	0.2	37480	1	18	251	3.5	4	1890	3.0	6	33	79530	1670	27	5680	840	2	220	16	1590	27	1	17	1	1	38.5	114	1	1	1	12	3	6
07+0200W	0.1	20240	1	3	134	3.4	4	1740	2.2	5	28	53720	1030	19	6700	359	2	80	11	370	29	3	17	1	1	42.1	64	1	1	1	8	2	6
07+0250W	0.2	15680	1	1	68	2.7	2	1460	2.3	4	22	49780	990	14	6940	273	2	50	9	210	33	3	14	1	1	37.9	46	1	1	1	6	2	4
07+0300W	0.2	24880	1	8	275	2.8	3	2680	3.2	5	22	59230	1430	17	5450	938	2	140	11	1380	30	2	23	1	1	38.5	97	1	1	1	9	3	3
07+0350W	0.1	25370	1	14	273	3.3	4	2840	1.6	5	23	61840	1510	17	5300	935	2	250	13	1530	29	2	26	1	1	37.7	103	1	1	1	7	2	2
07+0400W	0.1	21640	1	12	295	3.0	4	1550	1.8	5	22	58580	1410	12	4670	1358	1	300	9	2350	37	2	21	1	1	31.2	79	1	1	1	8	2	4
07+0450W	0.2	29930	1	18	373	2.6	3	1950	2.6	5	24	68360	1560	16	5400	1076	2	340	13	1300	37	1	27	1	1	26.0	84	1	1	1	8	2	5
07+0500W	0.4	31350	1	18	305	3.0	5	1540	2.2	6	21	66650	1550	19	4850	827	1	350	15	2070	40	2	19	1	1	25.1	82	1	1	1	8	1	4
07+0550W	0.1	31070	1	18	361	3.4	5	1880	3.3	7	27	69270	1560	16	4910	1854	2	290	17	1220	37	2	24	1	1	26.4	101	1	1	1	9	2	6
07+0600W	0.1	27070	1	15	320	3.6	4	1780	2.1	6	19	60490	1640	17	5320	1194	3	230	14	2130	41	3	23	1	1	24.3	84	1	1	1	9	3	9
07+0650W	0.3	31760	1	15	222	3.5	5	1860	2.3	7	27	71090	1360	16	5750	740	2	280	26	1200	39	3	26	1	1	36.5	85	1	1	1	9	4	29
07+0700W	0.4	28760	1	15	303	2.3	4	2230	2.2	5	19	60810	1240	16	3600	639	1	380	21	780	26	1	29	1	1	20.9	107	1	1	1	7	1	3
07+0750W	0.7	32190	1	16	308	3.4	4	1730	2.4	6	30	56090	1590	14	4460	291	2	180	24	740	29	2	24	1	1	26.4	90	1	1	1	9	1	5
07+0800W	0.4	31130	1	15	287	2.6	4	1260	2.7	5	19	63570	1130	16	3480	757	1	230	19	1610	22	1	19	1	1	22.5	117	1	1	1	8	3	3
07+0850W	0.1	28470	1	14	427	2.2	3	1990	2.4	6	21	64330	1160	15	3100	2414	1	390	14	810	18	1	29	1	1	22.0	96	1	1	1	6	3	2
07+0900W	0.4	29460	1	12	232	2.8	4	1250	1.8	5	27	59320	1210	15	4720	543	2	300	15	540	23	2	18	1	1	29.3	67	1	1	1	9	2	3
07+0950W	0.6	36850	1	17	295	3.0	4	1870	3.0	6	31	70660	1290	17	5040	555	2	460	17	580	23	1	28	1	1	32.9	82	1	1	1	8	2	2
07+1000W	0.6	36290	1	19	457	3.5	5	1540	2.0	7	33	67170	1610	17	5360	221	1	220	16	410	30	2	26	1	1	31.2	98	1	1	1	10	2	4
07+1050W	0.1	19070	1	3	385	2.8	2	1360	2.4	5	17	44450	1060	13	6480	1311	2	160	11	1150	25	2	23	1	1	38.6	97	1	1	1	8	3	4
07+1100W	0.6	33060	1	15	199	2.5	4	1680	2.0	6	25	65930	1110	16	5030	229	1	510	12	760	21	2	22	1	1	31.4	61	1	1	1	9	2	1
07+1150W	0.3	33330	1	17	219	3.5	5	1420	2.9	6	28	64360	1340	18	6630	672	2	380	16	1160	26	3	19	1	1	44.8	86	1	1	1	9	3	5
07+1200W	0.4	29420	1	12	224	2.8	5	1810	2.6	6	30	67860	1320	16	5580	579	1	320	12	850	23	1	23	1	1	37.0	77	1	1	1	8	2	3
07+1250W	0.4	28260	1	13	354	2.1	3	1990	2.3	6	18	63920	1310	16	3110	1305	1	430	14	1900	22	1	25	1	1	20.4	97	1	1	1	7	2	3
07+1300W	0.8	30320	1	12	214	2.8	5	1570	1.8	6	39	73940	1100	15	4690	321	1	200	18	480	25	1	19	1	1	30.3	81	1	1	1	9	2	3
07+1350W	0.3	24220	1	7	237	3.1	3	1340	2.1	5	32	46860	1450	11	4040	212	2	130	16	240	28	2	29	1	1	20.8	63	1	1	1	8	3	7
07+1400W	0.3	19030	1	2	157	3.0	4	1190	2.1	6	31	51250	1070	9	4600	345	1	230	15	350	32	2	16	1	1	28.5	50	1	1	1	7	2	6
07+1450W	0.6	23750	1	6	256	2.3	5	2370	1.3	5	27	68060	1230	13	3920	395	1	340	18	350	17	1	26	1	1	26.4	72	1	1	1	7	1	4
07+1500W	0.6	30650	1	15	207	2.8	4	1920	1.7	6	29	70050	1130	17	4670	401	1	330	20	970	25	1	19	1	1	31.1	78	1	1	1	9	2	5

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
8+0050E	0.2	32540	1	13	220	3.4	5	1130	2.4	6	31	72510	1230	19	5750	861	4	100	15	460	35	1	19	1	1	41.0	89	1	1	1	10	7	7
8+0100E	0.3	33080	1	13	270	3.2	5	1330	2.5	6	26	65060	1110	20	6260	635	4	110	17	510	39	1	21	1	1	35.9	88	1	1	1	11	6	10
8+0150E	0.3	31070	1	11	245	3.1	4	1050	2.2	6	25	59730	1130	19	4350	601	5	120	17	370	40	1	20	1	1	27.1	106	1	1	1	10	5	8
8+0200E	0.2	30280	1	11	232	2.5	4	1260	1.6	5	23	60470	1160	17	3750	583	5	180	16	500	27	1	21	1	1	21.5	108	1	1	1	8	6	4
8+0250E	0.3	34040	1	14	240	2.7	4	1680	2.0	5	24	59780	1330	18	3610	300	4	190	14	720	28	1	26	1	1	22.2	96	1	1	1	9	6	5
8+0300E	0.3	32480	1	11	290	2.7	4	1720	3.1	6	24	62670	1300	18	4140	635	3	180	13	1020	30	1	23	1	1	28.1	102	1	1	1	9	5	6
8+0350E	0.3	25450	1	6	258	2.8	4	1410	2.3	5	30	56980	1330	23	4940	489	3	120	14	780	35	1	19	1	1	28.8	93	1	1	1	8	5	8
8+0400E	0.3	40110	15	20	167	4.5	7	2150	3.4	12	80	73440	1980	34	6910	1201	8	80	19	730	77	2	29	1	1	45.4	108	1	1	1	13	8	16
8+0450E	0.1	20480	1	2	329	1.8	4	1600	1.7	4	18	62000	1070	18	3530	1931	1	200	10	1480	24	1	26	1	1	22.0	157	1	1	1	6	4	9
8+0500E	0.6	26070	1	8	277	2.8	5	1710	3.0	5	25	61650	1040	19	4800	494	3	170	17	2200	29	1	26	1	1	31.8	226	1	1	1	9	5	11
8+0550E	0.4	31230	1	13	316	2.8	4	2380	2.9	7	29	72870	1450	20	4250	923	4	210	27	2580	39	1	34	1	1	27.2	219	1	1	1	9	6	9
8+0600E	0.4	26840	1	9	241	2.2	5	2570	2.1	6	23	70060	1320	20	3550	299	3	360	23	1670	20	1	33	1	1	24.5	179	1	1	1	7	4	6
8+0650E	0.6	37810	7	18	240	3.9	6	2340	3.3	10	52	81090	1920	26	5170	940	6	160	40	780	49	1	38	1	1	35.4	171	1	1	1	12	7	15
8+0700E	0.5	30450	1	11	264	2.5	4	3090	2.1	5	23	74330	1540	21	4060	383	1	340	21	1450	24	1	35	1	1	23.6	170	1	1	1	8	5	7
8+0750E	0.4	23700	1	9	271	2.3	5	2450	2.9	6	27	60630	1620	15	4870	705	3	140	18	700	45	1	32	1	1	28.3	143	1	1	1	7	5	11
8+0800E	0.2	17480	1	2	224	1.9	4	1680	1.2	4	19	50190	1090	13	4220	403	2	120	12	440	23	1	23	1	1	23.8	92	1	1	1	6	4	7
8+0850E	0.1	16310	1	1	171	2.1	4	1590	2.2	4	15	41420	1250	12	3660	527	2	90	14	250	22	1	20	1	1	20.6	77	1	1	1	6	3	8
8+0900E	0.3	24710	1	8	201	3.0	5	1570	2.7	8	32	56480	1450	14	4430	806	4	60	18	360	44	2	25	1	1	24.6	109	1	1	1	8	5	9
8+0950E	0.2	23290	1	7	170	3.4	5	2620	2.7	8	40	53850	1770	14	4230	1298	3	50	19	490	45	2	31	1	1	24.6	116	1	1	1	8	6	10
8+1000E	0.3	22910	1	7	182	2.4	5	2300	3.0	6	24	56550	1760	14	3480	838	2	100	15	780	38	1	29	1	1	18.9	120	1	1	1	8	4	7
8+1050E	0.2	19990	1	4	269	2.2	3	2320	2.8	5	14	53190	1850	15	3010	961	2	170	17	1220	30	1	31	1	1	17.0	184	1	1	1	6	4	7

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
9+0050E	0.3	25510	1	7	216	1.5	4	1200	1.1	4	16	65940	950	15	2810	608	2	190	11	480	17	1	18	1	1	19.6	79	1	1	1	7	4	3
9+0100E	0.4	32760	1	15	192	2.9	4	1050	2.5	5	22	68210	960	18	3700	676	4	130	15	1330	31	1	18	1	1	23.8	107	1	1	1	9	5	5
9+0150E	0.1	24200	1	7	151	2.9	5	1770	3.5	6	30	52680	1190	23	4570	1837	5	100	13	720	48	2	21	1	1	27.6	117	1	1	1	8	5	10
9+0200E	0.3	17730	1	3	99	2.5	3	1310	2.1	4	29	44520	1160	22	4620	540	4	120	13	270	29	2	18	1	1	27.3	72	1	1	1	7	4	11
9+0250E	0.4	30860	1	13	230	2.5	4	1010	2.2	5	22	69330	870	19	3080	846	3	200	14	750	21	1	17	1	1	24.7	112	1	1	1	9	4	5
9+0300E	0.4	21450	1	5	155	2.2	4	1350	2.1	5	18	58980	780	14	3080	485	2	150	9	850	29	1	17	1	1	26.8	83	1	1	1	7	4	5
9+0350E	0.5	28650	1	13	244	2.6	4	1520	2.5	5	21	60340	870	15	4150	160	3	150	12	1500	26	1	18	1	1	26.9	115	1	1	1	8	5	7
9+0400E	0.5	28540	1	13	293	2.5	4	1770	3.7	5	20	71160	1010	17	4020	945	3	170	13	1490	32	1	21	1	1	26.6	136	1	1	1	8	4	8
9+0450E	0.6	33350	1	15	268	3.6	6	2210	3.0	8	31	65950	1300	22	4470	291	5	130	29	1750	48	1	26	1	1	27.9	231	1	1	1	10	5	10
9+0500E	0.4	27030	1	10	320	3.6	5	2460	3.1	7	32	72370	1820	19	3850	1024	4	250	19	1770	117	3	36	1	1	31.3	202	1	1	1	9	6	10
9+0550E	0.1	21030	1	7	374	2.1	4	3630	2.6	6	21	62110	2030	17	3990	3027	2	160	19	590	40	2	49	1	1	25.1	178	1	1	1	7	4	9
9+0600E	0.7	27140	1	10	338	2.4	5	4960	3.2	7	33	75020	1900	23	3130	700	1	440	18	2680	43	1	72	1	1	19.3	225	1	1	1	7	5	6
9+0700E	0.5	30270	6	15	380	3.7	5	2600	3.5	9	37	64670	2130	19	4400	982	5	120	20	370	93	2	48	1	1	23.6	195	1	1	1	10	6	9
9+0750E	0.5	27840	9	12	216	3.6	4	2580	3.5	8	42	61320	1820	15	4230	544	4	110	21	2601	0B	2	44	1	1	23.8	204	1	1	1	9	5	8
9+0800E	0.1	21550	1	5	258	2.1	4	1750	3.1	4	16	50800	1700	14	4150	814	2	150	19	330	26	1	24	1	1	20.8	154	1	1	1	8	3	9
9+0850E	0.1	27800	1	9	180	3.3	5	1960	1.7	7	30	54370	1680	15	4590	1002	5	70	17	280	51	2	27	1	1	25.3	105	1	1	1	9	4	10
9+0900E	0.1	25310	1	9	208	3.5	4	2900	4.4	12	51	68450	1440	15	4400	1902	4	90	23	800	63	2	33	1	1	27.4	159	1	1	1	10	4	8
9+0950E	0.1	18450	1	3	198	2.0	4	2250	2.1	5	18	51580	1480	15	3060	552	2	200	16	790	27	1	29	1	1	17.3	149	1	1	1	6	2	5
9+1000E	0.1	12750	1	1	102	1.6	4	1760	1.9	4	15	41450	1110	11	4040	221	2	70	10	160	23	1	18	1	1	21.8	70	1	1	1	5	2	8
9+0050W	0.2	20050	1	3	106	3.0	4	1420	2.2	4	24	44150	850	29	7320	334	2	220	13	230	25	2	16	1	1	39.3	60	1	1	1	7	2	10
9+0100W	0.5	29690	1	13	141	3.2	4	1840	2.6	5	27	55990	930	23	5400	160	3	240	15	440	28	2	14	1	1	44.9	89	1	1	1	8	2	7
9+0150W	0.5	25620	1	8	152	3.4	4	1080	2.2	6	24	48520	930	15	5540	418	2	240	16	530	27	2	13	1	1	41.0	80	1	1	1	9	2	7
9+0200W	0.3	12320	1	1	99	1.8	2	770	1.3	3	13	36910	830	8	2320	331	1	240	9	750	13	1	5	1	1	24.2	53	1	1	1	5	1	4
9+0250W	0.1	24940	1	7	369	2.9	4	1170	2.6	5	19	44580	1140	15	3780	783	3	240	13	3380	28	2	13	1	1	19.6	60	1	1	1	8	3	8
9+0300W	0.5	35210	1	17	191	2.8	3	1160	2.1	5	37	60810	1100	14	3320	695	1	330	13	1240	21	1	13	1	1	22.5	79	1	1	1	8	2	6
9+0350W	0.4	31600	1	15	358	1.7	3	2120	1.7	6	15	70810	1130	18	2420	939	1	390	14	3600	15	1	19	1	1	18.3	113	1	1	1	6	2	1
9+0400W	0.5	19340	1	5	172	3.7	4	980	2.4	5	23	34410	1240	12	5370	289	4	190	16	390	35	3	17	1	1	27.3	55	1	1	1	9	3	11
9+0450W	0.3	34360	1	15	358	3.3	4	1950	2.4	6	22	58880	1270	18	4330	1412	4	280	20	3130	33	3	17	1	1	24.7	92	1	1	1	10	3	9
9+0500W	0.3	27270	1	11	282	3.4	3	1830	2.1	5	21	39410	1210	15	4460	585	4	250	20	1240	28	2	24	1	1	24.6	89	1	1	1	9	3	11
9+0550W	0.1	26290	1	11	232	2.6	3	1340	2.3	5	16	53650	1110	14	3240	1394	2	280	19	1110	24	1	19	1	1	21.6	118	1	1	1	8	2	4
9+0600W	0.5	45100	1	27	588	4.9	6	1910	3.9	9	40	73130	1890	28	5490	1195	4	330	43	3230	47	4	25	1	1	33.6	210	1	1	1	13	3	14
9+0650W	0.3	24880	1	8	257	2.7	4	1930	1.9	6	21	53260	1170	15	4590	877	2	300	19	730	29	2	24	1	1	30.9	87	1	1	1	8	2	10
9+0700W	0.2	36190	1	18	377	2.8	4	2310	2.2	6	19	67760	1230	21	4020	1390	2	410	21	660	26	1	24	1	1	31.3	126	1	1	1	8	3	8
9+0750W	0.2	40470	1	22	288	3.3	4	1500	1.8	7	22	68690	1280	25	3660	1265	3	360	27	920	24	1	15	1	1	31.4	138	1	1	1	10	3	5
9+0800W	0.4	29520	1	13	414	2.8	4	2540	1.7	6	17	70850	1340	20	4320	880	1	350	17	1710	25	1	26	1	1	29.6	122	1	1	1	8	2	6
9+0850W	0.4	31900	1	13	267	4.0	5	1380	2.8	7	21	61650	1240	21	7280	878	4	270	19	830	37	3	19	1	1	46.5	96	1	1	1	11	3	7
9+0900W	0.4	31630	1	12	242	3.3	5	1470	2.5	6	19	64100	1030	20	5540	1082	2	270	14	850	36	2	18	1	1	38.7	88	1	1	1	10	2	3
9+0950W	0.6	44130	1	23	250	3.8	5	1750	2.4	7	38	72780	1440	20	5140	313	4	350	20	840	28	2	23	1	1	43.9	113	1	1	1	11	3	7
9+1000W	0.4	31440	1	13	292	2.9	4	1370	2.4	6	18	61890	1060	21	4500	544	2	320	16	1600	22	2	17	1	1	30.9	102	1	1	1	80	30	40
9+1050W	0.6	24080	9	6	112	4.8	6	1130	3.9	7	22	54350	770	15	14500	465	5	220	16	480	38	6	20	1	1	100.7	69	1	1	1	13	5	7
9+1100W	0.7	29560	5	10	144	4.9	7	1940	3.5	7	42	64030	990	18	12850	428	4	150	18	500	50	5	32	1	1	95.2	67	1	1	1	13	4	7
9+1150W	0.5	33770	1	14	283	3.0	4	1690	1.0	6	20	61800	860	17	4380	639	2	220	15	2320	20	2	16	1	1	29.1	77	1	1	1	10	2	6
9+1200W	0.2	32070	1	15	238	2.6	4	1940	1.8	5	15	56460	1150	15	3720	396	1	330	17	2560	25	1	15	1	1	21.8	67	1	1	1	9	2	7
9+1250W	0.2	34950	1	17	226	2.7	4	1890	1.5	5	18	67310	1220	16	4190	352	2	400	17	730	19	1	20	1	1	24.5	67	1	1	1	9	2	4
9+1300W	0.1	28880	1	11	222	2.3	3	1870	1.4	5	17	57670	990	13	3630	233	1	320	15	900	20	1	18	1	1	23.6	63	1	1	1	8	2	4
9+1350W	0.2	31350	1	13	352	2.1	4	2680	1.4	5	26	70080	1430	20	3360	1066	1	470	22	1210	15	1	27	1	1	23.9	98	1	1	1	7	2	6
9+1400W	0.1	22580	1	4	278	2.4	4	2240	2.2	5	17	54200	1340	13	3770	1188	1	290	14	1820	24	1	24	1	1	21.9	77	1	1	1	7	2	7
9+1450W	0.5	34640	1	17	236	2.3	4	2220	2.9	5	22	72460	1470	16	3520	443	1	500	18	1260	41	1	27	1	1	19.1	143	1	1	1	8	1	4
9+1500W	0.1	32340	1	13	323	2.8	4	2070	1.6	5	18	56700	1350	17	3790	588	2	260	18	1070	25	1	24	1	1	19.5	83	1	1	1	8	3	7

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
10+0050E	0.3	38840	1	18	204	2.6	5	1670	3.0	6	30	78810	920	20	4590	490	4	220	15	510	26	1	25	1	1	37.5	84	1	1	1	10	3	8
10+0100E	0.2	35820	1	15	215	2.6	4	1860	1.5	5	17	69350	1000	19	3710	822	3	230	14	2400	14	1	22	1	1	29.2	111	1	1	1	10	4	4
10+0150E	0.1	13890	1	1	159	1.7	3	1240	1.2	3	10	32340	1290	11	3500	1024	3	80	5	170	22	1	16	1	1	21.7	77	1	1	1	5	2	8
10+0200E	0.1	25720	1	7	146	2.5	3	1500	2.5	4	16	52530	1000	17	4490	406	4	140	14	990	25	1	21	1	1	22.8	97	1	1	1	8	4	6
10+0250E	0.1	27250	1	8	204	2.3	5	1290	2.1	5	20	59440	1300	15	3970	1074	4	190	15	1010	32	1	17	1	1	25.2	120	1	1	1	8	4	5
10+0300E	0.1	21560	1	6	218	3.2	6	2580	4.0	6	19	72130	1210	21	4500	1768	3	110	13	2050	70	2	26	1	1	30.6	121	1	1	1	9	4	8
10+0350E	0.1	21620	1	4	98	3.5	5	1110	3.6	6	24	56930	1240	18	4760	868	3	100	21	500	41	3	21	1	1	28.5	83	1	1	1	9	4	14
10+0400E	0.1	28400	1	11	284	3.1	5	1560	2.5	6	34	70400	1330	19	5040	908	3	160	11	930	35	1	23	1	1	35.1	97	1	1	1	9	5	7
10+0450E	0.1	29440	1	12	239	3.1	4	1130	2.6	5	25	62720	1180	25	4230	476	4	120	15	1010	34	1	19	1	1	31.4	99	1	1	1	9	4	9
10+0500E	0.4	35380	1	11	296	3.6	7	2540	4.0	7	32	84110	1500	22	5340	1315	1	150	14	1110	35	2	14	1	1	33.4	92	1	1	1	8	2	9
10+0550E	0.2	31500	1	4	246	3.0	4	1510	3.5	6	31	72460	1090	20	4130	987	2	140	13	1150	34	2	8	1	1	27.4	89	1	1	1	8	2	7
10+0600E	0.2	25930	1	1	342	2.4	5	2040	2.5	5	20	62970	1200	17	3700	754	1	160	14	1500	27	1	19	1	1	22.6	90	1	1	1	5	2	5
10+0650E	0.2	27900	1	2	204	3.5	6	1690	3.3	10	31	71050	1060	18	4380	800	2	120	21	590	43	2	18	1	1	29.9	151	1	1	1	7	2	7
10+0700E	0.4	25580	1	1	98	3.8	5	1040	3.0	8	32	61020	990	15	4570	394	3	80	18	520	38	3	10	1	1	27.8	105	1	1	1	9	2	8
10+0750E	0.1	28110	1	1	202	3.9	6	2180	3.5	11	42	60170	1270	19	4600	1425	3	90	27	580	58	3	24	1	2	27.7	143	1	1	1	9	3	9
10+0800E	0.1	29590	1	3	206	4.3	6	1190	5.0	12	41	61550	1410	17	4030	1960	4	80	22	730	60	4	13	1	2	25.6	125	1	1	1	11	3	8
10+0850E	0.1	26680	9	6	354	4.6	7	2070	4.9	14	40	70700	2010	19	3920	4002	3	110	24	1050	84	4	28	1	6	25.6	205	1	1	1	10	4	9
10+0900E	0.1	19860	1	12	628	3.1	5	5420	4.5	6	28	55810	2710	22	3300	2125	2	220	12	2570	72	1	69	1	1	18.5	431	1	1	1	7	4	8
10+0950E	0.1	32910	1	10	318	4.2	6	4350	4.2	9	38	63730	2620	21	3550	2051	3	150	29	1250	84	3	55	1	1	18.2	249	1	1	1	10	2	11
10+1000E	0.1	29130	1	16	230	4.0	6	1710	3.7	9	40	63370	2330	15	3410	1471	3	70	20	380	58	3	18	1	1	19.5	139	1	1	1	8	3	7
10+1050E	0.2	24790	4	13	163	4.8	6	4470	3.7	17	80	58970	2020	18	4430	1601	4	70	41	630	68	3	34	1	20	24.8	206	1	1	1	9	4	11
10+1150E	0.2	22000	1	10	292	1.9	4	3980	2.2	5	19	58220	1610	21	3240	761	1	280	22	1590	27	1	41	1	1	17.0	173	1	1	1	5	1	4
10+1200E	0.1	18640	1	5	238	1.5	1	3070	2.2	4	13	48220	1330	17	2700	591	1	230	15	900	18	1	33	1	1	15.9	145	1	1	1	5	1	3
10+1250E	0.1	17610	1	3	403	1.9	2	3380	2.4	5	15	50840	1230	16	3110	2272	1	170	13	1050	27	1	36	1	1	19.9	145	1	1	1	5	1	4
10+1300E	0.1	18980	1	29	327	1.4	2	3610	1.7	4	13	52260	1250	15	2530	929	1	300	11	700	16	1	42	1	1	16.3	197	1	1	1	4	1	2
10+1350E	0.2	26610	1	10	191	2.3	4	3330	1.7	6	21	65220	1350	15	3510	413	1	250	16	1160	22	1	34	1	1	20.2	115	1	1	1	6	2	3
10+1400E	0.2	32370	1	12	449	1.4	3	4170	1.7	4	16	74840	960	19	2620	683	1	370	11	5060	5	1	39	1	1	14.7	188	1	1	1	5	1	1
10+1450E	0.2	26290	1	9	329	1.9	3	3100	2.1	5	17	66100	1500	23	3410	614	1	240	12	810	19	1	34	1	1	18.6	211	1	1	1	5	2	4
10+1500E	0.2	25230	1	36	282	2.4	3	2780	1.6	4	18	52080	1830	22	3430	599	1	280	13	340	27	1	38	1	1	17.5	115	1	1	1	5	1	8
10+1550E	0.1	14970	1	1	114	2.3	3	1740	2.4	3	17	41050	1430	16	4290	442	1	80	10	180	23	1	21	1	1	16.3	62	1	1	1	5	1	9
10+1600E	0.1	24560	1	6	253	2.4	4	2830	1.8	4	15	51410	1380	21	3710	786	2	160	14	310	23	1	34	1	1	22.5	128	1	1	1	6	2	8

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
10+0050W	0.2	42020	1	22	228	3.9	6	2200	3.3	7	40	90830	1340	29	6650	525	2	250	16	370	28	2	23	1	1	56.7	77	1	1	1	10	3	8
10+0100W	0.2	30180	1	10	150	3.4	5	2310	2.2	6	42	65670	1200	26	5480	788	2	320	14	240	28	1	19	1	1	40.7	63	1	1	1	9	2	12
10+0150W	0.3	31820	1	13	350	3.0	3	1880	2.4	7	21	70580	980	20	4560	356	1	320	13	750	21	1	19	1	1	40.2	98	1	1	1	10	3	7
10+0200W	0.2	29470	1	9	299	2.3	3	1940	1.6	6	16	61880	1120	17	3500	422	1	330	12	1240	16	1	20	1	1	22.7	78	1	1	1	7	2	6
10+0250W	0.1	40800	1	23	441	2.9	4	2730	1.8	5	17	71260	1420	22	3200	1244	1	360	13	5740	24	1	30	1	1	21.4	90	1	1	1	10	2	8
10+0300W	0.1	42000	1	21	279	2.2	4	1470	1.8	6	20	78640	1010	21	3140	1003	2	430	19	2750	15	1	5	1	1	21.1	161	1	1	1	9	1	4
10+0350W	0.1	22550	1	7	338	1.9	3	1190	1.7	5	17	66180	1340	15	3050	1993	1	350	10	1680	20	1	12	1	1	23.7	94	1	1	1	6	1	3
10+0400W	0.1	36440	1	17	327	3.0	4	2220	2.5	6	22	66160	1290	19	4060	1482	3	320	19	1730	31	1	22	1	1	25.3	98	1	1	1	9	2	6
10+0450W	0.1	30490	1	12	268	3.0	4	2000	1.3	5	15	58550	1240	16	4110	1272	2	290	15	1340	24	1	23	1	1	25.6	72	1	1	1	9	2	5
10+0500W	0.1	21930	1	3	301	2.0	2	1680	1.8	5	14	48110	1100	11	3040	1279	1	320	12	1660	20	1	23	1	1	20.5	86	1	1	1	6	2	4
10+0550W	0.3	45920	1	27	237	3.5	4	1920	2.1	7	29	76770	1450	23	4740	481	3	380	22	1240	24	2	18	1	1	35.4	108	1	1	1	11	4	3
10+0600W	0.4	47800	1	27	300	3.0	5	1490	2.3	7	26	83030	1360	22	4440	857	2	430	20	790	25	1	15	1	1	32.1	136	1	1	1	12	3	1
10+0650W	0.4	35430	1	15	252	3.8	5	1520	3.0	7	28	68810	1450	22	6430	321	2	340	20	410	30	2	22	1	1	41.8	105	1	1	1	10	3	4
10+0700W	0.3	25560	1	8	183	3.1	4	1170	2.0	6	24	59960	1400	18	6310	346	1	200	15	290	28	2	16	1	1	40.4	81	1	1	1	9	3	5
10+0750W	0.4	49500	4	30	435	4.9	6	1080	2.5	8	52	77230	1770	23	6880	213	5	230	21	380	37	4	33	1	1	50.0	99	1	1	1	14	4	5
10+0800W	0.1	25130	1	9	142	2.9	3	1130	1.9	5	20	66180	1060	19	6170	428	1	260	11	190	25	1	15	1	1	43.8	92	1	1	1	9	2	3
10+0850W	0.2	18970	1	2	116	2.8	4	1250	2.3	5	19	54200	900	13	7850	179	1	150	10	180	27	2	17	1	1	48.1	58	1	1	1	8	3	4
10+0900W	0.1	15210	1	1	87	3.3	3	780	2.6	4	14	36270	1360	8	6040	265	3	60	9	160	31	2	12	1	1	28.4	42	1	1	1	8	3	6
10+0950W	0.2	31410	5	15	152	5.5	5	1750	4.0	9	31	56030	810	21	15350	607	5	130	16	520	40	6	25	1	1	110.7	93	1	1	1	16	5	4
10+1000W	0.1	15000	1	1	83	3.2	3	710	2.2	4	22	37170	1180	7	5950	266	2	180	8	280	31	2	13	1	1	33.8	40	1	1	1	7	3	4
10+1050W	0.3	27960	1	12	227	2.9	4	1490	3.2	5	15	52830	750	14	4350	390	2	270	11	900	27	2	15	1	1	31.4	69	1	1	1	10	3	2
10+1100W	0.1	20360	1	4	258	2.8	2	760	2.1	5	14	30690	530	11	3800	483	3	80	10	560	25	2	11	1	1	22.8	60	1	1	1	7	2	5
10+1150W	0.1	14250	1	1	436	2.0	3	2910	1.5	4	10	39120	860	8	2530	2621	1	150	8	860	25	1	38	1	1	17.3	64	1	1	1	6	2	3
10+1200W	0.1	24180	1	7	238	3.2	3	1670	2.2	5	14	44180	1000	12	3420	487	2	290	17	2260	20	2	15	1	1	19.5	77	1	1	1	8	2	4
10+1250W	0.1	25400	1	8	318	2.4	3	2480	1.7	5	16	51470	1180	14	3260	573	2	380	13	2990	22	1	29	1	1	18.3	80	1	1	1	7	2	5
10+1300W	0.2	28550	1	9	247	3.7	4	1750	2.0	6	25	49590	1140	14	4950	355	3	280	15	2300	29	3	15	1	1	29.8	69	1	1	1	10	3	8
10+1350W	0.2	33840	1	15	307	2.4	4	1650	1.4	6	19	67770	1340	18	3260	697	1	480	23	990	16	1	18	1	1	21.9	117	1	1	1	8	2	4
10+1400W	0.3	21420	1	6	174	4.1	5	1010	3.5	6	19	49080	1050	16	4130	244	3	220	13	1960	43	4	7	1	1	27.1	77	1	1	1	11	3	7
10+1450W	0.2	10500	1	1	79	3.2	2	660	2.4	4	18	29940	780	7	4750	171	3	190	10	420	30	3	10	1	1	21.7	39	1	1	1	7	2	8

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
11+0050E	0.3	28340	1	16	270	3.5	4	1680	2.1	5	22	52170	760	19	4700	654	4	90	15	970	40	3	16	1	1	37.4	88	1	1	1	8	3	7
11+0100E	0.3	32440	1	16	158	2.4	4	1040	1.8	4	22	53170	590	10	3220	765	3	90	11	620	29	1	10	1	1	22.0	55	1	1	1	7	3	1
11+0150E	0.3	34680	1	17	207	2.5	4	1390	2.0	5	15	62080	590	12	3570	749	2	150	13	340	32	1	16	1	1	24.5	64	1	1	1	9	2	3
11+0200E	0.1	21210	1	6	227	2.7	4	940	1.5	4	11	43860	650	11	4170	1037	3	90	10	450	27	1	16	1	1	26.5	70	1	1	1	7	2	5
11+0250E	0.1	22760	1	8	289	2.8	4	1130	2.0	5	10	44850	700	10	4380	1560	3	100	14	1160	25	1	19	1	1	23.5	75	1	1	1	7	2	5
11+0300E	0.3	27510	1	11	195	3.0	4	1060	2.0	4	13	52330	810	11	3640	540	3	90	16	460	40	2	14	1	1	25.1	64	1	1	1	8	2	4
11+0350E	0.1	22190	1	8	180	3.6	4	1680	2.7	6	19	50200	810	11	4330	1260	3	50	14	710	46	3	23	1	1	28.7	57	1	1	1	8	3	6
11+0400E	0.1	23960	1	9	325	4.3	6	2560	2.9	8	22	57210	1120	14	4920	2961	4	50	19	510	69	4	36	1	1	29.9	76	1	1	1	10	4	8
11+0450E	0.3	27200	1	11	235	3.8	5	1590	2.8	6	37	60620	1130	12	5580	1053	3	60	14	640	40	3	19	1	1	36.1	65	1	1	1	9	3	8
11+0500E	0.2	23590	1	7	294	3.4	5	1220	1.6	5	19	54140	810	13	4900	1045	3	70	13	970	35	2	17	1	1	29.3	77	1	1	1	7	3	12
11+0550E	0.3	23670	1	7	115	3.4	4	1250	1.7	5	27	51760	750	10	4900	314	3	70	12	460	35	2	14	1	1	28.1	52	1	1	1	7	2	10
11+0600E	0.3	23700	1	9	127	3.7	5	2750	2.7	8	22	59040	1530	13	6350	405	2	100	16	440	38	3	25	1	1	40.3	76	1	1	1	8	3	13
11+0650E	0.3	31610	1	14	162	4.3	6	2270	2.8	12	47	63420	1380	15	4740	1092	4	110	25	1550	69	4	34	1	1	26.4	171	1	1	1	11	4	9
11+0800E	0.1	24480	24	12	178	6.1	6	2620	3.6	18	54	49770	1990	12	3920	2866	6	40	28	860	98	8	33	1	2	20.4	177	1	1	1	13	5	11
11+0850E	0.1	27530	1	13	390	3.4	5	5060	2.9	7	15	63000	1520	15	2970	2350	3	140	20	3130	52	3	54	1	1	12.2	203	1	1	1	10	3	4
11+0900E	0.2	16510	1	3	175	2.7	3	2720	1.9	4	15	36830	1200	8	3560	751	2	70	15	780	44	1	38	1	1	16.3	149	1	1	1	6	2	7
11+0950E	0.1	32660	9	15	275	4.6	6	3530	3.1	15	54	70460	2050	15	4470	2219	4	80	28	540	91	5	45	1	1	26.5	156	1	1	1	12	4	7
11+1000E	0.1	25980	7	10	281	4.6	5	4030	2.7	12	39	56970	1840	20	3820	2298	4	90	25	970	77	5	54	1	1	20.7	212	1	1	1	10	4	8
11+1050E	0.1	28340	4	39	388	4.4	6	4680	2.8	10	30	62470	2520	19	4050	2082	4	160	24	1700	97	5	65	1	2	21.0	263	1	1	1	12	4	11
11+1100E	0.1	21300	8	7	436	4.4	5	5050	3.6	9	29	51440	1630	11	3200	2706	4	80	18	1640	85	5	82	1	2	15.2	166	1	1	1	11	4	9
11+1150E	0.3	26630	1	11	481	2.0	4	4830	1.4	5	18	56680	1070	14	2440	733	1	260	15	4130	41	1	64	1	1	13.0	247	1	1	1	7	2	3
11+1200E	0.1	14170	1	1	454	2.0	2	4440	1.9	4	9	31940	1330	8	2550	2168	2	120	11	1070	31	1	53	1	1	13.1	196	1	1	1	5	2	5
11+1250E	0.4	25150	1	9	278	2.6	4	1740	2.1	5	17	48860	1190	12	3320	447	2	170	15	1290	36	2	29	1	1	16.8	145	1	1	1	7	3	6
11+1300E	0.2	25980	1	10	586	2.1	4	2050	1.5	5	14	59170	990	15	2640	970	2	210	11	4170	34	1	25	1	1	15.1	267	1	1	1	6	2	3
11+1350E	0.5	28970	1	11	184	2.8	4	1670	2.0	5	20	52030	1080	12	3330	206	2	130	13	920	29	2	21	1	1	17.1	84	1	1	1	9	3	5
11+1400E	0.3	16580	1	1	224	2.0	2	1400	1.3	4	7	34540	1010	10	2760	355	2	90	11	890	22	1	24	1	1	12.8	111	1	1	1	5	2	4
11+1450E	0.1	9980	1	8	170	1.6	2	1960	2.2	3	9	23210	870	12	2450	813	2	50	8	380	32	1	26	1	1	9.4	93	1	1	1	4	1	5
11+1500E	0.2	13470	1	4	170	2.2	3	2270	2.0	4	15	29270	950	10	2840	906	2	70	11	490	33	2	33	1	1	12.9	97	1	1	1	5	1	6
11+0050W	0.1	34770	1	14	194	2.5	3	1320	1.9	5	24	67370	770	16	3590	782	1	330	10	1100	16	1	9	1	1	29.9	73	1	1	1	9	2	1
11+0100W	0.3	33610	1	15	236	2.8	5	1210	1.9	6	23	67970	970	20	4400	567	1	290	12	2400	20	2	5	1	1	32.0	115	1	1	1	8	2	3
11+0150W	0.2	31330	1	13	145	4.3	5	1370	2.4	7	42	64460	1500	18	8220	394	3	220	13	760	35	4	17	1	1	46.1	59	1	1	1	12	3	4
11+0200W	0.2	38050	1	18	256	3.4	5	1330	2.4	5	24	68200	1070	18	4500	790	2	330	13	940	22	3	15	1	1	27.7	66	1	1	1	10	2	4
11+0250W	0.1	31330	1	13	254	2.0	3	1460	1.2	5	20	61600	960	17	2580	1041	2	310	18	1020	21	1	16	1	1	17.3	102	1	1	1	8	2	1
11+0300W	0.1	28130	1	9	273	2.1	3	1290	1.7	5	18	59410	980	14	2680	1555	1	300	15	790	21	2	16	1	1	18.9	95	1	1	1	7	2	2
11+0350W	0.1	21510	1	4	150	3.0	3	840	2.0	4	16	34820	840	13	4480	320	4	220	13	430	29	3	12	1	1	26.5	55	1	1	1	8	2	5
11+0400W	0.2	16360	1	1	72	3.0	3	730	2.3	5	22	38390	940	10	5690	140	3	200	13	250	29	3	15	1	1	27.4	49	1	1	1	7	3	9
11+0450W	0.4	27140	1	9	255	3.1	4	1380	2.3	6	21	51040	1090	14	4580	653	2	250	19	530	25	3	18	1	1	28.4	79	1	1	1	9	2	4
11+0500W	0.2	33680	1	15	311	2.8	4	2760	1.6	7	26	66610	1530	21	4830	974	2	330	22	610	27	3	25	1	1	33.6	112	1	1	1	9	3	5
11+0550W	0.1	29070	1	10	299	2.0	3	1230	1.6	5	17	60910	820	15	3120	1158	1	320	14	930	22	1	12	1	1	21.8	126	1	1	1	6	2	2
11+0600W	0.1	29550	1	10	273	2.8	3	1130	2.1	7	21	62110	1060	17	4620	1443	2	290	18	990	24	2	12	1	1	31.7	114	1	1	1	7	3	3
11+0650W	0.4	42800	1	23	307	3.9	6	1150	3.3	8	29	79820	1590	27	6290	619	3	360	23	1020	32	4	13	1	1	41.4	144	1	1	1	11	3	4
11+0700W	0.6	31720	1	11	135	3.2	5	900	2.5	6	32	67720	1220	15	5450	145	2	310	15	520	26	3	10	1	1	39.7	71	1	1	1	8	2	2
11+0750W	0.2	24580	1	7	272	2.5	4	1180	2.3	5	19	59360	950	15	4220	622	1	310	11	990	22	2	12	1	1	29.9	93	1	1	1	6	3	1
11+0800W	0.2	29950	1	11	216	3.5	4	1210	2.3	7	18	57670	1140	20	6490	494	2	260	13	1520	28	3	12	1	1	46.7	138	1	1	1	9	3	4
11+0850W	0.2	24640	1	7	173	3.7	4	1560	2.3	6	20	51780	1090	15	8040	746	3	260	13	720	30	4	16	1	1	54.4	100	1	1	1	10	3	4
11+0900W	0.3	21350	1	2	223	3.0	4	1140	1.6	5	24	46480	1070	11	5650	156	2	240	11	490	27	3	17	1	1	38.6	52	1	1	1	7	3	3
11+0940W	0.2	37320	1	20	201	3.8	5	1290	2.6	6	24	62600	1340	18	4890	308	3	220	16	1410	34	3	18	1	1	36.2	114	1	1	1	10	3	3

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
12+0050E	0.5	34230	1	18	197	4.0	5	800	3.2	6	26	54490	570	17	5410	252	4	110	13	730	32	5	10	1	1	42.2	74	1	1	1	11	2	4
12+0100E	0.3	31890	1	18	173	2.2	4	1450	2.6	5	19	65670	800	20	3710	1085	1	170	14	870	19	2	15	1	1	27.4	89	1	1	1	7	1	1
12+0150E	0.4	35480	1	18	198	4.1	5	1040	3.5	7	27	66830	1010	27	6360	768	3	110	22	670	35	5	12	1	1	47.2	85	1	1	1	10	2	5
12+0200E	0.3	30270	1	15	152	2.7	5	1050	2.4	5	18	71440	850	16	5130	757	1	130	11	840	32	3	11	1	1	39.5	67	1	1	1	7	1	1
12+0250E	0.3	25320	1	10	217	2.6	5	1460	1.8	6	19	65660	990	18	5370	1255	1	140	15	1500	26	3	17	1	1	37.3	80	1	1	1	7	1	3
12+0300E	0.3	33720	1	17	182	2.6	5	1440	2.9	5	16	72840	980	19	4510	1102	1	170	16	2430	23	3	18	1	1	31.4	83	1	1	1	8	1	1
12+0350E	0.4	28710	1	11	189	3.6	5	1250	2.6	6	22	64930	960	17	6440	545	3	100	15	950	35	5	15	1	1	41.6	72	1	1	1	9	1	5
12+0400E	0.3	22960	1	9	141	2.9	3	1070	2.2	5	15	53630	900	15	3980	297	2	90	10	510	28	3	12	1	1	29.1	55	1	1	1	7	2	4
12+0450E	0.3	21830	1	7	219	1.9	4	1850	2.1	4	12	58860	1060	14	2760	1045	1	180	12	550	26	1	25	1	1	21.5	102	1	1	1	5	1	2
12+0500E	0.3	24260	1	9	176	2.9	5	900	2.3	5	16	54240	930	17	3780	579	1	90	11	1170	29	3	8	1	1	27.1	83	1	1	1	7	1	4
12+0550E	0.1	20470	1	7	284	2.4	3	2020	2.4	5	13	48580	1130	17	4620	1250	1	140	16	520	29	2	25	1	1	23.6	96	1	1	1	6	1	9
12+0600E	0.1	24320	1	9	226	3.1	5	2850	3.1	8	32	62490	1550	16	5990	2114	2	90	15	370	81	4	24	1	1	35.3	76	1	1	1	8	1	12
12+0650E	0.4	25000	1	13	183	3.8	5	2610	3.8	6	24	60810	1120	19	5400	1131	3	70	16	560	56	4	22	1	1	31.5	109	1	1	1	9	1	10
12+0700E	0.3	23590	1	10	256	2.4	3	2880	2.5	7	14	53570	1270	17	3440	810	1	220	18	1680	32	2	28	1	1	17.3	175	1	1	1	6	1	6
12+0750E	0.2	27690	1	12	218	4.0	6	2300	3.8	12	35	66580	1240	16	4700	1890	3	100	26	490	49	5	32	1	1	28.4	131	1	1	1	10	2	7
12+0800E	0.1	28400	1	13	222	5.6	7	2040	4.7	16	47	58940	1450	16	4730	2377	5	60	31	620	83	8	28	1	1	28.4	174	1	1	1	13	3	9
12+0850E	0.3	30920	1	13	169	5.4	6	1220	3.6	14	57	60140	1670	16	4480	1160	5	80	37	580	100	8	27	1	1	26.0	217	1	1	1	12	3	11
12+0900E	0.1	27410	8	13	388	3.8	5	3900	3.6	8	24	56500	2410	18	3880	2410	3	110	25	860	89	5	54	1	1	19.1	266	1	1	1	10	3	12
12+0950E	0.1	22790	1	7	246	3.6	5	2950	3.1	11	37	59170	1580	15	4210	3020	2	80	23	1030	85	5	31	1	1	24.3	179	1	1	1	9	3	6
12+1000E	0.1	27750	1	13	281	3.7	5	4230	3.9	14	35	61630	2450	16	4330	2920	3	100	27	690	85	5	56	1	2	23.3	132	1	1	1	9	2	7
12+1050E	0.3	24230	1	9	270	3.3	4	2990	3.0	9	18	47740	1670	17	3520	793	2	110	23	750	58	4	41	1	1	18.3	152	1	1	1	7	2	7
12+1250E	0.3	18870	1	7	544	1.7	3	4390	2.3	4	16	52960	1650	23	2760	564	1	290	10	2790	41	1	73	1	1	15.9	353	1	1	1	5	1	4
12+1300E	0.5	30110	1	13	286	1.8	4	2900	2.3	4	14	59990	1140	13	2240	482	1	230	14	3340	18	2	36	1	1	11.8	145	1	1	1	6	1	1
12+1350E	0.6	41170	1	25	187	2.4	6	3180	2.8	5	23	78410	670	16	2750	208	1	250	15	2800	26	1	27	1	1	17.1	140	1	1	1	8	1	1
12+1400E	0.5	34050	1	18	215	2.4	4	2490	2.3	5	14	66980	1110	18	2930	384	1	190	16	1040	28	1	29	1	1	16.4	145	1	1	1	8	1	2
12+1450E	0.3	25970	1	9	178	3.0	4	1830	2.7	5	19	39550	1100	32	3620	198	3	140	13	310	37	2	34	1	1	21.7	76	1	1	1	7	1	9
12+1500E	0.4	32640	1	16	256	3.3	5	1940	2.1	6	21	65480	1380	19	3920	451	1	210	17	2890	35	2	24	1	1	22.6	154	1	1	1	9	1	5
12+0050W	0.1	22050	1	4	366	2.2	3	1300	1.2	4	12	56000	710	13	2750	1378	1	140	8	2340	14	1	6	1	1	25.8	92	1	1	1	6	2	3
12+0100W	0.1	29840	1	15	189	2.2	4	790	1.9	5	18	50470	600	12	2930	992	2	240	12	1090	23	1	4	1	1	20.0	67	1	1	1	8	1	2
12+0150W	0.1	27490	1	13	163	2.9	4	1160	3.1	5	18	49690	790	14	3850	585	2	220	12	990	26	2	8	1	1	23.2	59	1	1	1	8	2	4
12+0200W	0.1	27110	1	11	164	1.9	2	740	2.1	4	16	50930	760	14	2690	875	1	260	12	810	17	1	6	1	1	17.5	68	1	1	1	6	1	2
12+0250W	0.1	35710	1	19	174	2.5	4	1160	2.0	5	15	64490	970	18	2970	333	2	330	14	750	20	1	10	1	1	21.2	87	1	1	1	7	1	2
12+0300W	0.1	20080	1	5	213	2.0	2	790	1.8	5	10	46250	940	16	3150	1599	1	270	10	290	22	2	9	1	1	23.6	84	1	1	1	6	2	4
12+0350W	0.1	32570	1	14	193	2.4	4	1560	3.5	5	20	65970	1080	17	3690	1077	2	330	19	830	27	2	17	1	1	26.3	90	1	1	1	8	1	2
12+0400W	0.2	29290	1	12	202	2.5	3	1380	2.1	5	18	62310	1000	16	3490	721	1	360	16	1460	23	2	20	1	1	24.3	86	1	1	1	7	1	3
12+0450W	0.1	31790	1	17	296	3.5	4	1280	1.8	6	26	65720	1670	21	4750	1873	2	350	26	500	30	2	16	1	1	32.7	123	1	1	1	9	2	6
12+0500W	0.1	29690	1	13	198	3.1	3	1290	1.7	6	18	61810	1200	17	4000	1066	2	290	21	480	26	3	14	1	1	28.1	93	1	1	1	7	1	2
12+0550W	0.2	32890	1	16	222	2.9	3	1420	2.5	7	20	67990	1100	22	3940	729	2	330	23	1820	24	2	11	1	1	29.3	125	1	1	1	9	1	3
12+0600W	0.4	35050	1	16	216	2.9	5	1450	2.4	6	25	69390	1020	18	4630	720	2	330	23	590	28	2	15	1	1	33.7	94	1	1	1	9	1	2
12+0650W	0.3	36100	1	17	172	3.4	4	940	2.6	6	22	68550	960	19	4580	405	2	340	17	780	20	1	8	1	1	35.6	90	1	1	1	9	1	2
12+0700W	0.1	26400	1	11	166	3.8	4	1020	2.0	6	20	55000	840	16	5720	260	3	220	15	580	30	3	11	1	1	47.8	87	1	1	1	8	3	2
12+0750W	0.1	28440	1	13	213	3.1	3	1650	2.1	6	15	63590	1230	18	3940	982	2	290	14	2570	26	2	12	1	1	35.6	102	1	1	1	7	1	2
12+0800W	0.1	15990	1	2	62	3.4	3	1340	1.7	4	19	30790	990	16	7850	153	4	180	12	240	28	4	14	1	1	40.5	48	1	1	1	7	3	7
12+0850W	0.2	19110	1	3	89	3.2	4	1550	2.2	4	23	43870	850	24	6990	316	2	280	17	150	28	3	17	1	1	41.9	50	1	1	1	8	2	7
12+0900W	0.3	19420	1	3	112	2.9	4	1640	1.9	5	26	47620	1040	18	5600	448	2	320	13	180	29	3	18	1	1	35.7	66	1	1	1	7	1	4
12+0950W	0.1	19320	1	3	219	2.5	3	1550	2.5	5	17	50010	1020	12	3720	1272	1	280	13	960	27	2	19	1	1	25.5	70	1	1	1	6	2	4
12+1000W	0.1	11030	1	1	87	2.4	2	370	1.7	3	11	19520	620	6	3850	120	3	190	8	440	25	3	8	1	1	15.8	43	1	1	1	5	2	3

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
13+0050E	0.6	36660	1	16	151	3.1	6	1380	2.9	6	38	76590	760	15	4930	560	2	180	11	720	20	2	15	1	1	47.8	59	1	1	1	10	1	1
13+0100E	0.5	37200	1	17	231	2.6	5	1400	2.4	6	23	72620	710	16	4010	600	2	180	12	1050	21	2	14	1	1	34.3	66	1	1	1	10	1	1
13+0150E	0.2	18150	1	4	118	2.6	4	840	2.4	4	12	45190	540	14	6380	664	2	80	8	400	26	1	12	1	1	38.0	57	1	1	1	7	2	4
13+0200E	0.3	24110	1	7	123	2.3	4	1170	2.1	4	16	63880	710	17	3510	297	1	120	12	450	27	1	14	1	1	32.1	101	1	1	1	7	1	1
13+0250E	0.1	28040	1	11	292	2.6	4	1560	2.8	5	19	58220	840	14	3200	1808	1	140	14	440	33	1	23	1	1	27.0	93	1	1	1	7	2	3
13+0300E	0.5	39820	1	19	214	2.8	5	1040	2.9	6	24	74010	660	16	4110	547	2	140	13	700	32	2	11	1	1	29.2	68	1	1	1	9	1	2
13+0350E	0.6	37570	1	17	164	2.7	5	1170	3.0	5	19	75450	1200	16	3360	620	1	170	14	830	27	2	12	1	1	28.0	77	1	1	1	9	1	1
13+0400E	0.2	30810	1	11	223	3.2	5	1140	3.0	6	18	62080	810	17	5340	631	3	100	12	1690	38	2	13	1	1	34.2	67	1	1	1	9	2	4
13+0450E	0.3	29620	1	11	211	3.6	5	1140	3.1	6	20	60250	910	16	5330	346	3	90	14	1000	65	2	14	1	1	36.2	76	1	1	1	9	2	5
13+0500E	0.2	23900	1	7	365	2.5	4	1530	2.8	5	14	56920	970	15	4340	1059	2	120	11	910	39	1	16	1	1	27.5	92	1	1	1	7	2	5
13+0550E	0.5	26940	1	13	234	2.3	5	2220	2.5	5	21	58270	890	18	3750	591	2	160	15	970	28	1	18	1	1	24.9	109	1	1	1	7	1	6
13+0600E	0.5	29310	1	14	263	3.0	5	2030	3.0	6	24	70970	1060	19	7120	851	1	150	17	550	34	2	18	1	1	35.3	90	1	1	1	8	2	19
13+0650E	0.4	21580	1	6	130	2.6	4	1560	3.1	5	20	61900	1060	27	5480	564	2	80	13	250	29	1	15	1	1	32.5	60	1	1	1	7	2	11
13+0700E	0.3	30510	1	13	222	3.4	5	2040	3.2	7	28	63720	1170	19	5250	744	3	80	17	350	47	3	23	1	1	31.4	79	1	1	1	10	2	9
13+0750E	0.1	21700	1	5	217	3.0	5	1390	2.9	6	19	52000	880	14	4460	1458	3	70	13	800	34	2	17	1	1	25.8	88	1	1	1	7	2	8
13+0800E	0.2	31750	1	15	226	5.1	6	2220	4.0	17	50	70000	1460	18	4950	1803	3	90	35	610	68	5	29	1	1	26.1	172	1	1	1	12	3	8
13+0850E	0.2	30780	5	14	184	5.5	7	2470	4.5	17	60	66580	1620	16	4860	2070	6	60	32	1020	73	7	30	1	2	26.9	191	1	1	1	12	3	9
13+0900E	0.2	22620	1	7	197	3.8	5	2580	3.1	9	33	50440	1760	15	4210	1603	4	80	29	530	51	4	37	1	1	19.7	193	1	1	1	9	3	7
13+0950E	0.1	29420	21	14	337	5.0	7	3310	5.4	15	35	70260	2390	20	5700	3443	4	70	36	1320	140	7	49	1	1	34.8	274	1	1	1	12	4	35
13+1050E	0.1	25440	12	11	249	3.8	5	4330	4.7	12	41	62070	1800	14	4230	2609	3	70	23	610	89	4	45	1	1	25.8	148	1	1	1	10	2	8
13+1100E	0.1	31820	10	14	248	5.0	6	3190	5.0	19	48	63460	2060	21	4840	3453	5	70	31	1520	110	6	37	1	3	26.2	224	1	1	1	12	3	11
13+1150E	0.1	24960	1	11	358	3.5	5	5080	3.3	10	30	59130	2270	21	3900	2056	3	130	22	1470	94	3	70	1	1	19.4	214	1	1	1	10	2	8
13+1250E	0.1	29390	1	19	559	3.4	6	8590	5.0	9	32	63500	1860	20	3900	2964	3	180	20	4810	87	3	95	1	2	15.3	310	1	1	1	9	2	9
13+1300E	0.2	37100	1	20	321	4.0	6	4630	4.0	9	41	66800	1740	22	3890	762	3	210	23	3220	74	4	59	1	1	18.7	212	1	1	1	11	2	9
13+1400E	0.2	28840	1	12	184	2.5	5	3160	1.8	5	17	61560	1420	14	3030	397	1	210	15	1640	27	1	35	1	1	16.8	130	1	1	1	7	1	3
13+1500E	0.1	26310	1	11	338	2.0	3	2020	2.3	5	17	57990	920	16	3000	321	1	170	14	1480	23	1	23	1	1	16.3	140	1	1	1	5	1	2
13+1550E	0.3	23210	1	8	255	1.9	4	2290	1.9	5	13	56780	1290	16	2800	307	1	220	14	1850	28	1	29	1	1	17.2	213	1	1	1	4	1	2
13+1600E	0.5	35370	1	18	258	2.6	5	1890	2.3	6	24	71020	980	18	3320	326	1	250	15	1560	25	2	22	1	1	19.4	143	1	1	1	8	1	2
13+0100W	0.3	34840	1	19	194	2.3	4	1120	2.3	5	21	83100	810	19	2950	885	1	350	12	710	19	1	6	1	1	31.1	123	1	1	1	7	1	2
13+0150W	0.1	23500	1	6	203	2.3	3	680	2.2	5	17	53070	940	14	2920	1454	1	270	10	760	24	2	5	1	1	21.8	95	1	1	1	7	1	4
13+0200W	0.1	27260	1	8	154	2.1	4	1020	1.9	6	14	62270	760	18	2220	867	1	340	11	1980	18	2	6	1	1	21.7	99	1	1	1	7	1	3
13+0250W	0.1	31140	1	14	198	2.7	4	890	1.7	6	19	56830	900	16	2990	754	2	320	18	700	22	2	9	1	1	20.0	81	1	1	1	6	1	2
13+0300W	0.3	35350	1	17	199	2.6	3	840	2.4	5	26	63550	820	14	3860	460	2	320	12	500	23	2	8	1	1	26.7	60	1	1	1	8	1	2
13+0350W	0.4	37200	1	16	181	3.4	5	800	1.6	6	18	63200	800	18	3730	339	3	260	13	700	26	3	8	1	1	28.6	75	1	1	1	9	1	4
13+0400W	0.1	35850	1	15	177	2.9	3	1840	2.7	6	19	67410	830	16	3440	1236	2	320	16	1100	28	2	24	1	1	27.3	87	1	1	1	8	2	3
13+0450W	0.1	24250	1	10	249	1.9	4	1250	1.7	6	13	62480	880	16	2810	1194	1	290	15	1090	21	1	17	1	1	25.1	113	1	1	1	6	1	2
13+0500W	0.1	27740	1	16	202	2.2	4	1110	2.3	5	13	56940	810	16	3640	1374	2	300	14	1070	20	2	10	1	1	27.7	104	1	1	1	8	1	3
13+0550W	0.1	29610	1	10	195	2.3	4	950	1.9	6	13	60970	700	16	3150	1301	1	280	19	1590	18	1	5	1	1	29.4	93	1	1	1	8	2	1
13+0600W	0.1	29040	1	9	196	2.9	4	1310	2.1	6	12	60510	750	15	3490	791	1	290	16	950	23	1	13	1	1	32.6	88	1	1	1	9	2	3
13+0650W	0.1	36550	1	14	229	2.7	3	1340	2.8	5	18	68020	880	18	3530	1008	2	320	15	910	22	1	9	1	1	30.1	81	1	1	1	9	1	1
13+0700W	0.1	36850	1	17	243	2.5	4	1430	3.0	6	18	74490	960	19	3640	1015	2	410	15	640	20	1	12	1	1	31.9	91	1	1	1	8	2	1
13+0750W	0.1	20310	1	1	302	1.5	3	1650	0.9	6	11	67880	920	14	2730	1360	1	320	11	380	17	1	21	1	1	27.0	115	1	1	1	5	2	1
13+0800W	0.3	39480	1	17	218	3.2	5	1610	2.8	6	19	74840	1020	20	4050	436	2	340	16	1170	25	1	20	1	1	36.3	100	1	1	1	10	2	3
13+0850W	0.1	30200	1	8	287	2.7	4	1570	2.1	6	17	58810	1070	18	4070	1012	1	310	13	2660	27	1	16	1	1	30.5	83	1	1	1	7	3	4
13+0900W	0.3	32590	1	10	235	3.5	5	1310	3.1	6	34	68370	1300	24	6790	189	3	390	16	250	32	2	26	1	1	48.7	52	1	1	1	8	5	5
13+0950W	0.2	28560	1	7	193	2.6	3	1770	2.2	5	14	59340	1100	16	3830	210	2	360	15	360	27	1	21	1	1	26.3	73	1	1	1	7	2	2
13+1000W	0.3	24690	1	3	221	2.3	4	1380	2.3	5	17	54230	1130	15	4070	358	1	340	15	620	23	1	15	1	1	24.5	88	1	1	1	6	2	3

Table 5.1. Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
14+0050E	0.4	31410	1	11	137	1.9	4	970	2.4	4	20	65800	470	16	2800	765	1	180	9	700	15	1	12	1	1	28.1	104	1	1	1	6	1	1
14+0100E	0.2	34750	1	17	142	2.9	5	970	3.2	6	24	69780	540	18	3870	685	2	180	11	1410	18	3	7	1	1	41.4	92	1	1	1	8	1	1
14+0150E	0.3	30670	1	11	186	3.1	5	1020	2.9	5	19	71120	630	18	4980	265	1	130	11	490	25	2	12	1	1	45.0	60	1	1	1	7	1	1
14+0200E	0.4	38870	1	17	145	2.7	5	1440	2.3	5	21	74600	620	17	3980	609	1	210	13	960	21	3	15	1	1	25.6	91	1	1	1	7	1	1
14+0250E	0.4	35830	1	16	186	2.1	5	1360	2.9	5	22	69020	670	18	3830	514	1	200	15	1140	23	2	11	1	1	25.6	92	1	1	1	8	1	1
14+0300E	0.4	28870	1	10	137	2.7	4	1160	2.3	5	18	62660	650	15	4250	264	2	160	14	680	21	1	14	1	1	28.9	91	1	1	1	6	1	1
14+0350E	0.4	29890	1	16	198	2.2	4	2760	2.7	5	18	63770	800	20	4140	862	1	200	17	1840	31	1	27	1	1	25.0	127	1	1	1	6	1	4
14+0400E	0.1	32720	1	16	152	4.1	5	1050	3.4	7	26	66800	980	23	4980	920	4	90	19	1850	43	4	8	1	1	34.3	128	1	1	1	9	2	5
14+0450E	0.5	25240	1	9	145	3.4	4	1670	3.2	5	20	56300	940	14	5860	199	3	80	14	1140	41	3	16	1	1	35.8	65	1	1	1	8	1	5
14+0500E	0.2	26600	1	9	256	2.0	4	1420	2.4	4	14	61240	770	14	2920	632	1	180	12	2200	25	1	11	1	1	19.3	92	1	1	1	6	1	2
14+0550E	0.4	33810	1	14	231	2.4	5	1710	3.0	5	24	72560	810	18	3360	964	1	220	16	480	25	2	19	1	1	25.1	83	1	1	1	7	1	1
14+0600E	0.3	28050	1	9	182	2.6	4	1400	2.8	5	20	64570	760	18	4120	499	1	160	18	390	19	2	15	1	1	27.9	79	1	1	1	7	1	11
14+0650E	0.2	21330	1	4	162	2.2	3	1090	2.0	4	13	47210	880	17	3310	517	2	140	12	400	23	1	15	1	1	23.1	116	1	1	1	5	1	5
14+0700E	0.1	23200	1	6	344	2.9	5	1680	2.9	6	21	62170	1090	16	4730	1566	2	90	13	690	35	3	23	1	1	28.6	107	1	1	1	8	2	8
14+0750E	0.2	22650	1	8	152	3.3	5	2450	3.1	8	20	55210	1400	14	4520	775	2	120	16	750	36	4	25	1	1	25.8	137	1	1	1	8	2	8
14+0850E	0.4	30330	1	14	185	3.7	5	3100	2.9	10	44	63670	1820	24	3920	482	3	200	25	350	44	4	34	1	1	20.3	114	1	1	1	9	2	7
14+0900E	0.3	30390	12	15	171	4.8	6	3670	4.1	17	61	76370	2530	19	5470	1507	4	110	40	1310	101	6	45	1	2	30.0	219	1	1	1	11	3	24
14+0950E	0.1	29890	19	13	148	5.9	7	1750	4.8	20	57	69390	2000	17	4720	2436	5	50	26	900	203	7	25	1	3	26.3	244	1	1	1	12	3	8
14+1000E	0.1	23650	1	8	350	3.1	5	2930	2.9	8	27	57460	1790	15	4180	2528	3	80	18	570	56	4	45	1	1	21.8	134	1	1	1	8	2	6
14+1050E	0.1	19210	1	8	262	4.1	5	3020	3.4	10	24	48740	1270	9	3750	2894	5	50	18	550	79	6	38	1	1	20.6	109	1	1	1	9	3	10
14+1100E	0.1	22950	1	9	295	4.0	6	4380	4.4	11	22	56880	1180	9	3330	3113	3	50	19	740	123	6	52	1	4	17.7	149	1	1	1	9	4	7
14+1150E	0.1	22520	54	9	255	4.8	6	1770	3.7	12	32	51230	1320	8	3070	3676	5	40	21	940	116	8	31	1	7	18.1	143	1	1	1	10	5	6
14+1200E	0.1	24080	33	9	231	5.1	7	2830	4.0	17	40	60400	1400	11	4070	3666	6	50	32	840	113	8	28	1	1	23.6	172	1	1	1	12	4	10
14+1250E	0.1	29260	1	13	227	2.5	4	5900	2.2	7	27	58190	1340	8	2970	924	2	230	20	2700	43	3	61	1	1	14.6	173	1	1	1	7	3	4
14+1450E	0.2	16610	1	4	311	2.5	3	3550	1.2	4	7	30810	1430	9	2760	664	2	90	14	720	35	3	40	1	1	11.8	121	1	1	1	6	2	6
14+1500E	0.1	19690	1	6	396	2.0	3	3860	2.1	4	10	47250	1060	12	2590	1287	1	150	13	1890	32	2	61	1	1	12.6	191	1	1	1	5	2	3
14+1550E	0.2	23150	1	7	283	2.4	4	1770	1.9	4	7	45610	860	7	2610	326	2	120	14	660	27	2	25	1	1	13.5	87	1	1	1	6	2	4
14+1600E	0.3	17390	1	3	285	2.3	3	1410	1.2	4	7	35620	730	9	2740	422	2	100	11	680	29	2	27	1	1	13.2	108	1	1	1	6	2	4
14+0050W	0.3	40500	1	15	142	2.5	3	960	2.0	7	22	63280	870	19	2850	518	3	320	15	670	17	1	6	1	1	22.8	56	1	1	1	8	2	3
14+0100W	0.1	32620	1	9	178	2.6	4	1110	2.8	5	13	66190	750	18	2280	784	2	280	10	2200	23	1	3	1	1	26.7	78	1	1	1	9	2	2
14+0150W	0.1	15660	1	1	146	2.9	3	510	2.8	4	13	28000	980	11	3770	689	3	170	11	460	26	2	11	1	1	20.3	67	1	1	1	7	3	5
14+0200W	0.3	41070	1	18	174	2.2	4	1280	2.3	4	14	67920	700	17	2610	634	2	340	16	1110	12	1	9	1	1	20.9	97	1	1	1	7	1	1
14+0250W	0.3	30010	1	9	182	2.0	4	1410	1.9	5	12	74870	860	20	2420	678	1	320	14	820	22	1	13	1	1	24.7	122	1	1	1	6	2	2
14+0300W	0.2	29410	1	7	193	2.0	2	1390	1.8	6	17	70930	860	14	2240	1585	1	340	16	560	19	1	11	1	1	24.3	119	1	1	1	6	2	2
14+0350W	0.3	39650	1	17	178	3.4	5	1010	3.3	7	18	67780	1000	24	4300	511	2	300	15	1310	29	2	9	1	1	37.2	107	1	1	1	11	4	5
14+0400W	0.1	18960	1	1	206	2.0	2	740	1.4	4	10	44190	800	13	3340	998	2	230	11	430	23	1	11	1	1	28.3	66	1	1	1	6	4	4
14+0450W	0.3	34230	1	11	136	2.2	4	1600	1.9	5	22	71150	830	15	3330	756	1	390	15	750	22	1	18	1	1	25.3	65	1	1	1	7	1	1
14+0500W	0.3	36870	1	13	188	2.4	4	1440	2.7	6	18	75190	850	16	3630	760	1	320	15	840	23	1	18	1	1	31.3	79	1	1	1	8	2	2
14+0550W	0.2	35690	1	13	303	2.3	4	1710	2.6	7	15	76940	990	24	2880	1035	1	420	13	1310	28	1	18	1	1	30.7	141	1	1	1	7	1	1
14+0600W	0.1	32830	1	10	225	2.1	2	2060	2.6	5	21	67450	960	15	3070	2807	1	380	15	1390	24	1	26	1	1	25.1	98	1	1	1	7	3	1
14+0650W	0.5	40310	1	17	228	2.4	6	1770	2.0	7	18	82270	1060	21	3880	779	1	440	15	1080	34	1	18	1	1	29.4	104	1	1	1	8	2	1
14+0700W	0.7	38650	1	14	159	2.2	4	2440	2.5	5	22	87980	1060	19	3340	1011	1	450	17	470	14	1	27	1	1	29.4	81	1	1	1	8	1	1
14+0750W	0.4	34440	1	11	161	3.1	5	1770	3.5	7	26	76830	1030	17	5560	319	3	380	15	880	33	2	20	1	1	49.5	58	1	1	1	9	2	2
14+0850W	0.1	25170	1	4	204	2.0	3	1920	1.7	4	10	46040	930	11	2860	909	2	260	13	4110	25	1	19	1	1	15.4	53	1	1	1	6	1	3
14+0900W	0.1	20420	1	1	140	2.8	3	1170	3.3	5	15	35560	930	10	4340	655	3	210	13	1130	38	2	15	1	1	14.4	68	1	1	1	7	3	7
14+0950W	0.2	34240	1	18	223	2.2	4	2200	3.0	5	16	68190	940	19	2970	749	1	250	18	2620	23	1	19	1	1	18.5	120	1	1	1	9	2	3

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
15+0050E	0.4	40030	1	18	151	2.7	5	890	1.4	5	12	68900	480	9	2080	873	3	150	10	1380	24	5	8	1	1	27.0	80	1	1	1	9	2	1
15+0100E	0.6	40610	1	20	94	1.9	5	1350	2.1	4	12	67230	410	7	2000	537	2	120	7	1440	16	3	9	1	1	18.1	53	1	1	1	9	2	1
15+0150E	0.6	38370	1	19	146	2.5	4	1450	2.3	6	11	65010	410	12	2710	653	2	120	12	1020	24	4	11	1	1	23.6	97	1	1	1	9	2	3
15+0200E	0.4	39590	1	19	130	3.0	5	950	2.1	5	15	63390	390	12	3520	628	3	120	11	1060	24	4	8	1	1	27.9	70	1	1	1	10	2	2
15+0250E	0.1	32340	1	14	163	2.3	4	680	2.1	5	13	64570	430	11	3700	2030	2	120	12	730	22	4	8	1	1	28.1	68	1	1	1	8	3	2
15+0300E	0.2	30530	1	12	150	2.9	4	590	2.1	5	11	54130	420	11	3710	810	3	90	11	1000	26	4	8	1	1	29.1	75	1	1	1	8	3	3
15+0350E	0.4	38710	1	19	220	2.8	5	1400	2.2	5	12	67390	490	13	3400	803	2	120	14	820	28	5	23	1	1	25.9	92	1	1	1	9	4	3
15+0400E	0.1	27460	1	11	197	2.4	4	1090	1.9	4	9	54790	640	8	3300	2577	3	90	14	1270	31	4	20	1	1	21.5	61	1	1	1	7	2	3
15+0450E	0.3	31740	1	15	133	3.3	5	740	2.5	6	16	61190	640	14	3580	868	3	70	16	1050	46	5	11	1	1	30.3	87	1	1	1	9	3	8
15+0500E	0.1	18090	1	4	161	3.0	3	880	2.0	5	12	40610	580	10	3660	945	4	60	10	710	41	4	14	1	1	26.7	59	1	1	1	7	2	6
15+0550E	0.5	31710	1	14	87	2.7	5	490	1.8	5	17	65910	630	11	3340	530	3	90	13	2660	64	4	1	1	1	24.8	122	1	1	1	8	3	13
15+0600E	0.6	40420	1	21	137	2.6	5	2080	2.5	5	16	69450	610	13	3240	387	3	140	15	900	24	4	18	1	1	22.2	96	1	1	1	10	2	4
15+0650E	0.3	34000	1	16	220	2.5	4	1730	1.4	5	14	61780	460	14	3330	984	2	140	19	1020	25	4	13	1	1	21.3	70	1	1	1	8	2	11
15+0700E	0.1	19480	1	5	242	2.2	3	2610	1.6	4	12	46700	600	9	3520	3051	2	100	13	540	28	3	29	1	1	20.5	70	1	1	1	6	2	8
15+0750E	0.3	15560	1	2	135	3.1	4	1020	2.4	5	15	36840	650	9	5540	622	4	30	12	320	40	4	16	1	1	29.3	54	1	1	1	8	3	15
15+0800E	0.3	19050	1	6	438	2.3	3	960	1.6	4	12	40210	550	10	2280	971	2	100	9	1480	26	3	16	1	1	16.7	155	1	1	1	6	2	6
15+0850E	0.2	20500	1	8	263	3.7	5	1460	1.9	7	13	45940	710	12	4970	1226	4	50	16	1210	51	3	19	1	1	25.9	121	1	1	1	8	3	12
15+0900E	0.1	21810	1	8	292	3.1	4	2470	2.7	7	13	51840	1050	11	4190	2463	3	60	20	790	45	3	29	1	1	22.9	153	1	1	1	7	3	18
15+0950E	0.2	24620	1	9	138	3.8	5	1120	2.8	11	37	53210	960	11	3980	1223	5	50	22	740	56	3	34	1	1	25.0	124	1	1	1	9	3	13
15+1000E	0.1	34590	36	18	231	6.8	8	2410	5.9	28	90	69060	2490	20	5400	4170	8	50	37	187016	510	34	1	4	42.1	233	1	1	1	16	6	14
15+1100E	0.1	29740	1	14	412	2.4	5	5170	1.9	7	17	63740	1430	15	2890	1638	2	220	16	4760	55	2	62	1	1	12.7	190	1	1	1	7	2	3
15+1150E	0.1	20840	1	6	169	3.7	4	1240	2.6	8	24	40030	1110	9	3370	1473	4	40	16	660	58	3	21	1	1	18.9	112	1	1	1	8	3	6
15+1200E	0.1	29110	1	12	161	3.6	5	1870	2.2	10	23	63410	940	13	3490	1290	3	60	19	1060	66	4	21	1	1	23.6	124	1	1	1	10	3	5
15+1250E	0.5	29300	10	13	102	3.7	5	2380	2.7	11	43	57080	1260	11	3790	790	4	60	22	780	127	4	28	1	1	20.9	111	1	1	1	9	4	6
15+1300E	0.1	22890	1	10	512	3.2	4	3690	2.7	7	17	49060	1680	14	3470	1915	3	130	22	1620	66	2	51	1	1	16.1	250	1	1	1	8	3	7
15+1350E	0.1	18140	1	7	685	2.3	4	5250	2.1	9	24	44760	1710	13	2730	3132	3	180	21	780	59	1	78	1	1	15.1	347	1	1	1	6	2	7
15+1400E	0.1	25520	1	11	461	2.0	4	3550	1.6	5	12	57120	1230	18	2740	1198	2	240	17	2740	38	1	55	1	1	13.9	271	1	1	1	6	2	4
15+1500E	0.2	18510	1	4	322	1.7	3	2570	1.4	4	13	40030	970	10	2340	796	1	170	12	970	27	1	40	1	1	11.6	131	1	1	1	4	1	4
15+1550E	0.3	18670	1	7	232	2.6	3	3220	1.3	4	11	32080	1720	11	3390	617	3	70	13	950	37	1	41	1	1	14.6	113	1	1	1	6	2	8
15+1600E	0.3	24120	1	10	252	2.6	3	2420	2.1	5	18	43950	1430	13	3410	290	2	140	12	1360	33	1	32	1	1	15.7	120	1	1	1	6	2	8
15+1650E	0.3	24390	1	10	533	1.7	4	3680	1.6	4	7	54370	1050	15	2280	1119	1	230	12	3110	29	1	48	1	1	14.3	184	1	1	1	6	2	4
15+0100W	0.2	27180	1	7	75	.5	2	500	1.0	2	14	39130	370	8	1450	21	1	80	4	590	19	1	6	1	1	8.4	20	1	1	1	2	1	2
15+0150W	0.1	24860	1	5	223	2.6	4	670	2.0	4	14	49180	660	11	2420	1687	2	110	9	570	28	1	10	1	1	24.0	83	1	1	1	6	2	4
15+0200W	0.1	31670	1	14	163	2.7	5	680	2.5	5	16	60210	780	14	2950	2892	3	120	13	2480	36	3	6	1	1	24.5	85	1	1	1	8	3	4
15+0250W	0.4	40440	1	19	129	2.6	5	660	2.7	5	16	65600	650	16	2820	655	2	140	13	690	32	4	18	1	1	24.2	79	1	1	1	11	1	4
15+0300W	0.7	46860	1	27	149	2.6	6	1830	2.8	6	14	79050	590	18	2540	403	2	190	17	910	27	4	18	1	1	23.9	107	1	1	1	10	2	4
15+0350W	0.2	25830	1	7	228	2.5	4	1010	2.3	5	17	51360	660	12	2460	999	2	110	11	2680	30	1	8	1	1	22.9	78	1	1	1	8	2	4
15+0400W	0.1	25550	1	9	146	2.2	4	720	2.3	4	12	56880	570	14	2550	946	3	90	9	870	28	2	12	1	1	31.5	81	1	1	1	6	2	4
15+0450W	0.3	32330	1	15	195	3.3	6	1090	3.2	7	20	62600	950	15	4510	757	3	100	15	920	35	4	19	1	1	32.4	92	1	1	1	9	3	5
15+0500W	0.2	26320	1	10	140	2.4	5	780	2.2	6	16	56100	520	14	2940	1567	2	110	12	990	34	2	13	1	1	27.9	70	1	1	1	7	3	4
15+0550W	0.1	18660	1	5	239	1.9	4	2550	2.1	4	15	45870	950	8	3120	1836	1	110	10	800	36	1	36	1	1	22.1	69	1	1	1	6	2	3
15+0600W	0.4	26660	1	10	221	2.4	4	2010	2.0	5	26	51780	930	10	3460	372	3	150	12	1460	23	2	27	1	1	24.8	60	1	1	1	7	1	3
15+0650W	0.2	25590	1	10	197	1.9	4	1350	2.1	6	13	63260	770	11	2310	1166	1	150	10	1020	24	1	19	1	1	23.5	100	1	1	1	5	2	2
15+0700W	0.6	28670	1	12	140	3.8	6	1440	2.5	6	32	59680	880	12	6500	495	4	110	14	430	45	4	25	1	1	47.1	59	1	1	1	10	3	4
15+0750W	0.5	24370	1	8	255	2.2	5	1890	2.2	5	19	61480	890	12	3410	1110	2	160	12	370	29	2	23	1	1	32.9	70	1	1	1	7	2	2
15+0800W	0.1	14990	1	1	289	1.7	3	670	1.2	3	8	37810	750	9	2350	978	1	90	7	2050	23	1	11	1	1	17.6	48	1	1	1	5	2	3
15+0850W	0.3	34130	1	17	170	2.2	5	1950	2.1	5	14	58790	610	13	2450	698	2	160	12	870	23	2	24	1	1	20.5	57	1	1	1	7	1	2
15+0900W	0.4	15360	1	2	134	2.5	3	1120	2.2	5	12	35600	750	11	3700	302	2	80	9	370	35	1	22	1	1	20.3	49	1	1	1	6	3	5
15+0950W	0.6	16140	1	2	70	3.1	3	13570	2.4	4	35	29960	810	9	4810	380	4	70	14	490	53	2	62	1	1	20.0	23	1	1	1	8	3	7
15+1000W	0.2	29040	1	10	148	3.9	5	2190	3.2	5	23	47450	1210	14	5710	151	4	120	13	370	44	3	24	1	1	25.1	55	1	1	1	9	2	5

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
16+0050E	0.1	11420	1	1	76	2.0	3	700	1.9	3	10	39840	530	6	3370	1405	1	90	7	490	23	1	11	1	1	23.2	58	1	1	1	5	2	3
16+0050E	0.4	26210	1	10	74	3.4	5	1260	2.6	6	45	62130	550	12	5900	402	3	100	11	1070	27	3	13	1	1	59.2	61	1	1	1	9	3	2
16+0100E	0.4	28020	1	11	163	4.2	5	980	2.3	6	43	55840	710	48	7570	383	5	120	16	670	45	4	16	1	1	56.3	59	1	1	1	11	3	11
16+0150E	0.5	30990	1	13	139	1.5	3	1170	1.1	4	10	70150	410	11	1790	582	1	210	8	1550	14	1	11	1	1	19.8	61	1	1	1	6	2	1
16+0200E	0.3	25140	1	9	140	2.3	4	1810	2.4	5	14	65550	680	17	5150	858	2	110	11	1340	24	1	14	1	1	32.3	97	1	1	1	7	2	5
16+0250E	0.3	42930	1	22	138	3.4	5	630	2.1	6	11	63140	540	17	4390	651	5	110	15	670	34	4	10	1	1	30.0	106	1	1	1	11	5	4
16+0300E	0.4	33980	1	15	127	2.7	4	790	1.7	5	10	67020	530	14	3030	247	2	110	12	1780	26	2	5	1	1	28.7	86	1	1	1	9	2	4
16+0350E	0.4	18310	1	3	152	3.4	4	740	2.2	4	18	35520	580	9	7700	326	4	40	12	270	33	3	17	1	1	37.9	47	1	1	1	8	3	8
16+0400E	0.4	29510	1	12	138	3.0	4	600	2.1	6	23	50800	610	11	4560	470	3	70	11	720	37	3	10	1	1	30.4	60	1	1	1	9	3	6
16+0450E	0.1	28720	1	11	226	2.8	4	600	1.6	5	9	51050	480	12	3320	1113	3	80	13	560	31	2	10	1	1	23.7	83	1	1	1	8	2	4
16+0500E	0.1	21720	1	5	210	2.7	3	890	2.0	4	8	36980	710	11	3110	940	4	60	11	530	36	2	16	1	1	20.5	100	1	1	1	7	3	7
16+0550E	0.2	30760	1	15	205	2.0	4	1640	1.9	4	12	63990	540	10	2450	1061	2	70	10	2700	26	1	7	1	1	17.3	80	1	1	1	7	2	3
16+0600E	0.2	27230	1	11	213	2.5	4	840	2.0	5	14	57670	520	16	3070	1370	2	80	14	2070	27	2	3	1	1	20.2	110	1	1	1	7	2	11
16+0650E	0.3	24370	1	8	228	3.0	4	1990	2.1	5	10	53980	610	11	3770	915	3	80	12	810	33	2	19	1	1	25.2	82	1	1	1	7	2	11
16+0700E	0.3	26840	1	10	209	2.7	4	990	2.3	5	11	58120	700	15	3710	580	2	100	13	780	31	2	12	1	1	23.8	109	1	1	1	7	3	8
16+0750E	0.2	17290	1	3	147	3.5	4	730	1.9	5	13	46080	750	12	4340	570	4	40	11	790	54	3	12	1	1	27.7	87	1	1	1	7	3	10
16+0800E	0.3	10490	1	1	81	2.8	4	1020	1.9	4	16	30390	690	4	4490	225	3	20	9	220	33	2	17	1	1	21.8	42	1	1	1	6	2	11
16+0850E	0.3	30260	1	15	294	3.9	6	2670	3.6	11	35	68440	1380	16	4710	1367	4	90	28	1220	98	5	30	1	1	27.6	183	1	1	1	11	3	10
16+0900E	0.3	29050	3	13	181	5.0	7	2730	3.7	14	72	73610	1410	20	5880	1333	5	60	23	710	93	6	34	1	1	47.2	179	1	1	1	12	3	12
16+0950E	0.1	29170	2	13	209	4.6	6	1690	3.3	12	44	64190	1360	17	4420	2188	5	70	22	560	100	6	25	1	1	30.5	151	1	1	1	11	4	9
16+1000E	0.1	28170	20	12	203	4.4	5	3740	3.2	11	35	47230	1820	12	3470	2044	6	40	20	900	137	6	40	1	1	19.7	140	1	1	1	10	4	7
16+1050E	0.1	23480	6	12	598	3.7	5	9370	6.3	9	46	61500	2160	16	3350	7611	4	120	28	1540	127	4	103	1	4	17.5	580	1	1	1	9	5	7
16+1100E	0.1	25180	11	11	286	4.4	5	3020	3.6	16	37	51070	1720	12	3700	3450	6	60	24	860	133	6	48	1	2	20.3	185	1	1	1	10	4	9
16+1150E	0.1	31390	11	15	192	5.6	7	920	3.5	16	44	74930	2590	33	6990	2324	8	50	34	810	112	7	23	1	1	32.2	184	1	1	1	12	4	30
16+1200E	0.1	22660	1	10	389	2.8	4	4310	2.1	9	19	52300	1970	21	3390	2296	4	150	21	1030	75	2	62	1	1	17.6	294	1	1	1	7	3	9
16+1250E	0.1	16400	1	6	396	1.6	3	4080	1.2	4	8	39480	1190	14	2360	1522	2	220	10	1110	41	1	61	1	1	12.0	208	1	1	1	4	2	7
16+1350E	0.3	23080	1	9	362	1.6	3	3760	1.2	5	12	55160	1250	15	2470	1087	1	280	16	1360	28	1	61	1	1	13.8	228	1	1	1	5	2	5
16+1400E	0.3	17870	1	5	372	1.7	3	2240	1.5	3	8	37440	1300	11	2340	612	2	210	12	670	29	1	47	1	1	14.6	185	1	1	1	5	2	7
16+1450E	0.5	27100	1	10	290	3.0	4	1740	2.1	5	21	39650	1400	14	3270	173	4	160	20	1430	37	2	29	1	1	16.1	117	1	1	1	8	2	8
16+1500E	0.4	28350	1	12	275	3.2	3	1920	2.0	6	19	44510	1460	15	3980	181	4	160	17	1040	45	2	29	1	1	19.4	123	1	1	1	9	3	9
16+1550E	0.8	27760	1	10	249	3.2	5	1650	2.6	6	25	48600	1340	12	3940	230	4	140	17	1250	41	3	23	1	1	20.4	110	1	1	1	7	3	8
16+1600E	0.5	26450	1	10	352	2.5	4	2240	2.1	5	13	56430	990	14	3390	702	2	160	14	880	33	2	36	1	1	20.2	146	1	1	1	7	2	6
16+0050W	0.3	42780	1	16	137	2.4	5	920	2.3	7	15	84550	390	17	1480	434	1	180	10	890	31	1	6	1	1	23.4	68	1	1	1	8	1	1
16+0100W	0.1	21480	1	2	176	1.7	4	790	1.1	6	12	66910	620	15	1770	1251	1	150	10	790	23	1	11	1	1	25.4	84	1	1	1	6	1	1
16+0150W	0.1	33900	1	9	237	2.0	3	810	2.1	6	17	69450	540	18	1860	840	1	170	17	470	19	1	8	1	1	24.4	122	1	1	1	6	1	1
16+0200W	0.3	42610	1	18	139	3.2	6	800	3.1	10	22	80870	750	21	2830	629	2	180	22	730	25	3	6	1	1	27.9	107	1	1	1	8	1	3
16+0250W	0.1	39070	1	15	198	4.6	6	720	3.6	9	33	64830	1090	20	3400	839	3	150	26	1430	41	4	9	1	1	37.3	116	1	1	1	12	1	9
16+0300W	0.2	26540	1	4	173	3.7	4	580	3.2	10	39	44100	770	13	4490	244	3	70	21	430	36	2	11	1	1	28.8	118	1	1	1	9	1	6
16+0350W	0.2	33230	1	11	104	2.2	4	940	2.4	4	12	56170	720	13	1950	162	1	110	9	740	18	1	7	1	1	23.9	96	1	1	1	6	1	2
16+0400W	0.1	37240	1	12	133	1.9	4	720	2.5	4	19	66630	460	15	2130	1164	1	160	9	2350	19	1	2	1	1	24.7	106	1	1	1	5	1	1
16+0450W	0.3	28970	1	7	198	2.2	5	1530	2.2	5	17	69990	820	15	2950	1001	1	180	12	1770	23	2	12	1	1	32.5	84	1	1	1	8	2	6
16+0500W	0.1	28840	1	9	182	2.7	5	1570	2.3	6	21	63800	860	15	3650	1347	1	150	11	950	23	2	18	1	1	34.9	73	1	1	1	9	1	3
16+0550W	0.1	38180	1	14	201	2.5	4	1710	2.6	6	23	68540	760	15	3020	984	1	200	14	930	21	2	19	1	1	26.2	82	1	1	1	9	1	1
16+0600W	0.1	15750	1	1	278	1.8	4	1600	1.2	5	9	51650	890	11	2570	1175	1	140	8	1110	20	1	25	1	1	27.0	75	1	1	1	6	1	2
16+0650W	0.3	30630	1	9	226	2.7	5	940	2.2	6	16	80120	900	19	2650	584	1	180	11	1890	25	2	7	1	1	33.5	78	1	1	1	7	1	1
16+0700W	0.3	20590	1	1	121	1.3	3	1000	2.0	4	15	58010	760	13	2440	334	1	160	9	270	19	1	15	1	1	26.8	56	1	1	1	5	1	2
16+0750W	0.3	30020	1	8	236	2.2	5	1690	2.0	6	18	68940	960	18	3640	853	1	220	11	990	24	2	23	1	1	29.4	97	1	1	1	6	1	3
16+0800W	0.1	9720	1	1	72	2.4	3	370	1.3	2	10	18850	590	4	5970	153	3	10	7	240	28	1	13	1	1	17.5	29	1	1	1	7	2	4
16+0850W	0.1	32280	1	9	290	3.3	4	1300	3.5	5	16	49420	1240	16	5260	478	3	160	12	1420	33	3	21	1	1	21.7	152	1	1	1	8	2	5
16+0900W	0.1	19050	1	1	103	2.9	3	1230	2.1	5	13	36610	650	13	3940	94	2	80	10	270	27	1	20	1	1	19.2	87	1	1	1	8	3	4

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Th	U	V	Zn	Ge	Sn	W	Cr
																					Sb					Ga	Se			
17+0050E	0.4	38550	1	18	208	1.8	5	1320	1.3	5	12	76810	470	11	1800	1088	1	210	9	3120	17	1	4	1	1	17.9	114	1	1	1	9	1	1
17+0100E	0.7	45390	1	22	93	2.8	6	640	2.1	5	10	82360	360	11	1710	327	3	140	7	2180	24	4	1	1	1	26.6	71	1	1	1	11	3	1
17+0150E	0.7	34680	1	15	125	3.9	5	1660	3.4	6	20	56070	600	17	4910	264	5	80	13	950	35	5	23	1	1	40.3	100	1	1	1	11	4	7
17+0200E	0.6	35800	1	16	104	3.3	6	910	2.4	6	20	81990	520	16	3410	349	3	130	11	1430	34	4	5	1	1	40.1	73	1	1	1	11	3	4
17+0250E	1.7	31200	1	12	181	2.0	5	640	1.4	5	12	73860	320	10	2390	745	2	140	9	880	76	2	5	1	1	25.6	76	1	1	1	7	2	1
17+0300E	0.3	27660	1	9	149	2.2	4	1190	1.2	4	8	50850	380	8	3040	585	3	90	10	960	18	2	14	1	1	23.6	60	1	1	1	8	2	2
17+0350E	0.6	32930	1	14	154	2.7	4	1160	2.3	5	11	62560	460	14	3380	308	3	120	13	970	33	2	6	1	1	26.1	116	1	1	1	9	2	4
17+0400E	0.1	14240	1	1	101	2.8	3	770	2.0	4	9	25120	420	9	5300	318	4	30	9	1560	25	2	9	1	1	28.3	52	1	1	1	6	2	6
17+0450E	0.6	39670	1	16	172	3.0	4	780	2.3	6	14	61560	560	15	3310	275	2	120	17	1050	26	3	7	1	1	23.7	111	1	1	1	10	3	4
17+0500E	0.6	35870	1	13	179	2.6	4	910	2.4	5	17	58610	500	10	3320	744	3	110	11	1110	33	3	8	1	1	24.0	82	1	1	1	10	2	3
17+0550E	0.4	28930	1	9	124	3.1	4	1190	2.0	5	19	55110	580	9	3860	693	4	80	11	900	40	2	14	1	1	26.2	58	1	1	1	9	2	5
17+0600E	0.3	20830	1	3	188	3.1	4	1140	3.1	5	12	39900	610	13	4830	603	4	80	12	270	39	2	20	1	1	31.4	106	1	1	1	8	2	15
17+0650E	0.2	22550	1	3	110	1.9	2	670	.8	4	6	43740	430	7	1750	326	2	90	10	1330	17	1	7	1	1	17.1	60	1	1	1	6	2	3
17+0700E	0.3	30580	1	9	159	2.0	3	760	1.8	5	9	59310	490	10	2180	559	2	120	13	990	16	1	9	1	1	18.0	73	1	1	1	7	1	4
17+0750E	0.3	30030	1	10	210	2.8	4	1040	1.7	5	14	54710	590	10	3770	961	4	80	11	850	38	3	13	1	1	26.0	64	1	1	1	8	2	8
17+0800E	0.2	22040	1	4	238	2.5	4	1200	2.1	5	13	44920	650	8	3820	1841	3	80	12	810	34	2	16	1	1	23.1	76	1	1	1	8	3	9
17+0850E	0.5	31070	1	10	143	3.2	4	940	2.3	6	19	61340	730	13	3870	221	3	90	21	810	38	3	13	1	1	24.8	119	1	1	1	8	3	9
17+0900E	0.1	21060	1	3	253	2.6	3	1440	2.1	5	10	42250	890	9	3330	684	3	80	15	1110	36	2	20	1	1	18.3	90	1	1	1	7	3	7
17+0950E	0.3	20620	1	7	466	3.4	5	6460	4.0	12	36	55960	1560	15	4130	2098	4	100	21	1590	94	3	90	1	1	24.2	205	1	1	1	9	3	8
17+1000E	0.4	15590	1	2	183	3.4	5	2120	2.5	6	19	37370	1040	12	3610	779	5	50	11	710	70	3	32	1	1	22.9	111	1	1	1	8	3	9
17+1050E	0.7	25950	1	12	151	3.6	6	2450	2.9	8	37	50700	1120	16	4450	627	6	80	18	670	75	5	23	1	1	25.1	148	1	1	1	9	3	11
17+1100E	0.3	28980	4	12	239	4.4	6	4090	4.1	13	56	60240	1740	13	3910	2178	5	100	27	690	123	6	57	1	2	21.7	184	1	1	1	12	4	9
17+1150E	0.3	25780	15	10	182	4.6	6	2600	2.2	13	50	58900	1690	17	6050	1317	7	60	25	1150	117	6	38	1	1	32.5	154	1	1	1	12	4	29
17+1200E	0.1	25080	1	7	260	4.6	6	2860	2.5	11	35	45770	1280	14	4610	1198	5	50	21	1450	94	5	34	1	1	24.9	150	1	1	1	11	4	12
17+1250E	0.5	29450	1	12	347	3.3	5	4010	2.9	9	38	65350	1890	15	4200	1183	4	160	24	3120	82	4	55	1	1	18.1	206	1	1	1	9	4	10
17+1300E	0.1	19880	1	5	544	2.2	4	2590	1.6	5	11	44040	1520	11	2690	2524	3	170	16	1860	53	1	47	1	1	13.1	206	1	1	1	6	2	6
17+1350E	0.3	20040	1	5	364	1.7	3	2420	1.3	4	11	43060	1040	13	2240	545	1	200	13	1930	34	1	47	1	1	11.3	137	1	1	1	5	2	4
17+1400E	0.1	20620	1	5	456	2.5	3	2140	1.6	5	10	38910	1360	11	2780	1041	3	130	14	1190	44	1	32	1	1	14.4	131	1	1	1	7	2	6
17+1450E	0.2	12480	1	1	330	2.2	3	3230	2.4	4	14	28500	1350	9	3120	1234	3	80	9	750	44	1	50	1	1	13.2	131	1	1	1	6	2	7
17+1500E	0.6	26210	1	9	350	2.2	4	2770	1.7	5	16	49820	1200	14	2580	233	3	190	15	1750	62	2	43	1	1	11.7	167	1	1	1	7	2	4
17+1540E	0.6	31060	1	11	363	1.8	5	2670	1.7	5	16	70950	820	16	2450	785	1	250	15	2840	45	2	29	1	1	12.9	175	1	1	1	6	1	3

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Th	U	V	Zn	Ge	Sn	W	Cr
																					Sb					Ga	Se			
17+0100W	0.2	32930	1	10	152	2.7	3	870	1.9	5	19	49680	730	17	2950	320	2	110	12	750	23	2	10	1	1	20.8	64	1	1	1	9	2	4
17+0150W	0.1	22710	1	2	145	2.6	2	950	2.1	5	10	40780	680	13	2350	775	2	80	12	1440	28	1	9	1	1	21.6	73	1	1	1	7	1	3
17+0200W	0.5	40850	1	17	143	6.0	7	1200	3.5	10	56	65950	1610	27	4680	605	5	160	36	750	56	7	17	1	1	34.4	105	1	1	1	15	2	11
17+0250W	0.6	34350	1	11	115	3.1	5	770	2.2	7	24	74290	770	16	2550	219	1	190	16	860	38	2	8	1	1	27.0	86	1	1	1	9	1	4
17+0300W	0.5	57200	1	27	119	3.2	5	790	3.1	7	25	69920	470	17	2090	330	3	200	16	1120	23	4	3	1	1	20.5	89	1	1	1	8	1	3
17+0350W	0.2	25620	1	4	90	2.7	3	550	1.8	3	11	57630	390	11	2040	243	1	90	9	850	22	1	7	1	1	33.4	54	1	1	1	7	1	4
17+0400W	0.4	52100	1	28	92	4.8	7	660	4.1	8	25	80960	600	24	4150	374	4	100	20	1410	40	5	2	1	1	54.2	116	1	1	1	15	2	3
17+0450W	0.1	16290	1	1	223	2.1	4	970	3.2	5	12	62450	720	11	2230	4152	1	100	11	1810	29	1	20	1	1	30.7	139	1	1	1	7	1	1
17+0500W	0.1	29770	1	10	204	2.9	4	1310	2.7	7	12	61420	730	15	2500	2493	3	140	21	2220	36	1	13	1	1	26.9	86	1	1	1	8	1	2
17+0550W	0.1	32260	1	12	194	3.7	5	880	2.1	7	18	61830	800	21	4200	211	4	120	17	1230	30	3	11	1	1	36.0	96	1	1	1	9	1	3
17+0600W	0.2	20050	1	2	123	3.2	4	560	1.9	5	23	39630	800	8	4140	219	3	70	17	360	36	2	13	1	1	21.0	51	1	1	1	8	1	4
17+0650W	0.1	25480	1	8	207	2.6	3	1480	2.6	6	17	56950	980	12	3530	1318	2	140	17	970	30	1	16	1	1	26.6	88	1	1	1	7	1	2
17+0700W	0.1	15880	1	1	177	2.3	2	890	2.0	4	15	31220	760	8	3320	724	2	80	9	170	31	1	16	1	1	25.2	40	1	1	1	5	1	3
17+0750W	0.1	37400	1	17	294	3.3	4	1800	2.2	8	28	66220	1800	20	4160	1140	3	180	18	430	45	3	22	1	1	30.4	87	1	1	1	8	1	5
17+0800W	0.2	26410	1	10	162	2.5	3	1390	2.4	6	18	53760	880	16	3740	279	2	150	15	800	30	1	16	1	1	24.7	85	1	1	1	6	1	3
17+0850W	0.1	11320	1	1	208	2.2	2	630	1.7	5	9	22620	920	6	3980	1831	3	40	11	340	33	1	17	1	1	16.4	58	1	1	1	5	2	4
17+0900W	0.3	25870	1	9	183	3.0	3	1410	2.4	5	12	48590	1120	15	3620	535	2	120	13	2270	37	1	13	1	1	21.6	110	1	1	1	7	1	4
17+0950W	0.3	30200	1	10	183	3.6	4	930	2.8	6	23	54540	1250	16	4180	328	4	130	17	1360	44	3	13	1	1	23.6	90	1	1	1	8	1	4
17+1000W	0.3	40770	1	19	198	3.8	5	1880	3.3	7	25	77550	1220	22	3610	504	3	210	19	1540	38	4	26	1	1	25.0	109	1	1	1	8	1	2

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
18+0050E	0.2	21620	1	4	232	2.2	4	1100	1.4	4	5	57160	550	8	2150	893	2	120	7	1470	24	1	9	1	1	20.4	87	1	1	1	7	2	2
18+0100E	0.5	26550	1	10	183	2.9	4	1780	2.2	5	15	50710	550	11	3200	941	3	120	8	1210	33	3	17	1	1	25.7	77	1	1	1	8	3	5
18+0150E	0.8	36730	1	15	104	3.1	5	1260	1.9	6	12	68980	420	12	3080	206	4	130	11	1580	31	4	9	1	1	37.5	81	1	1	1	11	3	3
18+0200E	0.6	40630	1	21	103	3.0	5	1120	3.8	6	26	60740	470	14	3650	344	3	70	11	1250	38	2	1	1	1	30.6	72	1	1	1	11	1	2
18+0250E	0.6	48490	1	25	102	2.9	6	1310	3.4	6	18	73220	450	15	2530	543	1	120	11	1130	30	1	1	1	1	24.2	82	1	1	1	10	1	1
18+0300E	0.5	29890	1	12	122	4.1	5	770	3.3	6	25	47310	530	18	6820	278	4	70	19	640	33	3	11	1	1	41.5	115	1	1	1	11	2	10
18+0350E	0.8	36300	1	15	126	2.8	4	820	2.7	5	20	65580	470	16	4640	376	1	140	12	1180	19	1	4	1	1	32.2	93	1	1	1	9	1	2
18+0400E	0.6	30860	1	12	157	2.7	4	1060	2.9	5	23	61570	610	13	5660	606	1	160	14	620	22	1	11	1	1	33.4	67	1	1	1	8	1	3
18+0450E	1.0	41440	1	20	206	1.8	4	930	2.4	5	25	82910	610	19	2790	885	1	250	16	1510	13	1	3	1	1	22.7	160	1	1	1	8	1	1
18+0500E	0.5	23440	1	6	171	2.0	5	740	2.7	7	18	69260	540	17	2540	1277	1	130	10	1700	27	1	4	1	1	28.3	153	1	1	1	6	1	3
18+0550E	0.7	35060	1	15	141	1.8	3	920	2.0	4	18	70770	520	13	2220	590	1	210	11	1400	19	1	4	1	1	19.3	124	1	1	1	6	1	1
18+0600E	0.2	21180	1	4	176	1.2	3	1240	1.8	4	13	62780	590	14	2390	1725	1	200	10	520	19	1	16	1	1	20.1	137	1	1	1	4	1	2
18+0650E	0.6	34980	1	15	192	1.5	5	1400	2.4	5	15	73720	580	18	2360	1208	1	250	15	1560	12	1	11	1	1	18.1	136	1	1	1	6	1	3
18+0700E	0.5	32340	1	13	197	1.9	5	1280	2.9	5	21	77270	790	19	3360	1592	1	180	12	2090	25	1	6	1	1	26.0	117	1	1	1	7	1	7
18+0750E	0.4	13850	1	1	66	2.7	4	1150	2.8	5	22	41430	650	10	7650	404	2	20	11	460	39	2	13	1	1	32.1	41	1	1	1	6	2	22
18+0800E	0.4	19340	1	3	140	2.3	3	1170	2.8	4	19	46740	810	10	4370	312	1	80	12	620	27	1	15	1	1	23.2	68	1	1	1	6	1	12
18+0850E	0.7	34130	1	16	232	1.6	4	2460	3.2	5	20	80510	1060	20	3200	727	1	290	19	820	17	1	27	1	1	20.1	162	1	1	1	6	1	2
18+0900E	0.4	20390	1	7	182	2.7	4	1470	2.5	6	20	49420	980	15	4150	607	2	80	16	370	45	2	18	1	1	22.7	106	1	1	1	6	2	9
18+0950E	0.5	37550	1	19	160	4.5	6	1680	4.0	14	57	76900	1520	22	4910	1227	3	90	36	620	67	5	22	1	1	28.5	175	1	1	1	10	3	9
18+1000E	0.5	33330	1	18	287	4.7	7	4040	6.0	10	47	71860	2410	23	5170	1784	3	100	26	640	130	6	52	1	1	28.1	253	1	1	1	12	3	11
18+1050E	0.3	32640	1	16	188	4.6	6	2540	3.9	12	41	66780	1610	22	4890	1407	3	80	26	1190	85	5	38	1	1	28.1	162	1	1	1	11	3	9
18+1100E	0.5	26000	8	10	119	5.3	5	1830	4.0	11	44	50770	1370	16	3940	707	6	50	22	620	107	5	29	1	1	23.9	191	1	1	1	11	4	9
18+1150E	0.1	28370	11	13	498	4.6	6	5820	5.3	15	41	66760	1720	18	3720	7464	5	80	21	1130	113	5	54	1	1	23.5	230	1	1	1	11	4	7
18+1200E	0.1	25720	1	33	579	3.5	5	5720	5.2	10	46	61840	2150	20	3990	3805	3	160	23	1250	127	4	68	1	1	19.9	299	1	1	1	8	2	8
18+1250E	0.1	31710	1	16	467	4.4	7	3620	4.4	12	40	69070	2280	21	4540	2837	3	130	26	1210	124	5	51	1	1	25.1	288	1	1	1	10	3	10
18+1300E	0.3	19310	1	5	339	2.5	4	2210	2.4	5	19	46270	1780	17	3030	896	2	170	15	380	50	1	44	1	1	17.2	220	1	1	1	6	2	7
18+1350E	0.1	18220	1	4	453	1.5	3	2980	1.8	5	14	41940	1790	15	2200	1368	1	190	11	700	46	1	66	1	1	15.6	260	1	1	1	5	2	4
18+1400E	0.1	21810	1	5	411	2.6	4	2430	2.9	5	19	47280	1230	16	3330	1842	1	130	14	1070	44	2	39	1	1	18.0	148	1	1	1	7	2	6
18+1450E	0.1	18510	1	3	457	2.3	4	2580	2.3	5	12	44350	1070	12	2960	2245	1	120	13	2020	37	1	42	1	1	15.1	144	1	1	1	6	2	5
18+1500E	0.3	23250	1	7	434	2.0	4	1990	2.4	5	12	54960	1050	17	3240	1287	1	180	15	910	29	1	30	1	1	18.7	178	1	1	1	6	2	6
18+0050W	0.5	35850	1	15	204	2.2	3	1380	2.2	5	17	74190	620	19	2320	834	1	210	13	760	29	1	11	1	1	24.5	95	1	1	1	6	1	2
18+0100W	1.0	47830	1	23	96	2.4	4	750	2.4	6	23	70000	640	15	1920	206	2	220	14	690	18	2	4	1	1	20.1	72	1	1	1	7	1	2
18+0150W	0.9	48710	1	25	148	4.7	6	1090	3.1	7	55	84770	1330	30	4020	289	5	210	51	1060	58	6	8	1	1	28.9	91	1	1	1	11	2	7
18+0200W	0.3	32740	1	13	107	2.5	5	1140	2.0	5	24	79690	770	17	2270	521	1	220	17	1790	21	1	8	1	1	28.5	79	1	1	1	7	1	2
18+0250W	0.8	43890	1	21	119	4.2	6	1260	3.6	5	49	83420	1010	18	3720	104	4	180	25	1050	37	5	11	1	1	37.8	76	1	1	1	9	1	4
18+0300W	0.7	39510	1	17	168	4.0	5	1020	3.2	9	53	74010	910	14	6220	251	3	180	16	430	39	4	12	1	1	60.0	68	1	1	1	10	1	2
18+0350W	0.1	36320	1	17	172	3.0	6	1460	2.4	7	21	81600	940	18	3910	1896	1	190	13	2020	28	3	11	1	1	47.5	130	1	1	1	9	1	1
18+0400W	0.3	31620	1	13	202	4.5	7	1980	3.2	9	61	88300	1500	17	5720	1276	3	190	18	600	38	5	20	1	1	85.3	119	1	1	1	11	3	1
18+0450W	0.3	29480	1	11	165	2.7	4	1510	2.3	5	18	58370	730	13	3070	616	1	170	13	490	25	1	23	1	1	23.2	67	1	1	1	7	1	2
18+0500W	0.5	29160	1	9	177	2.4	3	810	2.3	5	22	56170	730	12	2670	325	1	170	15	410	24	1	13	1	1	22.0	65	1	1	1	6	1	2
18+0550W	0.5	37760	1	18	162	2.6	4	2100	2.5	6	18	71080	900	17	3230	641	2	230	19	610	26	2	27	1	1	23.1	78	1	1	1	8	1	2
18+0600W	0.8	36230	1	15	228	2.8	4	1720	2.2	6	21	66370	970	15	3570	540	2	240	13	920	26	2	23	1	1	23.7	60	1	1	1	7	1	3
18+0650W	0.8	30210	1	11	175	2.7	5	1060	2.5	6	21	62800	810	14	3620	554	2	170	14	600	33	2	15	1	1	25.7	76	1	1	1	7	1	2
18+0700W	0.6	25150	1	6	172	2.8	4	1320	2.1	5	17	42950	760	13	4260	245	3	110	12	600	32	2	22	1	1	24.2	81	1	1	1	7	1	4
18+0750W	0.6	10930	1	1	110	2.6	3	300	2.3	4	12	25810	400	9	3470	397	3	30	7	280	33	1	13	1	1	15.8	51	1	1	1	6	2	4
18+0800W	0.1	8640	1	1	121	2.2	2	390	1.2	3	11	17010	400	5	2620	259	2	30	8	320	27	1	13	1	1	13.6	42	1	1	1	5	1	2
18+0850W	0.1	11690	1	1	143	2.7	3	460	1.4	3	14	23100	490	7	3120	324	3	30	9	330	35	1	15	1	1	13.7	49	1	1	1	6	1	3
18+0950W	0.8	28550	1	9	214	3.5	4	1300	2.5	6	19	48180	670	15	3690	417	3	110	12	760	28	2	15	1	1	21.6	99	1	1	1	9	2	5

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
19+0050E	0.5	33800	1	13	147	2.9	5	580	2.2	6	16	48930	460	13	2260	533	3	110	9	1140	26	2	4	1	1	18.4	86	1	1	1	9	2	5
19+0100E	0.4	21510	1	6	103	4.9	4	1240	3.5	5	28	33620	560	15	7500	273	4	40	15	1040	42	3	9	1	1	40.0	66	1	1	1	11	3	9
19+0150E	0.6	26000	5	10	97	5.9	6	1440	4.4	8	59	49800	870	38	8450	653	5	60	25	350	54	4	20	1	1	54.3	90	1	1	1	13	3	18
19+0200E	0.7	35810	1	15	161	2.7	5	1050	2.7	5	40	73050	460	12	3610	391	1	220	10	1290	18	1	6	1	1	35.0	74	1	1	1	8	1	1
19+0250E	0.6	26230	1	9	103	3.4	6	1130	2.2	6	34	73200	670	14	6690	228	2	100	13	440	20	1	11	1	1	55.4	66	1	1	1	9	2	2
19+0300E	0.7	26140	1	8	118	3.5	5	820	2.5	6	32	58790	670	14	4940	343	2	100	13	410	29	1	9	1	1	42.1	62	1	1	1	8	2	5
19+0350E	0.3	42500	15	22	138	8.9	8	2310	5.8	10	111	63330	1640	50	13570	1999	7	130	35	700	139	8	28	1	1	70.0	103	1	1	1	19	4	16
19+0400E	0.6	19400	18	5	92	5.8	5	520	3.5	5	28	41760	740	15	9180	249	5	30	16	450	49	5	13	1	1	50.0	65	1	1	1	12	3	9
19+0450E	0.7	37310	1	17	192	1.7	4	750	2.7	5	17	93930	390	14	1960	1080	1	230	12	1370	18	1	2	1	1	25.1	113	1	1	1	6	1	1
19+0500E	0.6	34810	1	15	170	2.7	5	880	2.8	7	13	69650	520	16	2530	525	1	160	19	1070	22	1	5	1	1	24.9	188	1	1	1	8	1	1
19+0550E	0.4	30260	1	11	134	2.3	4	1080	2.0	5	14	64070	510	14	2420	1119	1	130	11	1430	27	1	5	1	1	23.4	110	1	1	1	7	1	3
19+0600E	0.3	32120	1	13	315	2.3	5	990	3.3	5	17	68210	600	14	3230	2329	1	190	16	800	25	1	8	1	1	25.1	151	1	1	1	7	1	6
19+0650E	0.7	33990	1	15	110	2.4	5	960	2.4	5	14	79210	520	17	2370	410	1	160	13	1970	18	1	2	1	1	27.9	83	1	1	1	8	1	4
19+0700E	0.8	34180	1	15	116	2.9	5	1250	2.7	6	26	72920	640	31	4250	249	1	160	24	940	25	1	8	1	1	32.5	90	1	1	1	9	2	13
19+0750E	0.5	25560	1	7	180	2.5	4	1420	1.9	4	13	57890	640	18	2910	195	1	100	12	2810	25	1	4	1	1	24.5	98	1	1	1	7	1	6
19+0800E	0.4	17030	1	4	119	2.3	3	2790	2.5	5	28	44800	910	27	4720	1047	1	130	13	220	39	1	24	1	1	28.6	70	1	1	1	6	1	15
19+0850E	0.2	23860	1	8	231	1.7	4	1590	2.5	4	14	65630	870	19	3280	1167	1	200	16	2000	18	1	11	1	1	18.3	175	1	1	1	5	1	7
19+0900E	0.2	20740	1	6	290	2.2	5	1770	2.5	6	29	70310	880	19	2900	1480	1	220	15	1400	85	1	19	1	1	20.1	208	1	1	1	6	2	3
19+0950E	0.5	26320	1	9	195	2.2	4	1390	2.7	5	17	58930	1020	14	3490	395	1	150	23	520	36	1	19	1	1	21.4	138	1	1	1	7	1	5
19+1000E	0.3	25330	1	10	188	3.0	5	2440	3.1	8	28	60010	1770	15	4360	1281	2	80	17	570	58	1	32	1	1	23.6	112	1	1	1	7	2	8
19+1050E	0.3	30690	1	15	384	4.3	6	6730	6.2	13	59	71840	2910	25	5320	2139	3	90	25	2080	121	4	69	1	2	27.7	244	1	1	1	11	4	12
19+1100E	0.1	29200	1	14	381	3.7	5	3170	4.4	9	30	63130	2020	18	4460	1895	3	110	25	680	86	3	44	1	1	22.5	169	1	1	1	9	3	7
19+1150E	0.6	31270	1	17	120	5.1	6	1830	4.4	11	49	65870	1600	18	3950	1203	5	90	36	580	149	5	28	1	1	22.5	260	1	1	1	12	3	7
19+1200E	0.3	31100	14	16	161	6.1	7	2470	5.1	17	65	70970	1660	19	4390	2219	6	80	37	810	153	8	35	1	1	25.0	207	1	1	1	13	4	10
19+1250E	0.1	35220	1	19	294	4.9	7	2960	5.1	15	52	84110	1780	19	4360	3540	3	110	29	1170	124	5	30	1	1	27.0	205	1	1	1	12	3	6
19+1300E	0.3	24220	1	10	243	3.4	5	3720	3.1	7	28	54630	1790	15	4010	1421	2	80	21	450	62	2	46	1	1	19.9	148	1	1	1	7	2	8
19+1350E	0.3	27720	1	13	245	3.6	4	1520	3.2	8	27	50750	1530	16	3930	698	3	90	23	2130	55	2	33	1	1	18.9	150	1	1	1	8	2	7
19+1400E	0.7	29860	1	14	292	1.8	4	3200	2.3	5	15	62430	1320	14	2520	447	1	260	21	2610	26	1	51	1	1	14.4	176	1	1	1	6	1	3
19+1450E	0.2	16190	1	3	371	1.8	3	3310	1.7	5	14	39740	1470	9	2400	1901	2	120	13	1890	37	1	61	1	1	14.7	130	1	1	1	5	2	5
19+1500E	0.1	17120	1	4	455	1.6	3	2530	2.1	4	12	45350	880	15	2380	2300	1	170	11	1780	26	1	26	1	1	15.2	211	1	1	1	3	2	5
19+1550E	0.4	29500	1	14	212	3.3	4	2010	2.7	5	23	48500	1320	16	3880	271	3	150	17	740	33	1	23	1	1	18.8	107	1	1	1	7	1	6
19+1600E	0.6	27270	1	14	292	2.9	4	2160	2.7	6	17	51600	1330	19	4050	255	1	150	19	760	29	1	28	1	1	20.2	138	1	1	1	6	2	7
19+1650E	0.5	26670	1	12	479	1.9	4	2510	2.4	5	12	65990	1230	18	3270	993	1	230	14	1990	29	1	36	1	1	18.7	234	1	1	1	5	1	4
19+0100W	0.6	53120	1	28	112	3.2	5	730	2.3	6	28	86360	650	26	2390	223	2	230	18	1060	29	3	4	1	1	27.6	64	1	1	1	10	1	2
19+0150W	0.3	40430	1	16	104	1.4	2	560	2.0	3	24	48610	710	16	2740	44	2	200	11	340	20	1	7	1	1	15.8	27	1	1	1	5	1	3
19+0200W	0.5	51240	1	24	94	3.1	4	690	2.4	5	22	75510	510	17	3060	92	2	240	8	870	18	3	4	1	1	31.8	71	1	1	1	7	1	2
19+0250W	0.4	16940	1	8	56	2.8	4	410	1.9	4	21	32590	720	6	6870	103	2	60	7	170	29	2	18	1	1	41.3	31	1	1	1	8	3	2
19+0300W	0.1	29650	1	8	115	5.4	7	770	4.3	9	67	79660	1000	15	11850	303	4	70	16	630	38	6	11	1	1	106.2	73	1	1	1	14	4	1
19+0350W	0.4	37410	1	16	156	3.6	6	1310	2.8	10	36	89440	770	19	7190	899	2	180	15	1400	37	4	13	1	1	74.0	87	1	1	1	12	2	2
19+0400W	0.1	32580	1	16	208	3.5	6	1440	2.8	8	35	81930	1100	16	4800	1067	2	200	12	700	33	3	21	1	1	51.6	81	1	1	1	9	1	2
19+0450W	0.5	28950	1	9	161	2.7	4	920	2.4	5	17	62500	900	16	3550	470	2	150	14	1290	27	2	15	1	1	24.5	96	1	1	1	7	1	3
19+0500W	0.1	34050	1	14	185	2.8	4	810	2.4	7	15	62700	680	17	2740	593	1	170	12	1310	28	2	13	1	1	23.8	87	1	1	1	7	1	2
19+0550W	0.1	30200	1	11	226	2.1	4	1770	1.4	6	14	65480	670	12	2130	1457	1	180	11	930	32	1	25	1	1	20.8	93	1	1	1	6	1	1
19+0600W	0.2	26240	1	8	175	3.2	4	1410	2.3	6	18	51680	900	15	4040	522	3	140	20	470	38	2	28	1	1	19.8	61	1	1	1	7	1	4
19+0650W	0.2	16580	1	1	120	3.4	4	390	2.9	5	19	37170	670	11	4160	160	4	100	11	440	38	2	13	1	1	17.7	58	1	1	1	8	2	5
19+0700W	0.2	20350	1	4	156	3.1	3	720	2.3	5	15	37760	720	10	3250	491	3	100	13	470	40	2	15	1	1	14.6	68	1	1	1	8	1	4
19+0750W	0.2	31270	1	10	210	3.4	3	890	2.1	7	15	54380	820	16	3030	286	2	130	16	2490	36	2	10	1	1	21.4	74	1	1	1	7	2	4
19+0800W	0.5	32010	1	12	184	3.0	4	790	2.5	6	22	59280	670	14	2880	162	2	160	17	490	38	2	13	1	1	18.8	88	1	1	1	7	2	2
19+0850W	0.5	24880	1	6	264	2.3	3	1210	2.1	6	12	54230	830	15	2610	479	1	160	15	420	32	1	18	1	1	21.2	122	1	1	1	6	1	3
19+0900W	0.6	29850	1	11	236	3.6	7	1090	2.9	7	21	87480	1280	26	3500	487	1	160	18	1360	52	4	15	1	1	31.0	149	1	1	1	10	2	5
19+0950W	0.5	28620	1	10	192	3.5	5	740	2.9	6	34	55990	1070	16	3940	451	4	120	16	330	46	3	15	1	1	26.1	69	1	1	1	8	1	6
19+1000W	0.1	32980	1	12	212	2.6	4	1470	2.2	6	14	60460	910	19	3350	895	1	190	14	2070	28	2	15	1	1	23.3	120	1	1	1	7	1	5

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
20+0050E	0.6	30650	1	13	169	3.4	5	940	2.7	6	34	57210	850	14	5400	484	3	100	15	620	33	2	10	1	1	45.9	83	1	1	1	9	2	5
20+0100E	0.7	34520	1	16	221	3.2	6	940	2.6	6	21	76140	760	19	4340	581	1	160	14	800	29	2	6	1	1	45.6	154	1	1	1	9	2	4
20+0150E	0.1	28540	1	14	184	3.3	5	1140	3.5	5	30	67400	880	17	4360	2133	2	140	15	1120	33	2	9	1	1	43.4	107	1	1	1	8	2	9
20+0200E	0.3	18950	1	5	120	3.5	4	750	3.1	5	16	40670	680	13	5580	624	3	60	12	470	35	2	10	1	1	44.1	92	1	1	1	8	3	7
20+0250E	0.9	51010	1	28	135	2.8	5	920	3.0	6	20	79200	650	18	2440	520	1	210	12	720	19	1	2	1	1	19.5	151	1	1	1	8	1	2
20+0300E	0.8	39760	1	20	241	2.7	5	920	3.4	7	19	76620	570	16	2940	513	1	180	12	900	28	1	5	1	1	27.8	101	1	1	1	8	1	2
20+0350E	0.6	17000	1	2	112	4.1	5	480	3.4	6	26	41760	600	10	5450	395	3	40	12	1570	46	3	7	1	1	40.8	54	1	1	1	9	3	7
20+0400E	0.6	24990	1	10	166	3.5	5	1960	3.6	6	26	53200	1210	12	5950	545	3	140	13	1620	33	3	20	1	1	35.7	98	1	1	1	8	3	7
20+0450E	0.3	21020	1	7	172	2.4	4	980	2.4	6	16	53090	830	16	3950	704	2	160	13	550	25	1	13	1	1	31.9	111	1	1	1	6	2	4
20+0500E	0.5	14150	1	1	71	2.9	4	1180	2.1	5	22	40980	960	11	7180	214	3	20	13	210	28	1	15	1	1	29.2	43	1	1	1	7	2	24
20+0550E	0.4	18140	1	6	130	3.0	3	2070	2.4	4	25	33820	1340	19	4920	464	3	70	15	310	37	1	20	1	1	25.4	84	1	1	1	7	2	14
20+0600E	0.5	25410	1	11	211	3.8	4	2140	2.6	5	29	47760	1460	20	5090	594	3	80	19	770	36	3	17	1	1	29.0	101	1	1	1	8	2	17
20+0650E	0.1	27480	1	12	471	3.4	5	1730	3.6	10	82	54090	1410	17	4910	2904	3	90	16	1500	51	3	18	1	1	32.3	147	1	1	1	8	3	16
20+0700E	0.6	17570	1	4	128	3.4	5	1050	2.5	5	29	48080	990	16	5150	274	3	70	12	360	38	3	17	1	1	35.0	74	1	1	1	8	2	18
20+0750E	0.9	21880	1	7	151	3.5	4	8530	3.5	4	42	31930	810	11	5030	265	4	80	15	720	77	2	47	1	1	28.9	68	1	1	1	9	2	14
20+0800E	0.2	17510	1	4	409	3.8	4	2840	2.8	8	23	48170	780	17	3500	1673	2	80	11	1780	50	2	24	1	1	31.2	140	1	1	1	8	3	12
20+0850E	0.6	32170	1	15	237	3.8	4	1940	3.7	10	41	58140	1250	18	4050	604	3	120	23	3210	54	3	11	1	1	20.1	151	1	1	1	9	2	8
20+0900E	0.1	32840	1	20	759	5.2	6	8490	6.7	17	48	68340	3010	23	4750	4903	5	100	27	3010	114	5	104	1	3	26.3	206	1	1	1	12	3	12
20+0950E	0.8	38220	1	20	241	6.5	7	2550	5.2	9	83	59160	1580	25	6670	1179	7	80	32	950	95	6	24	1	2	46.3	149	1	1	1	13	3	22
20+1000E	0.7	33770	2	18	218	6.6	7	2390	4.6	8	47	57630	1990	23	6490	503	6	70	25	1740	131	7	37	1	1	48.8	144	1	1	1	15	4	24
20+1100E	0.1	18690	1	5	335	2.5	3	3870	2.9	7	35	54120	1130	14	2870	1512	1	140	16	650	92	1	47	1	1	19.9	193	1	1	1	7	2	5
20+1150E	0.3	28710	1	14	333	4.7	6	4610	4.5	18	59	65510	1650	21	4000	2586	3	110	33	3040	106	4	66	1	2	22.2	294	1	1	1	11	3	9
20+1250E	0.1	25740	3	16	189	4.3	5	8490	4.4	7	46	42170	1440	21	5340	870	5	60	23	670	85	4	55	1	1	31.0	131	1	1	1	10	3	16
20+1350E	0.1	22110	1	8	286	2.0	3	2280	2.2	5	15	52250	1240	14	3080	1251	1	170	16	700	35	1	27	1	1	20.0	100	1	1	1	5	2	6
20+1400E	0.3	24920	1	11	226	2.6	4	1960	2.7	5	22	50540	1250	15	3640	455	1	160	21	1080	29	2	30	1	1	20.6	100	1	1	1	7	2	8
20+1450E	0.1	21520	1	7	320	1.9	4	2240	1.8	4	11	41750	1320	18	3030	715	1	170	19	1080	27	1	29	1	1	16.3	153	1	1	1	5	1	9
20+1500E	0.1	23610	1	7	463	1.5	3	2080	1.6	4	13	50620	700	13	2090	816	1	220	11	4200	23	1	22	1	1	12.5	152	1	1	1	4	1	2
20+1600E	0.1	21990	1	6	385	2.0	3	1600	2.0	4	14	44520	870	16	2750	376	1	130	14	2990	28	1	18	1	1	15.8	168	1	1	1	5	1	5
20+1650E	0.3	33760	1	15	236	2.0	4	1980	2.0	4	14	65610	810	16	2610	316	1	220	16	2860	21	2	20	1	1	16.4	94	1	1	1	6	1	3
20+0050W	0.1	24000	1	6	103	4.6	5	600	2.9	6	25	55360	750	16	5850	274	5	70	11	570	44	4	13	1	1	59.8	68	1	1	1	10	2	7
20+0100W	0.5	56170	1	30	165	5.4	7	800	4.7	9	43	80090	950	25	5340	240	5	160	16	840	47	8	8	1	1	56.9	116	1	1	1	13	2	9
20+0150W	0.1	17770	1	3	65	4.3	4	530	2.5	4	29	38770	860	10	9840	145	5	30	11	200	39	4	15	1	1	61.2	44	1	1	1	10	3	6
20+0200W	0.5	34630	1	14	103	2.5	4	920	2.3	5	16	76440	480	17	2000	211	1	180	8	430	28	2	10	1	1	25.6	86	1	1	1	7	1	1
20+0250W	0.2	28910	1	10	129	4.3	6	590	2.4	8	41	66700	960	14	6120	336	4	90	14	570	39	5	12	1	1	66.4	72	1	1	1	11	2	3
20+0350W	0.4	27800	1	10	113	4.2	5	1660	3.1	7	31	50290	690	15	3710	289	4	100	14	340	51	4	15	1	1	26.3	54	1	1	1	10	3	7
20+0400W	0.3	49010	1	23	112	3.3	6	780	2.4	14	22	74350	510	17	2160	548	3	170	12	1050	43	5	6	1	1	22.5	94	1	1	1	10	2	2
20+0450W	0.3	31190	1	9	144	2.9	6	1190	2.4	6	18	77230	750	17	2590	768	2	160	17	1170	45	3	16	1	1	25.0	184	1	1	1	8	2	2
20+0500W	0.1	21700	1	3	166	3.1	5	940	2.4	6	17	54270	1060	15	3160	1468	3	120	11	790	36	2	18	1	1	21.8	76	1	1	1	7	3	5
20+0550W	0.5	32180	1	16	196	2.8	5	1410	2.6	7	18	65430	990	14	2990	1008	2	200	15	440	46	3	23	1	1	20.3	63	1	1	1	7	2	3
20+0600W	0.7	32150	1	11	223	2.3	5	1630	2.7	5	16	68810	790	14	2590	822	1	260	16	590	39	2	26	1	1	18.9	85	1	1	1	6	1	2
20+0650W	0.4	30350	1	7	193	2.5	4	890	2.7	7	19	58710	830	13	2760	646	2	180	19	570	47	2	16	1	1	18.4	117	1	1	1	7	2	3
20+0700W	0.5	26870	1	6	219	2.4	4	1140	2.6	7	15	59600	880	14	2640	713	2	170	17	340	35	1	18	1	1	21.4	95	1	1	1	7	2	3
20+0750W	0.8	29290	1	8	221	2.9	5	1280	2.2	6	18	54020	1180	14	3040	582	3	230	21	400	42	2	22	1	1	17.7	98	1	1	1	7	3	4
20+0800W	0.7	31560	1	9	176	2.9	5	990	2.4	7	18	59870	900	14	3340	211	2	180	16	550	37	3	16	1	1	21.6	76	1	1	1	8	3	4
20+0850W	0.7	41750	1	18	258	4.1	5	1090	3.0	7	27	68180	1310	18	3130	644	4	190	24	800	61	5	17	1	1	21.0	111	1	1	1	9	3	4
20+0900W	0.1	11230	1	1	79	1.3	4	1040	1.2	3	10	41130	550	6	1960	140	1	130	6	150	20	1	14	1	1	20.4	27	1	1	1	3	1	3
20+0950W	0.4	30690	1	9	251	2.6	5	1500	2.6	5	16	62010	990	15	3280	707	1	230	13	2000	37	2	19	1	1	21.6	107	1	1	1	6	2	4

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
21+0050W	0.6	30080	1	10	168	2.7	6	990	2.8	7	19	87480	850	21	3590	323	2	170	12	490	34	3	12	1	1	39.2	110	1	1	1	8	2	3
21+0100W	0.7	41590	1	18	161	3.5	7	1310	3.7	7	27	89610	820	24	3100	137	2	170	12	2240	44	5	9	1	1	39.0	103	1	1	1	9	3	4
21+0150W	0.4	14050	1	1	61	2.1	4	680	1.9	3	11	35870	730	4	3750	121	3	70	7	300	28	1	12	1	1	35.8	35	1	1	1	5	2	5
21+0200W	0.5	36300	1	13	205	3.6	5	1320	3.2	6	30	65840	1420	17	3830	230	3	180	18	270	37	4	20	1	1	34.8	90	1	1	1	8	3	6
21+0250W	0.1	16240	1	1	100	2.9	4	530	2.6	4	20	34700	980	8	5310	197	3	40	9	210	30	2	13	1	1	27.3	42	1	1	1	6	2	6
21+0300W	0.3	26570	1	6	237	3.2	5	980	2.4	6	25	54860	900	11	4240	894	3	110	12	710	41	3	15	1	1	31.0	99	1	1	1	7	3	5
21+0350W	0.9	46830	1	21	118	4.5	6	800	3.1	73	103	70820	840	13	2310	1084	4	240	24	550	398	6	12	1	1	24.4	51	1	1	1	8	3	5
21+0400W	0.1	16780	1	1	150	2.8	4	770	1.8	5	12	38730	850	6	2770	843	3	80	10	460	43	2	17	1	1	17.5	63	1	1	1	7	3	5
21+0450W	0.6	32760	1	9	114	4.1	5	620	3.0	5	16	63490	890	17	2980	96	3	140	17	330	62	5	14	1	1	23.3	126	1	1	1	9	2	4
21+0500W	0.4	20860	1	1	174	3.2	5	1080	2.6	6	13	57120	900	13	2960	776	3	110	10	1120	55	3	16	1	1	23.7	82	1	1	1	7	2	5
21+0550W	0.4	35090	1	14	235	2.4	6	1380	2.4	7	21	72650	1060	12	2620	2045	2	220	19	1270	47	3	19	1	1	21.1	130	1	1	1	7	2	2
21+0600W	0.3	16290	1	1	68	2.6	4	550	2.6	4	17	32610	850	10	3910	125	4	70	11	180	53	2	15	1	1	15.5	46	1	1	1	6	3	6
21+0650W	0.2	23710	1	3	149	2.8	4	750	2.4	5	15	43390	980	12	2990	372	3	110	13	540	45	2	13	1	1	17.4	82	1	1	1	7	2	4
21+0700W	0.7	22590	1	3	187	2.4	4	590	2.6	6	12	48930	970	13	2680	536	2	120	16	260	42	1	15	1	1	16.7	88	1	1	1	5	2	3
21+0750W	0.5	19420	1	1	159	3.1	5	630	2.6	5	14	31860	1000	9	3150	217	4	80	12	250	45	2	18	1	1	15.5	69	1	1	1	8	4	6
21+0800W	0.3	21900	1	8	199	3.9	4	1730	2.9	11	32	35160	980	14	3350	1061	5	80	16	250	72	2	24	1	1	16.4	114	1	1	1	7	2	8
21+0850W	1.1	10880	1	1	86	2.2	4	1040	1.9	4	14	24970	510	8	2790	265	3	40	9	180	46	2	17	1	25	13.0	51	1	1	1	6	3	7
21+0900W	0.2	26760	1	9	242	2.1	4	1660	2.8	5	15	58320	840	15	3020	1314	2	160	12	1000	30	2	21	1	1	20.5	90	1	1	1	6	2	4
21+0950W	0.5	38290	1	17	178	2.9	5	980	1.8	6	18	71970	670	15	2790	541	2	200	12	980	28	3	13	1	1	22.7	71	1	1	1	8	2	2

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
22+0050E	0.1	24770	1	8	343	4.1	4	860	3.5	7	38	51000	710	13	7870	1603	4	70	15	590	38	4	15	1	1	65.7	141	1	1	1	9	4	6
22+0100E	0.5	32230	3	14	116	5.5	6	570	4.6	9	76	65060	540	24	11150	270	6	70	23	400	46	7	16	1	1	119.3	84	1	1	1	15	4	6
22+0150E	0.1	52140	1	29	242	5.7	7	920	4.5	8	57	72950	1220	25	6000	2140	6	150	27	1070	75	8	11	1	1	45.0	194	1	1	1	13	4	18
22+0200E	0.1	24030	1	8	173	2.3	4	1100	2.6	5	16	57260	590	12	3150	1573	2	110	10	990	40	2	12	1	1	28.4	92	1	1	1	8	2	3
22+0250E	0.8	54060	1	31	236	5.0	8	1430	4.4	8	55	91770	1330	35	5820	455	5	170	26	1700	62	7	11	1	1	45.4	201	1	1	1	14	3	12
22+0300E	0.3	10550	1	8	100	2.4	4	1290	2.1	4	17	33190	460	12	4120	355	3	70	9	160	37	2	16	1	1	25.9	63	1	1	1	6	2	8
22+0350E	0.7	40880	1	21	232	5.2	7	1370	3.4	10	55	66000	1330	27	5740	430	5	130	29	530	67	6	18	1	1	39.4	201	1	1	1	12	3	14
22+0400E	0.6	46460	1	26	260	5.2	6	1740	3.8	8	60	70920	1550	24	4700	818	5	150	32	1320	63	6	17	1	1	35.4	210	1	1	1	12	4	11
22+0450E	0.4	36310	1	16	172	3.1	4	830	2.6	7	22	65710	660	18	3330	336	3	170	23	520	34	3	12	1	1	24.7	139	1	1	1	7	2	3
22+0500E	0.5	37110	1	17	279	3.4	5	1630	3.0	6	21	67920	1030	24	3690	519	2	160	28	830	37	3	17	1	1	26.9	182	1	1	1	9	1	6
22+0550E	0.3	23660	1	8	168	4.3	5	910	3.2	6	32	43730	1030	21	6090	229	4	70	22	440	48	4	19	1	1	34.8	105	1	1	1	10	3	11
22+0600E	0.3	26060	1	10	210	3.3	4	1340	3.3	6	26	58390	980	18	5000	722	3	120	19	540	42	3	19	1	1	36.3	100	1	1	1	7	2	12
22+0650E	0.5	32940	1	14	226	4.2	5	1390	4.2	8	46	66360	1060	20	6800	339	3	90	23	450	44	5	16	1	1	50.6	86	1	1	1	10	3	16
22+0700E	0.6	29190	1	12	359	2.9	5	1520	3.7	6	35	62300	1240	18	5860	341	2	120	21	390	32	3	17	1	1	28.9	104	1	1	1	7	2	18
22+0750E	0.3	36220	1	16	303	2.4	4	1860	3.1	5	20	71610	850	16	3100	1173	1	200	15	1340	24	2	17	1	1	23.4	81	1	1	1	7	1	4
22+0800E	0.4	39970	1	19	289	3.0	5	2140	2.6	5	23	74380	1050	18	3510	519	1	180	16	1260	33	3	17	1	1	24.3	93	1	1	1	8	2	4
22+0850E	0.3	32170	1	12	404	2.6	4	1670	2.8	6	19	68530	1060	21	3400	969	1	180	16	1420	36	2	21	1	1	23.6	139	1	1	1	6	2	4
22+0900E	0.5	26250	1	8	210	2.7	4	1380	2.5	5	22	58800	930	19	4080	407	1	140	20	1480	44	3	15	1	1	27.8	133	1	1	1	7	2	8
22+0950E	0.5	17650	1	2	132	3.6	4	1510	3.3	5	25	39800	1240	12	5540	281	4	30	14	490	45	3	20	1	1	35.9	71	1	1	1	8	2	13
22+1000E	0.1	14980	1	6	224	2.5	3	1500	2.4	4	13	30600	900	9	3520	506	3	40	13	190	35	1	20	1	1	21.5	85	1	1	1	4	2	8
22+1050E	0.4	34390	10	19	130	5.8	7	5070	5.3	10	87	60270	1680	19	5380	1087	6	70	44	1230	114	7	51	1	3	37.2	186	1	1	1	10	5	20
22+1100E	0.4	32970	1	19	234	5.1	7	2460	4.5	13	49	78050	1890	22	5170	1427	3	60	35	560	97	6	31	1	1	33.1	202	1	1	1	9	3	12
22+1150E	0.7	40810	5	26	193	4.8	6	3900	4.0	18	42	75320	2400	30	4570	868	5	110	42	560	95	6	52	1	4	26.2	276	1	1	1	9	3	10
22+1200E	1.0	32180	41	17	121	8.1	9	3670	5.9	18	109	74240	1910	27	4690	64210	80	39	62	10710	710	47	1	9	23.9	174	1	1	1	13	7	14
22+1250E	0.2	32210	8	17	184	4.8	6	3290	4.7	16	47	73870	1990	26	4350	1904	4	100	41	660	85	6	42	1	2	21.6	215	1	1	1	9	4	7
22+1300E	0.1	29010	1	13	179	4.2	6	4490	3.8	13	63	79340	2090	22	6110	2689	4	80	30	910	78	5	37	1	1	32.7	217	1	1	1	8	3	16
22+1350E	0.3	26150	1	7	165	4.0	6	2200	3.2	10	39	61930	1550	17	4650	992	3	60	24	530	61	3	22	1	1	24.4	119	1	1	1	8	3	10
22+1400E	0.2	29230	1	11	377	3.5	5	3370	3.2	10	42	71590	1810	21	4310	1895	1	140	27	1380	54	3	40	1	1	23.9	135	1	1	1	7	2	10
22+1450E	0.1	26460	1	15	636	2.8	4	2670	2.1	7	20	69130	1950	25	3780	1620	1	210	22	1780	44	2	43	1	1	20.8	317	1	1	1	6	2	8
22+1500E	0.1	23710	1	7	375	2.4	4	2330	2.2	7	17	58800	1620	19	3320	1455	1	170	22	940	37	1	36	1	1	19.8	154	1	1	1	5	1	7
22+1550E	0.5	29970	1	15	254	2.2	4	3560	1.8	6	21	69570	1420	18	3090	741	1	250	22	1650	37	2	50	1	1	19.7	147	1	1	1	6	1	5
22+1600E	0.6	32460	1	18	390	2.3	5	2900	2.8	7	19	74750	1650	26	2730	878	1	290	15	2670	42	2	40	1	1	19.5	258	1	1	1	5	2	7
22+1650E	0.8	39770	1	22	204	1.3	5	4500	1.9	5	23	93060	1030	23	2570	282	1	390	19	2490	20	2	41	1	1	19.5	175	1	1	1	5	1	1
22+0100W	0.2	29350	1	10	201	4.8	6	1560	3.0	8	54	49620	1160	16	5720	813	4	90	25	250	77	5	24	1	1	35.9	75	1	1	1	10	4	7
22+0150W	0.1	22650	1	6	228	2.2	5	750	1.9	6	14	58990	760	16	2660	1878	2	140	12	1000	36	1	11	1	1	22.9	129	1	1	1	7	2	4
22+0200W	0.3	11700	1	1	63	2.9	4	280	2.4	4	20	26850	860	4	5150	124	4	20	8	260	42	2	12	1	1	25.1	38	1	1	1	7	3	5
22+0250W	0.4	30960	1	11	139	2.9	4	900	2.2	6	13	60400	750	14	2780	295	2	130	11	790	33	3	12	1	1	21.6	97	1	1	1	8	2	3
22+0300W	0.3	19760	1	3	140	3.9	5	680	3.0	7	14	56710	700	15	4530	472	3	70	12	430	56	4	14	1	1	33.3	97	1	1	1	9	4	4
22+0350W	0.5	23040	1	7	191	3.0	4	1360	3.3	6	14	50160	1020	12	2960	406	2	130	14	310	44	2	18	1	1	21.8	73	1	1	1	8	3	5
22+0400W	0.5	27450	1	9	188	2.7	6	1010	2.5	8	17	70130	710	17	2750	649	2	140	12	810	57	3	16	1	1	27.8	144	1	1	1	8	2	4
22+0450W	0.5	25600	1	7	92	2.9	4	490	2.7	6	18	48250	730	11	2910	455	3	120	13	490	43	2	11	1	1	17.3	125	1	1	1	7	2	4
22+0500W	0.4	30880	1	12	154	2.2	5	1570	2.4	6	12	66370	790	15	2470	694	1	170	13	1140	45	2	14	1	1	20.5	239	1	1	1	6	1	2
22+0550W	0.7	40290	1	20	170	4.0	6	780	3.0	16	19	76960	940	22	3410	474	3	160	18	670	58	5	13	1	1	23.4	140	1	1	1	10	3	4
22+0600W	0.2	9780	1	1	151	2.3	3	1430	2.0	4	11	29200	720	5	3110	453	3	60	7	200	41	1	22	1	1	15.3	52	1	1	1	6	2	6
22+0650W	0.4	25760	1	8	305	2.4	4	830	2.6	8	12	50170	1040	12	2740	1756	2	120	15	800	51	2	15	1	1	18.7	148	1	1	1	7	2	4
22+0700W	0.2	15580	1	1	208	2.0	4	1360	2.1	6	12	42010	1330	9	2630	1737	3	110	9	410	42	1	21	1	1	16.8	117	1	1	1	6	3	4
22+0750W	0.1	19300	1	4	287	2.6	4	1050	2.4	6	10	43100	1500	11	2620	1252	3	120	15	320	50	1	23	1	1	18.5	95	1	1	1	6	3	5
22+0800W	1.3	30770	1	12	207	2.9	5	800	2.9	8	22	62650	930	15	2990	687	2	160	21	490	46	3	15	1	1	20.2	135	1	1	1	6	2	3
22+0850W	0.3	22880	1	7	126	4.1	5	1000	2.7	12	39	36900	1200	15	4060	1446	5	80	18	310	92	4	21	1	1	17.8	98	1	1	1	9	3	8
22+0900W	0.4	31500	1	14	236	2.5	5	1270	2.6	6	16	65470	1110	20	4120	833	3	180	19	1130	31	3	18	1	1	22.7	133	1	1	1	7	2	6
22+0950W	0.7	31130	1	12	114	3.2	5	920	2.4	6	23	59880	910	13	3560	192	3	150	16	340	37	4	16	1	1	20.8	67	1	1	1	8	2	5
22+1000W	0.4	35100	1	17	159	2.5	5	1470	2.4	6	21	64930	950	11	3150	521	2	270	13	730	30	3	18	1	1	25.3	66	1	1	1	7	2	3

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
23+0050E	0.1	26870	1	14	466	3.7	5	3390	4.3	7	25	65950	1140	14	7860	3039	4	150	16	2280	45	5	28	1	1	68.1	166	1	1	1	8	3	8
23+0100E	0.5	37090	1	18	191	3.5	5	1070	3.0	7	28	80560	840	21	4300	921	2	160	18	620	32	4	12	1	1	41.4	116	1	1	1	8	2	4
23+0150E	0.3	30740	1	12	156	2.8	5	1070	2.7	6	21	66070	900	17	3540	610	1	150	13	900	34	2	12	1	1	30.6	134	1	1	1	7	1	3
23+0200E	0.4	20130	1	4	160	2.6	4	2620	2.4	5	23	49310	730	14	4130	1006	2	120	13	630	45	2	23	1	1	34.1	92	1	1	1	6	2	5
23+0250E	0.5	30000	1	12	183	3.5	5	800	2.8	7	21	69850	630	18	4030	756	1	130	17	430	34	3	13	1	1	41.5	125	1	1	1	8	3	3
23+0300E	0.2	15030	1	1	62	3.5	4	570	2.8	4	23	32780	530	10	8180	403	4	30	11	200	36	2	14	1	1	41.1	48	1	1	1	8	3	8
23+0350E	0.5	25370	1	8	196	3.0	5	1180	2.3	6	28	64720	930	17	3530	873	2	150	18	410	44	3	17	1	1	28.8	121	1	1	1	7	2	6
23+0400E	0.9	38050	1	19	256	2.3	5	1900	2.1	5	22	84280	800	19	2940	508	1	240	17	1080	35	3	17	1	1	24.4	248	1	1	1	6	1	3
23+0450E	0.2	25180	1	8	285	1.7	4	1240	2.4	5	18	65750	680	13	2520	2668	1	160	13	1160	38	1	15	1	1	23.4	155	1	1	1	5	2	3
23+0500E	0.5	20830	1	4	137	2.5	4	730	2.0	5	13	48850	1060	13	3100	553	2	100	13	550	33	1	12	1	1	25.7	116	1	1	1	6	1	3
23+0550E	0.2	30990	1	14	215	2.3	4	1110	2.4	5	16	60870	640	15	2830	1274	2	150	15	1290	33	3	15	1	1	22.0	137	1	1	1	7	2	3
23+0600E	0.4	20380	1	5	190	2.8	4	2080	2.0	5	23	51950	820	10	4160	1006	2	100	13	740	52	3	28	1	1	28.1	91	1	1	1	6	3	5
23+0650E	0.3	21850	1	7	252	3.1	5	1430	2.4	6	20	48050	750	17	4790	1451	2	80	14	1180	40	3	19	1	1	30.1	161	1	1	1	7	2	14
23+0700E	0.4	14100	1	1	92	2.7	4	630	2.0	5	22	37120	560	7	4200	482	2	40	10	290	35	2	14	1	1	26.9	55	1	1	1	6	2	8
23+0750E	0.5	18210	1	7	102	3.8	6	1300	3.2	7	42	52990	780	11	8540	415	5	30	16	380	52	4	13	1	1	49.5	62	1	1	1	10	3	18
23+0800E	0.6	26720	1	9	276	2.5	4	1260	2.2	5	17	58610	650	16	3350	602	1	120	16	1000	33	2	16	1	1	24.7	93	1	1	1	7	3	5
23+0850E	0.1	17190	1	2	380	2.0	3	1420	2.1	4	9	49050	900	14	3160	1383	1	90	13	930	28	1	18	1	1	22.5	112	1	1	1	7	2	6
23+0900E	0.2	24340	1	7	201	3.3	4	1240	3.3	6	21	57630	1090	14	4490	562	3	70	15	610	44	3	16	1	1	27.8	93	1	1	1	8	2	8
23+0950E	0.4	23800	1	7	199	2.8	5	1750	2.3	6	28	64700	1050	14	5130	203	1	100	19	280	41	3	21	1	1	34.7	90	1	1	1	8	2	10
23+1000E	0.5	30070	1	12	207	3.3	6	2590	3.9	8	26	75930	1390	16	4620	1254	2	110	18	820	58	4	28	1	1	31.3	144	1	1	1	9	3	7
23+1050E	0.3	25900	1	7	152	3.6	6	1600	3.4	9	37	57540	1690	16	4770	750	3	50	25	440	60	4	20	1	1	25.5	126	1	1	1	9	3	10
23+1100E	1.0	45270	1	24	263	6.1	8	6330	5.1	10	99	72670	2500	32	4970	1226	7	130	33	720	89	9	61	1	8	29.4	183	1	1	1	14	4	19
23+1150E	0.6	38370	1	18	144	5.0	6	2560	4.0	10	51	72530	1910	28	4550	843	5	90	36	630	69	7	32	1	1	26.8	152	1	1	1	13	3	9
23+1200E	0.1	26300	1	11	247	3.3	5	9100	4.0	11	55	67490	1980	25	4400	2580	2	110	19	1090	56	4	68	1	1	25.7	217	1	1	1	9	3	11
23+1250E	0.2	31260	1	13	203	4.0	7	2290	4.2	11	38	80070	1530	19	5050	1654	1	80	25	1030	69	5	25	1	1	30.0	144	1	1	1	10	3	18
23+1350E	0.1	23190	1	5	272	2.3	3	1980	2.3	5	14	56370	1250	16	2960	475	1	190	17	1600	36	1	28	1	1	16.7	133	1	1	1	5	1	4
23+1400E	0.4	22770	1	6	181	2.4	4	1670	2.2	6	17	58690	1200	16	3150	335	1	160	19	1210	35	2	26	1	1	19.8	145	1	1	1	5	1	5
23+1450E	0.3	22180	1	7	293	2.1	5	2060	2.6	6	20	59060	1390	18	3510	1172	2	170	16	1370	37	2	25	1	1	20.3	217	1	1	1	6	2	8
23+1500E	0.5	26030	1	7	145	2.9	4	1580	1.9	6	21	56830	1200	17	3290	165	2	130	18	1580	41	3	21	1	1	18.2	130	1	1	1	7	2	6
23+0050W	0.3	24060	1	6	192	3.0	4	570	2.6	6	17	46150	890	11	3740	852	3	90	13	1240	39	3	10	1	1	26.3	99	1	1	1	8	3	5
23+0100W	0.3	14980	1	1	139	3.1	5	1010	2.7	5	18	34570	960	6	4590	668	3	50	11	220	40	2	20	1	1	32.3	72	1	1	1	8	3	5
23+0150W	0.5	25480	1	9	124	4.5	5	1580	4.0	9	43	53800	1000	15	6470	623	4	90	26	320	79	5	22	1	1	39.8	115	1	1	1	9	3	6
23+0200W	0.3	32880	1	14	192	3.1	5	1020	2.5	6	17	64290	890	15	3810	431	3	140	13	1170	38	4	14	1	1	30.4	118	1	1	1	8	2	3
23+0250W	0.7	39060	1	17	213	3.0	5	800	2.4	7	22	66720	810	15	2940	583	2	150	17	1300	43	4	11	1	1	20.4	84	1	1	1	9	2	3
23+0300W	0.3	23820	1	5	156	2.7	2	590	1.8	4	12	40710	440	9	2340	597	2	70	11	390	40	1	11	1	1	14.8	61	1	1	1	6	1	2
23+0350W	0.1	22260	1	4	120	3.2	3	480	2.3	4	14	36120	660	10	3030	359	3	60	11	880	47	2	8	1	1	13.6	73	1	1	1	8	1	3
23+0400W	0.7	29660	1	12	163	3.2	3	640	2.5	11	20	50000	710	13	2640	975	2	120	16	670	40	2	9	1	1	19.1	93	1	1	1	8	1	3
23+0450W	0.7	24540	1	5	226	3.1	2	790	2.6	9	16	37560	560	10	2730	633	4	70	17	340	50	1	17	1	1	13.4	117	1	1	1	7	1	3
23+0500W	0.7	39390	1	19	285	2.3	5	1970	3.0	12	22	81070	900	25	2910	1424	1	240	18	1540	24	2	22	1	1	25.1	141	1	1	1	7	1	1
23+0550W	1.0	20930	1	3	218	3.0	3	1150	2.4	7	15	32060	780	11	3260	572	4	80	12	600	45	1	19	1	1	14.6	125	1	1	1	7	2	4
23+0600W	0.4	27600	1	8	120	3.5	3	620	2.6	8	26	47600	940	12	3730	192	3	80	13	660	59	3	11	1	1	18.7	96	1	1	1	8	2	4
23+0650W	0.2	27950	1	12	201	3.0	3	990	2.4	6	20	47630	1020	11	3360	668	3	120	13	820	43	2	15	1	1	17.0	92	1	1	1	6	1	3
23+0700W	0.4	39190	1	19	265	4.3	5	1150	3.5	8	33	68780	1370	19	3840	777	4	150	31	590	58	5	17	1	1	24.2	250	1	1	1	11	2	6
23+0750W	0.6	33270	1	14	167	4.5	5	1300	3.5	9	52	70680	1330	23	3690	849	4	160	35	320	70	4	22	1	1	26.0	224	1	1	1	11	1	8
23+0800W	0.2	22200	1	5	209	2.8	3	860	2.3	11	14	47500	1270	18	2930	628	3	150	18	200	37	2	19	1	1	19.8	128	1	1	1	7	1	5
23+0850W	0.1	10920	1	1	108	2.3	2	530	1.4	11	15	28480	900	7	2580	1285	3	60	9	210	27	1	15	1	1	20.0	45	1	1	1	6	2	3
23+0900W	0.2	31670	1	12	190	4.4	4	1230	2.8	8	24	50830	1410	19	6190	294	6	100	18	330	30	4	21	1	1	42.6	80	1	1	1	10	2	8
23+0950W	0.4	31770	1	12	102	3.6	4	1120	2.9	6	28	62040	1360	17	4720	160	5	120	15	550	29	3	16	1	1	30.3	81	1	1	1	8	2	5

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
24+0050E	0.3	29870	1	10	128	2.3	4	1660	2.1	6	17	61120	750	14	2590	896	2	160	12	790	24	2	17	1	1	24.6	87	1	1	1	6	2	3
24+0100E	0.8	40110	1	20	173	5.4	7	1340	3.4	10	49	69490	1390	28	8150	369	5	140	29	690	59	8	17	1	1	63.5	121	1	1	1	14	4	11
24+0150E	0.2	28310	1	10	242	2.8	6	1310	2.7	6	18	74950	930	14	4250	2046	2	230	12	1310	32	4	19	1	1	39.2	170	1	1	1	8	2	5
24+0200E	0.6	32460	1	13	121	4.0	6	1740	3.2	7	33	64780	1120	22	5590	475	3	150	16	540	53	5	17	1	1	41.3	135	1	1	1	10	3	8
24+0250E	0.4	36830	1	15	210	2.5	5	1470	3.0	6	21	73850	750	17	3510	1079	3	200	14	1700	31	4	13	1	1	26.9	160	1	1	1	6	2	7
24+0300E	0.1	29710	1	13	286	2.2	5	1510	3.3	6	21	78090	740	14	2890	3314	1	210	16	670	43	3	16	1	1	26.7	257	1	1	1	7	2	3
24+0350E	0.6	30240	1	9	112	2.6	5	1010	2.5	6	16	68910	600	19	2490	446	1	160	14	680	29	3	12	1	1	29.5	106	1	1	1	7	2	4
24+0400E	0.7	31870	1	12	166	3.3	6	1010	3.3	7	40	66690	960	17	5130	829	3	120	16	710	49	5	13	1	1	36.2	133	1	1	1	9	3	7
24+0450E	0.2	33780	1	14	217	2.2	5	1570	2.6	5	16	69010	700	14	2280	1588	1	220	14	1490	29	3	17	1	1	22.7	179	1	1	1	7	1	2
24+0500E	0.6	37420	1	16	166	2.3	5	840	2.7	5	15	75400	580	17	2160	629	1	180	13	1710	28	3	6	1	1	20.7	176	1	1	1	9	2	2
24+0550E	0.7	40510	1	19	196	3.2	6	960	2.4	6	18	69830	790	19	3130	347	2	140	19	1620	28	5	9	1	1	26.5	158	1	1	1	10	3	6
24+0600E	0.3	21330	1	4	435	2.3	4	1750	2.3	4	12	48540	610	9	2230	1806	2	120	10	2030	31	2	22	1	1	19.6	118	1	1	1	6	2	5
24+0650E	0.5	20650	1	4	188	2.4	4	1410	2.9	5	15	51850	630	14	4150	683	2	100	12	520	32	1	15	1	1	29.8	101	1	1	1	7	2	12
24+0700E	0.3	16130	1	1	100	2.2	4	1330	2.6	5	21	47680	760	17	4190	518	1	120	13	230	28	1	17	1	1	28.6	80	1	1	1	7	2	13
24+0750E	0.1	19190	1	1	292	2.1	4	2170	2.5	5	25	58680	850	12	3950	2038	1	160	14	460	38	1	25	1	1	29.7	101	1	1	1	6	2	11
24+0800E	0.8	44070	1	21	245	2.9	6	1170	2.8	6	28	84920	900	22	3610	482	1	220	17	2180	32	3	7	1	1	27.5	156	1	1	1	9	2	7
24+0850E	0.3	23430	1	7	426	2.2	5	1730	3.0	6	16	66880	910	20	4030	1454	1	160	13	810	38	1	23	1	1	30.4	138	1	1	1	7	2	7
24+0900E	0.9	17750	1	1	215	2.2	4	1690	2.6	5	12	51420	1090	13	3900	1020	1	100	10	430	35	1	24	1	1	29.2	70	1	1	1	6	2	6
24+0950E	0.1	21810	1	3	431	1.8	5	1800	2.0	6	13	66650	1000	16	2690	2644	1	190	13	1460	36	1	29	1	1	20.6	199	1	1	1	5	1	3
24+1000E	0.2	21360	1	3	229	2.5	4	1520	2.8	6	15	53490	1240	17	4370	708	2	80	16	400	41	1	21	1	1	30.5	143	1	1	1	7	3	10
24+1050E	0.1	25140	1	6	474	2.9	5	2670	3.4	7	20	62040	1480	18	4160	2044	2	110	18	1260	82	2	44	1	1	26.1	196	1	1	1	8	3	9
24+1100E	0.6	24370	1	5	283	3.1	4	1910	2.9	7	19	53590	1400	17	3510	600	2	100	14	1450	48	2	27	1	1	21.3	172	1	1	1	9	2	7
24+1150E	0.2	20000	1	2	247	2.7	5	950	2.3	5	17	44470	1310	12	2740	496	3	110	11	790	51	2	23	1	1	17.5	135	1	1	1	6	2	5
24+1200E	0.4	23670	1	5	183	2.8	5	1510	2.8	6	23	51030	1120	13	3840	288	2	110	15	810	33	2	27	1	1	22.4	121	1	1	1	6	2	7
24+1250E	0.6	28090	1	9	251	3.0	5	2290	2.3	9	37	67350	1430	17	3550	720	2	160	20	390	46	3	34	1	1	22.1	158	1	1	1	8	2	8
24+1350E	0.6	24360	1	5	121	3.1	6	1560	3.0	7	35	51520	1860	16	3900	257	4	60	15	690	50	3	18	1	1	17.5	98	1	1	1	8	3	9
24+1400E	0.9	29620	1	11	203	3.0	6	2450	2.7	7	31	73830	1580	20	4810	208	2	150	20	340	49	3	33	1	1	28.6	122	1	1	1	9	2	16
24+1450E	0.5	27880	1	9	316	1.8	5	3450	2.4	6	20	68650	1300	17	3180	1088	1	260	18	1110	31	1	49	1	1	19.6	142	1	1	1	5	1	4
24+1500E	0.4	34220	1	13	196	3.9	6	1980	3.0	7	33	61570	1910	29	3930	569	4	100	22	600	50	5	29	1	1	22.6	124	1	1	1	10	4	9
24+1540E	0.5	37330	1	16	336	3.2	9	3330	3.3	12	43	130930	2180	31	15780	1821	1	100	34	1070	64	4	29	1	1	46.9	111	1	1	1	9	3	69
24+0100W	0.4	26290	1	9	186	2.9	4	920	2.1	6	16	62250	1050	19	3330	433	1	140	13	380	29	3	16	1	1	28.5	130	1	1	1	8	1	4
24+0150W	0.3	23140	1	7	148	3.3	4	710	2.6	6	18	61610	1020	18	3970	894	2	130	17	550	43	3	14	1	1	32.6	172	1	1	1	9	2	5
24+0200W	0.1	25890	1	8	186	3.1	3	1480	3.0	6	14	51840	810	11	2750	1084	3	130	13	2540	68	2	20	1	1	19.4	186	1	1	1	8	2	2
24+0250W	0.4	24870	1	7	127	5.2	5	2330	4.6	15	89	50480	910	19	4370	1866	5	130	37	670	115	4	30	1	1	16.6	179	1	1	1	10	3	6
24+0300W	0.2	27660	1	10	218	3.8	4	880	2.6	8	31	58270	1650	11	3200	1950	3	220	15	1430	63	3	12	1	1	19.2	123	1	1	1	8	2	7
24+0350W	0.1	20760	1	3	129	3.8	4	960	2.8	8	28	36730	1030	17	4460	1361	4	90	15	320	73	3	20	1	1	17.6	79	1	1	1	8	2	7
24+0400W	0.3	27240	1	8	198	3.8	4	850	2.2	10	16	45700	970	14	3430	762	4	110	16	580	58	3	16	1	1	18.5	109	1	1	1	9	2	5
24+0450W	0.1	15340	1	1	254	2.8	3	780	1.7	6	9	29750	980	11	2970	766	3	70	9	690	46	1	16	1	1	14.6	112	1	1	1	6	1	4
24+0500W	0.4	19850	1	2	154	2.5	4	880	2.4	7	12	60850	870	16	3280	418	1	130	10	170	42	1	15	1	1	26.4	111	1	1	1	6	1	4
24+0550W	0.1	20010	1	13	190	2.8	5	1440	2.7	7	15	55720	1170	13	3830	1737	3	130	12	630	47	2	18	1	1	22.6	102	1	1	1	8	2	5
24+0600W	0.1	18740	1	2	126	3.2	4	930	2.9	26	23	49170	890	20	3510	1510	2	140	22	290	49	1	17	1	1	17.3	145	1	1	1	7	2	4
24+0650W	0.1	22830	1	5	226	3.1	4	900	2.3	6	11	46390	1170	11	2760	1405	4	100	16	380	109	2	17	1	1	17.4	152	1	1	1	7	2	4
24+0700W	0.1	19010	1	2	194	3.2	4	560	2.9	6	10	40290	870	11	3570	915	4	60	14	320	74	2	15	1	1	18.2	170	1	1	1	7	2	5
24+0750W	0.4	30510	1	10	185	3.2	5	1900	3.2	7	21	61850	680	13	2980	1192	2	120	26	620	76	2	25	1	1	17.7	336	1	1	1	7	2	2
24+0800W	0.1	27040	1	11	213	2.9	4	1140	2.8	8	19	55910	920	14	3090	1655	2	130	23	540	50	1	19	1	1	18.8	262	1	1	1	8	2	3
24+0850W	0.4	29270	1	10	107	4.4	6	790	2.8	24	34	54570	1100	19	3580	858	5	90	31	340	43	4	14	1	1	19.7	84	1	1	1	10	2	7
24+0900W	0.1	6750	1	1	52	2.5	3	410	1.4	2	14	20820	710	2	3330	97	5	20	6	200	19	1	16	1	1	18.7	25	1	1	1	6	2	3
24+0950W	0.1	10750	1	1	51	2.8	3	440	1.6	3	19	23530	960	6	4720	93	6	20	7	210	25	1	16	1	1	23.4	27	1	1	1	7	2	4
24+1000W	0.1	13240	1	1	55	3.1	3	440	2.0	4	20	28720	810	10	4700	312	5	40	9	230	24	1	14	1	1	26.4	35	1	1	1	7	2	3

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
25+0050E	0.5	34620	1	13	156	2.8	5	2170	4.0	10	41	101320	840	20	3780	758	2	250	18	500	27	1	10	1	1	51.6	152	1	1	1	2	1	1
25+0100E	0.1	22700	1	7	191	2.1	3	1620	3.2	6	16	69150	1190	15	2480	1262	2	170	8	800	32	1	8	1	1	31.3	121	1	1	1	2	1	1
25+0150E	0.3	31790	1	13	96	2.4	3	1680	3.2	8	17	65210	950	18	3230	653	2	210	13	610	52	1	7	1	1	23.7	91	1	1	1	2	1	3
25+0200E	0.1	27830	1	9	161	2.5	4	1820	3.0	7	15	80910	1000	22	4780	686	2	180	9	920	26	1	11	1	1	49.6	94	1	1	1	2	1	2
25+0250E	0.3	29910	1	11	162	3.5	4	1490	3.8	7	26	70640	1090	17	5990	336	3	160	13	550	45	2	10	1	1	44.3	105	1	1	1	2	2	6
25+0300E	0.1	16120	1	1	116	1.1	3	1260	2.0	5	11	71300	650	11	2200	913	1	170	5	500	18	1	6	1	1	26.2	72	1	1	1	1	1	1
25+0350E	0.6	46330	1	23	160	4.0	5	1230	4.1	8	35	87190	1170	30	4440	209	3	180	18	740	40	4	1	1	1	38.1	101	1	1	1	3	1	8
25+0400E	0.1	18510	1	2	110	3.7	4	670	3.3	5	20	63330	790	17	5090	150	3	100	10	290	50	2	10	1	1	42.0	85	1	1	1	3	2	4
25+0450E	0.1	31390	1	9	151	2.6	3	960	3.2	5	15	55390	890	18	3370	514	3	140	12	1040	28	1	1	1	1	23.4	110	1	1	1	2	1	8
25+0500E	0.4	41790	1	18	169	2.1	4	1550	3.2	6	21	76560	690	16	2750	1087	2	290	13	780	16	1	6	1	1	22.7	107	1	1	1	1	1	1
25+0550E	0.8	40030	1	18	182	1.5	4	1460	2.6	6	18	92500	690	19	2640	674	1	310	14	880	19	1	4	1	1	24.9	143	1	1	1	1	1	1
25+0600E	0.1	25600	1	8	223	1.4	3	1300	2.1	6	12	70590	970	19	2960	1394	1	210	9	540	19	1	5	1	1	26.4	125	1	1	1	1	1	2
25+0650E	0.2	40010	1	18	232	1.7	4	1450	2.3	5	16	80920	690	18	2300	1412	1	290	13	970	17	1	4	1	1	19.9	151	1	1	1	1	1	1
25+0700E	0.3	26800	1	9	256	2.3	3	2740	2.6	7	12	69060	770	18	3250	485	1	190	10	830	26	1	23	1	1	29.1	120	1	1	1	2	1	5
25+0750E	0.2	30350	1	12	283	2.3	4	1430	3.0	6	19	70110	1070	18	4050	1329	2	210	14	910	24	1	9	1	1	28.4	114	1	1	1	2	1	12
25+0800E	0.2	22290	1	6	115	2.0	3	1610	1.9	6	23	58890	1000	23	4600	329	1	220	11	110	24	1	11	1	1	29.6	70	1	1	1	1	1	12
25+0850E	0.2	16140	1	1	168	1.0	3	1830	1.6	4	12	59130	1050	15	2960	247	1	170	7	490	23	1	14	1	1	25.4	77	1	1	1	1	1	5
25+0900E	0.1	22490	1	5	339	2.4	3	1780	2.2	6	13	59370	1310	19	4360	591	2	140	9	460	31	1	11	1	1	30.5	88	1	1	1	2	1	8
25+0950E	0.1	25450	1	9	193	3.7	4	1520	3.5	12	31	61480	1630	19	4410	816	4	100	17	1010	55	3	11	1	1	25.4	130	1	1	1	3	3	11
25+1000E	0.1	29040	1	11	251	3.3	4	1460	3.4	10	24	57730	1450	19	4170	842	3	110	16	800	42	2	10	1	1	25.1	120	1	1	1	2	2	9
25+1050E	0.1	23920	1	7	301	3.1	3	1630	3.4	8	18	45470	1640	19	3330	832	3	150	12	1510	37	1	23	1	1	17.4	140	1	1	1	2	2	10
25+1100E	0.1	22670	1	7	509	2.8	3	3880	2.8	8	19	57150	1860	16	3870	2165	2	140	11	1980	51	1	41	1	1	21.0	175	1	1	1	2	1	6
25+1150E	0.5	38140	1	19	216	4.0	4	1640	3.7	10	37	62170	1900	19	3990	325	4	130	17	1390	56	4	14	1	1	20.6	121	1	1	1	3	3	7
25+1200E	0.1	28290	1	11	181	3.6	4	2270	3.2	9	23	63480	2320	18	4190	1236	3	90	16	710	80	3	20	1	1	23.4	275	1	1	1	3	3	7
25+1250E	0.5	30930	1	13	141	3.3	5	2780	3.0	10	35	84430	2240	22	5080	698	2	150	23	660	61	3	24	1	1	30.5	232	1	1	1	2	1	16
25+1300E	0.3	30310	1	13	306	3.3	5	2500	3.6	10	21	80940	2090	19	4380	1570	3	180	22	1570	91	3	24	1	1	24.9	466	1	1	1	2	2	10
25+1350E	0.1	30240	1	9	224	2.8	4	1970	3.2	11	35	74280	1720	18	3560	1056	2	170	14	850	41	1	21	1	1	21.7	123	1	1	1	2	1	5
25+1400E	0.1	31970	1	13	195	3.4	5	1870	2.9	13	38	76630	1520	19	3990	1545	3	120	18	1120	53	2	12	1	1	24.4	144	1	1	1	3	1	4
25+1450E	0.1	31460	1	15	121	3.1	3	1910	2.6	8	32	61390	1440	16	4030	302	3	130	13	830	36	1	11	1	1	22.9	82	1	1	1	7	1	6
25+1500E	0.1	27400	1	8	556	2.6	3	2830	2.6	7	23	59320	1810	19	3450	1829	2	150	12	1910	42	1	29	1	1	19.0	132	1	1	1	5	1	6
25+1550E	0.1	27580	1	11	410	1.8	3	2130	2.6	7	16	69550	1470	21	3130	1513	2	270	13	1370	27	1	25	1	1	18.9	183	1	1	1	4	1	3
25+1600E	0.1	31540	1	14	259	3.6	4	3970	3.9	12	38	64970	2470	26	4240	2172	3	140	18	540	68	2	45	1	2	22.2	113	1	1	1	8	1	8
25+1650E	0.1	32940	1	14	198	2.9	4	1700	3.2	9	33	76540	1560	21	3920	780	3	150	14	880	32	1	12	1	1	23.4	102	1	1	1	6	1	7
25+0050W	0.2	30710	1	14	118	3.4	6	1110	3.0	5	16	69070	910	16	2930	257	3	110	12	800	36	3	15	1	1	31.6	93	1	1	1	10	1	3
25+0100W	0.2	27590	1	10	198	3.2	5	1860	2.0	6	20	50150	1160	13	3030	1076	3	120	15	1130	42	3	22	1	1	23.8	137	1	1	1	8	2	4
25+0150W	0.2	30060	1	12	205	3.6	5	1720	3.2	6	15	49270	870	14	4800	821	3	90	17	1220	33	3	18	1	1	23.7	118	1	1	1	10	2	6
25+0200W	0.2	35700	1	15	231	5.2	6	2470	4.5	13	37	59660	960	24	4230	1255	4	120	46	520	110	4	31	1	1	17.3	242	1	1	1	10	2	5
25+0250W	0.1	25620	1	8	189	2.8	3	1290	2.9	6	17	51550	800	12	3920	1114	3	100	17	1000	39	2	21	1	1	16.7	153	1	1	1	8	2	3
25+0300W	0.2	27390	1	9	207	3.2	4	960	2.5	6	18	47050	940	12	3450	1044	3	130	16	650	43	2	18	1	1	17.2	130	1	1	1	7	2	4
25+0350W	0.4	21540	1	5	156	3.1	5	1290	2.4	9	19	54290	940	13	3210	1030	2	120	12	340	48	2	23	1	1	19.9	101	1	1	1	7	1	4
25+0400W	0.2	26030	1	9	279	3.1	5	1940	4.0	7	20	57010	890	12	3540	1535	3	130	15	330	53	2	25	1	1	20.4	135	1	1	1	8	2	3
25+0450W	0.2	15410	3	1	105	4.1	5	780	3.6	5	13	43740	910	11	5110	607	4	50	12	390	60	3	18	1	1	21.6	98	1	1	1	9	2	6
25+0500W	0.2	25150	1	8	161	3.6	5	890	2.5	10	16	54410	1030	20	3960	681	3	110	15	440	40	2	15	1	1	21.4	110	1	1	1	8	2	4
25+0550W	0.2	24250	1	6	227	2.6	4	1020	2.4	5	15	43090	910	12	2410	1066	3	110	12	390	43	1	18	1	1	15.4	92	1	1	1	6	1	2
25+0600W	0.4	26940	1	10	199	3.4	5	1310	2.8	6	16	53270	1010	14	3570	601	3	120	15	410	115	3	20	1	1	19.9	134	1	1	1	8	2	4
25+0650W	0.4	25600	1	10	227	3.7	5	1210	2.7	8	16	53370	1190	19	3850	1063	4	90	20	480	59	3	24	1	1	21.4	228	1	1	1	9	2	6
25+0700W	0.1	25070	1	10	192	3.0	4	1790	3.5	8	17	57910	1330	17	3730	1962	3	120	19	770	38	2	22	1	1	25.4	291	1	1	1	7	2	4
25+0750W	0.3	29330	1	12	144	3.0	5	2780	2.3	14	20	56890	1000	14	3690	1113	3	140	22	460	30	2	30	1	1	21.7	128	1	1	1	7	2	3
25+0800W	0.4	34300	1	16	163	5.0	6	850	3.2	26	25	58090	1370	21	3830	469	7	110	26	450	39	5	18	1	1	23.0	94	1	1	1	11	2	7
25+0850W	0.5	24710	1	8	164	4.5	5	1210	1.9	8	25	50000	960	15	3460	641	4	80	20	390	33	4	21	1	2	27.4	102	1	1	1	9	2	5
25+0900W	0.5	29640	1	12	100	4.1	4	1640	2.5	8	31	60900	1200	17	4310	431	6	90	17	240	31	4	26	1	1	33.2	65	1	1	1	8	2	4
25+0942W	0.3	30420	1	13	107	4.7	5	1530	3.2	9	31	52850	1360	18	5030	194	8	100	18	360	31	4	20	1	1	38.4	71	1	1	1	10	2	5

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
26+0050E	0.1	29970	1	11	152	2.3	3	850	2.0	6	19	65010	700	16	3540	192	2	180	11	830	22	1	2	1	1	32.7	77	1	1	1	5	1	1
26+0100E	0.1	22540	1	8	88	3.3	3	820	3.0	7	20	58520	800	15	7640	507	4	120	8	460	32	2	6	1	1	68.7	68	1	1	1	7	2	3
26+0150E	0.2	35900	1	15	127	2.9	4	1210	2.8	7	19	75850	870	19	3670	261	2	180	10	1800	33	2	1	1	1	39.4	84	1	1	1	7	1	1
26+0200E	0.5	45590	1	21	99	2.3	4	1540	4.0	7	15	81240	720	17	2530	610	2	240	12	2730	17	1	1	1	1	27.7	117	1	1	1	6	1	1
26+0250E	0.7	27300	1	10	96	3.2	4	740	2.8	7	30	61230	620	13	8050	484	4	120	10	660	35	3	4	1	1	65.5	75	1	1	1	7	2	3
26+0300E	0.2	38490	1	17	153	1.7	4	1210	2.7	5	15	74060	590	14	2220	1238	2	220	11	860	22	1	3	1	1	21.6	154	1	1	1	5	1	1
26+0350E	0.1	28100	1	10	157	2.5	3	1180	2.1	6	17	57440	840	15	4380	419	3	130	9	970	27	1	5	1	1	33.3	105	1	1	1	5	1	6
26+0400E	0.1	36790	1	16	249	2.5	3	1140	2.6	7	25	70500	1030	19	3380	821	2	230	13	660	26	1	4	1	1	27.7	174	1	1	1	5	1	4
26+0450E	0.1	14180	1	1	79	2.7	3	630	2.4	4	17	35870	810	12	4190	171	4	70	8	310	37	1	6	1	1	25.3	60	1	1	1	6	1	8
26+0500E	0.1	14910	1	1	292	1.8	3	1650	2.3	7	17	66270	920	10	2700	4273	1	160	8	900	42	1	10	1	1	28.4	105	1	1	1	5	1	2
26+0550E	0.4	23250	1	5	142	2.1	3	840	2.4	7	24	56990	1240	18	3010	336	2	150	10	160	34	1	6	1	1	27.0	84	1	1	1	5	1	8
26+0600E	0.1	45630	1	24	284	4.6	5	1520	4.3	11	56	83140	2560	32	5690	1513	4	200	27	690	59	4	12	1	1	39.4	149	1	1	1	9	1	16
26+0650E	0.1	15830	1	1	128	2.4	3	1340	2.4	5	23	46060	840	8	5990	210	3	50	9	360	28	1	9	1	1	32.8	49	1	1	1	5	1	16
26+0700E	0.2	23070	1	6	221	2.3	3	1790	2.4	6	15	60490	1100	19	4360	818	2	180	10	720	26	1	19	1	1	30.9	111	1	1	1	5	1	12
26+0750E	0.3	17180	1	1	89	2.6	4	1490	2.6	6	28	48220	1170	24	5370	364	3	120	15	200	30	1	12	1	1	29.5	68	1	1	1	5	1	18
26+0800E	0.4	28890	1	9	301	2.5	3	1310	3.0	6	23	58290	1140	16	3900	364	2	160	14	980	30	1	5	1	1	25.0	105	1	1	1	7	1	7
26+0850E	0.1	30610	1	12	494	3.0	4	1910	3.0	7	26	63450	1670	20	4760	1251	2	160	15	790	34	2	8	1	1	28.1	114	1	1	1	6	1	10
26+0900E	0.1	25890	1	10	385	2.3	3	2270	3.0	7	16	62890	2100	22	4070	1129	2	180	14	510	31	1	14	1	1	22.0	130	1	1	1	5	1	6
26+0950E	0.1	29380	1	12	435	3.5	4	3380	4.3	13	28	71320	2390	23	4600	2754	3	120	19	500	64	2	23	1	1	25.8	167	1	1	1	7	2	11
26+1000E	0.2	31630	1	14	256	3.3	5	2300	2.7	11	28	75930	2520	20	4620	1212	3	160	19	850	49	3	19	1	1	24.0	155	1	1	1	6	1	6
26+1050E	0.1	20290	1	6	486	2.5	3	3570	2.7	8	20	55780	1970	16	3190	3207	3	150	11	1120	45	1	32	1	1	19.2	137	1	1	1	5	1	6
26+1100E	0.1	24850	1	8	322	3.1	4	1100	3.4	10	17	63930	1770	17	3850	1737	3	120	10	980	42	1	11	1	1	24.6	99	1	1	1	6	1	5
26+1150E	0.4	24820	1	8	198	2.7	3	2540	3.0	7	20	60110	1650	16	4130	485	2	170	15	990	39	1	20	1	1	24.5	123	1	1	1	5	1	7
26+1200E	0.4	32350	1	14	212	3.5	5	1980	3.8	10	29	83520	3180	20	6210	611	3	150	24	950	49	3	19	1	1	29.4	131	1	1	1	8	2	35
26+1250E	0.3	30370	1	10	270	2.6	4	2840	2.6	7	25	56580	1400	15	3230	694	3	230	14	1130	44	1	33	1	1	19.4	118	1	1	1	6	2	6
26+1300E	0.2	39030	1	16	292	3.3	4	3040	3.3	10	28	71220	2260	27	4070	850	3	220	21	550	51	2	36	1	1	24.8	247	1	1	1	6	1	12
26+1350E	0.1	29240	1	9	429	2.6	3	2710	3.4	8	24	66730	1930	19	3980	1548	2	200	18	650	48	1	33	1	1	20.3	180	1	1	1	5	1	9
26+1400E	0.1	27110	1	8	342	3.3	4	2490	4.0	11	28	68050	2060	18	4240	2661	4	100	17	740	63	3	34	1	1	24.1	143	1	1	1	7	1	11
26+1450E	0.1	25440	1	8	384	2.7	3	5380	4.6	9	25	63070	1970	18	4300	3415	3	150	16	810	75	1	67	1	1	21.2	163	1	1	1	6	1	14
26+1550E	0.6	38550	1	19	291	2.1	4	2500	2.8	7	39	82890	1000	21	2630	174	1	290	14	2740	27	1	20	1	1	19.9	144	1	1	1	5	1	3
26+1600E	0.4	36030	1	16	572	1.3	3	3630	2.1	5	14	82570	880	21	2050	785	1	360	10	3910	22	1	41	1	1	14.6	133	1	1	1	3	1	1
26+0050W	0.4	22610	1	4	211	2.5	4	740	2.2	4	14	43730	620	12	3250	409	2	90	14	510	26	2	15	1	1	25.5	111	1	1	1	7	2	3
26+0100W	0.4	33470	1	15	243	3.2	5	810	2.9	6	18	54130	570	12	3440	895	3	100	14	790	33	3	12	1	1	20.6	92	1	1	1	9	2	4
26+0150W	0.1	14940	1	1	68	2.4	3	530	1.7	16	28	41130	450	12	2290	2265	2	110	11	130	43	1	14	1	1	19.1	43	1	1	1	5	1	4
26+0200W	0.1	16390	1	1	152	3.2	3	640	2.1	4	19	33050	570	10	3410	586	3	30	11	760	35	2	9	1	1	16.6	56	1	1	1	6	2	4
26+0250W	0.1	20320	1	5	119	4.4	6	1340	5.4	29	58	60070	690	17	3490	2904	3	110	37	270220		3	21	1	1	21.2	179	1	1	1	9	2	4
26+0300W	0.1	13740	1	1	92	3.4	4	790	2.5	4	12	41630	810	11	3110	267	3	40	10	540	44	2	13	1	1	24.0	93	1	1	1	8	3	5
26+0350W	0.4	21760	1	5	164	2.7	3	660	1.8	7	14	38660	690	10	2270	713	3	80	11	420	43	1	14	1	1	17.0	75	1	1	1	6	2	3
26+0400W	0.3	29290	1	10	85	2.8	4	350	1.9	20	40	58840	480	8	2140	416	2	130	14	360	59	2	6	1	1	19.3	65	1	1	1	7	1	1
26+0450W	0.2	35730	1	16	145	2.8	5	780	2.7	6	16	67790	630	15	2590	903	2	110	15	540	28	3	10	1	1	24.1	97	1	1	1	10	1	2
26+0500W	0.5	31330	1	13	82	2.8	5	430	2.4	15	34	61770	600	13	2300	384	2	130	14	420	56	2	8	1	1	20.1	91	1	1	1	8	1	2
26+0550W	1.0	46830	1	24	67	2.7	5	510	2.7	8	37	79290	510	13	1910	213	2	170	17	640	58	4	3	1	1	19.9	166	1	1	1	8	1	1
26+0600W	0.1	19270	1	4	166	3.1	4	970	2.6	5	14	53270	1040	15	3840	1169	4	70	10	260	61	2	13	1	1	32.7	108	1	1	1	9	2	5
26+0650W	0.3	32760	1	14	143	3.4	4	500	2.5	12	35	57560	660	14	3030	815	4	90	18	590	36	3	7	1	1	23.7	99	1	1	1	9	2	5
26+0700W	0.7	22240	1	7	96	2.8	4	760	2.2	5	16	48530	760	10	2440	823	3	80	10	850	30	2	12	1	1	18.6	66	1	1	1	7	2	3
26+0750W	0.3	22460	1	6	116	3.7	5	670	2.0	20	18	53020	830	15	2780	474	2	90	17	640	30	3	12	1	1	23.8	89	1	1	1	8	2	4
26+0800W	0.2	19470	1	4	149	3.6	4	730	2.3	7	18	41620	940	17	3140	718	4	70	15	290	26	2	14	1	1	25.5	56	1	1	1	8	2	5
26+0850W	0.1	26170	1	9	125	3.0	4	1610	2.7	5	21	54320	930	12	3170	759	3	120	12	800	24	2	19	1	1	25.3	68	1	1	1	6	1	2
26+0900W	0.3	32650	1	15	114	3.0	4	1640	2.1	6	24	61890	880	15	3980	389	4	130	15	710	24	3	18	1	1	31.7	80	1	1	1	9	1	2
26+0940W	0.1	23870	1	8	207	3.0	4	1630	2.6	6	21	57400	1110	15	4170	1598	3	140	15	690	29	2	21	1	1	34.8	110	1	1	1	7	2	3

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
27+0050E	0.2	27650	1	9	190	2.0	3	1310	2.3	8	12	71410	1020	19	2930	996	2	170	11	370	32	1	10	1	1	26.2	106	1	1	1	5	1	2
27+0100E	0.1	26390	1	8	140	2.0	3	2250	2.7	6	15	58270	810	14	2980	1158	3	150	10	740	28	1	24	1	1	24.9	114	1	1	1	5	1	3
27+0150E	0.1	18520	1	3	215	1.9	2	800	2.3	6	13	53170	640	13	2900	1898	3	120	8	710	31	1	8	1	1	23.6	83	1	1	1	6	2	3
27+0200E	0.7	30190	1	9	116	2.7	3	990	2.4	6	22	51690	860	13	4760	361	3	140	10	550	35	1	8	1	1	32.1	61	1	1	1	7	1	5
27+0250E	0.2	28110	1	8	126	2.6	3	1040	2.5	6	23	59110	820	13	4170	1220	3	160	8	410	32	1	10	1	1	31.3	84	1	1	1	6	1	3
27+0300E	0.1	20690	1	5	99	3.1	4	810	2.8	6	16	58620	630	14	5820	959	4	90	9	830	38	3	7	1	1	59.3	60	1	1	1	7	2	7
27+0350E	1.2	43300	1	20	145	1.9	4	1260	2.1	7	21	83150	670	16	2470	506	2	240	11	620	34	1	5	1	1	26.1	103	1	1	1	5	1	1
27+0400E	1.3	41460	1	17	218	2.1	4	1170	2.5	6	16	80200	560	17	2320	620	2	230	12	750	17	1	5	1	1	26.8	165	1	1	1	5	1	2
27+0450E	0.6	38940	1	18	118	2.5	4	1120	2.4	7	20	65750	620	17	2500	765	3	170	10	1070	27	2	3	1	1	26.7	106	1	1	1	6	1	2
27+0500E	0.4	42610	1	20	165	3.2	5	700	2.6	12	28	78600	950	23	2810	986	4	180	12	1580	39	4	1	1	1	28.4	159	1	1	1	8	2	7
27+0550E	0.3	26410	1	8	160	1.6	3	1460	2.0	6	14	57980	550	11	1780	1256	2	150	9	820	27	1	8	1	1	20.4	109	1	1	1	4	1	2
27+0600E	0.9	25150	1	7	144	2.0	3	730	2.4	6	13	56360	530	15	2550	503	2	140	9	520	28	1	5	1	1	24.7	117	1	1	1	5	1	4
27+0650E	0.6	20560	1	4	160	3.4	3	830	2.9	6	15	48290	670	12	4120	1126	4	120	11	1180	53	3	7	1	1	29.9	97	1	1	1	8	3	6
27+0700E	0.2	25070	1	9	135	3.0	3	950	1.9	7	17	58090	940	16	3960	437	3	120	12	620	36	2	8	1	1	28.5	124	1	1	1	7	2	7
27+0750E	0.6	31580	1	12	128	2.9	4	1270	2.7	10	24	64880	960	21	4040	346	4	140	18	480	41	3	12	1	1	30.9	135	1	1	1	7	1	9
27+0800E	0.3	26930	1	8	264	2.1	3	2480	2.2	6	22	67940	870	16	4110	1535	2	180	13	730	31	1	22	1	1	31.2	127	1	1	1	5	1	12
27+0850E	0.8	34500	1	13	225	1.8	3	1850	2.9	6	15	77390	720	19	2900	959	2	230	11	750	19	1	13	1	1	23.0	116	1	1	1	5	1	4
27+0900E	0.7	28010	1	10	247	2.5	3	1380	2.9	6	20	59290	1020	16	3900	389	3	140	14	1520	20	1	7	1	1	25.6	109	1	1	1	5	1	9
27+0950E	0.1	19160	1	3	365	2.3	3	1450	2.6	6	16	45680	920	15	3390	1467	3	110	11	1330	35	1	15	1	1	19.4	108	1	1	1	6	1	7
27+1000E	0.1	22200	1	4	353	1.9	3	1530	1.9	6	13	64320	1120	17	3280	1843	2	170	10	1560	32	1	11	1	1	25.0	150	1	1	1	5	1	6
27+1050E	0.5	25980	1	7	327	3.4	4	2150	3.2	8	19	68700	1560	20	4950	884	2	120	16	390	40	2	15	1	1	32.9	108	1	1	1	7	1	8
27+1100E	0.4	22370	1	5	158	3.0	3	1180	3.0	7	18	58550	1490	15	4010	738	3	90	11	400	42	2	8	1	1	25.3	87	1	1	1	6	1	7
27+1150E	0.1	28740	1	10	209	3.0	4	2290	2.7	13	35	72940	1730	19	3880	1773	2	120	17	1340	54	2	19	1	1	23.7	136	1	1	1	8	1	5
27+1200E	0.1	31710	1	13	275	4.1	5	1910	4.1	13	35	71310	2400	22	4860	2010	4	100	23	790	87	4	16	1	1	27.6	245	1	1	1	8	2	11
27+1250E	0.6	33650	1	14	113	4.2	6	1260	3.2	14	74	93400	2360	21	6870	519	3	100	22	590	79	4	4	1	1	40.5	123	1	1	1	8	1	18
27+1300E	0.1	29220	1	10	377	3.8	5	1910	3.8	11	32	71140	1730	18	4460	2627	4	100	18	950	72	3	13	1	1	27.6	165	1	1	1	8	3	11
27+1350E	0.2	26350	1	8	204	3.5	4	1450	3.1	10	23	74330	1580	19	4660	1430	3	90	15	920	60	2	10	1	1	30.7	141	1	1	1	8	2	19
27+1400E	0.3	25260	1	7	425	1.9	3	2080	1.9	6	14	67690	1200	22	3150	1320	1	230	14	1200	34	1	22	1	1	19.3	242	1	1	1	4	1	6
27+1450E	0.3	30740	1	11	221	3.4	4	1130	3.0	13	42	66110	1490	21	4030	1358	3	130	21	840	76	2	11	1	1	22.2	170	1	1	1	7	1	7
27+1500E	0.1	30950	1	12	409	3.4	4	3450	3.6	13	30	70020	1910	21	4220	1886	3	150	24	1350	55	3	36	1	1	25.2	219	1	1	1	6	1	15
27+1550E	0.1	24130	1	6	331	3.1	4	1130	3.0	8	20	57550	1560	16	3650	1787	3	90	14	950	46	2	10	1	1	17.7	112	1	1	1	5	2	6
27+1600E	0.6	26310	1	7	206	2.9	4	1420	2.5	7	21	63170	1180	15	3520	329	3	110	12	840	33	1	10	1	1	21.1	82	1	1	1	5	1	6
27+1700E	0.3	20230	1	5	448	2.8	3	2430	2.8	7	23	44270	1780	19	3890	853	4	100	13	740	47	2	29	1	1	17.7	173	1	1	1	6	3	12
27+0050W	0.1	21780	1	7	126	3.4	4	420	3.0	6	17	60010	770	14	3540	1825	3	80	12	890	49	3	7	1	1	27.3	80	1	1	1	7	2	3
27+0100W	0.3	19220	1	4	66	3.4	4	440	2.3	16	26	51910	590	18	3180	690	3	70	13	330	42	2	10	1	1	23.6	66	1	1	1	9	2	4
27+0150W	0.1	22900	1	7	206	2.7	3	1860	2.1	6	22	51160	860	12	2860	1472	3	100	18	520	35	2	27	1	1	17.0	96	1	1	1	5	1	4
27+0200W	0.2	32170	1	15	129	3.2	5	550	2.7	7	15	62310	710	17	3160	352	3	90	15	550	52	4	8	1	1	22.2	128	1	1	1	6	2	4
27+0250W	0.3	17640	1	3	107	3.6	5	860	2.7	6	13	44250	850	14	3230	849	3	60	13	440	72	3	15	1	1	26.5	125	1	1	1	9	2	4
27+0300W	0.6	36530	1	17	172	3.4	6	900	3.2	8	18	59270	670	15	2840	388	3	120	17	700	42	3	9	1	1	20.7	180	1	1	1	8	3	5
27+0350W	0.8	25260	1	9	82	3.2	6	460	2.2	11	30	70300	680	17	2820	219	2	130	22	410	58	3	10	1	1	22.2	130	1	1	1	6	2	3
27+0400W	0.3	17620	1	2	97	2.7	3	450	1.7	12	25	59600	530	10	1970	253	1	120	18	190	48	1	10	1	1	20.5	71	1	1	1	7	1	1
27+0450W	0.4	17270	1	2	104	3.6	4	450	1.9	4	9	38360	620	13	2620	228	4	40	8	380	47	3	12	1	1	24.5	64	1	1	1	10	1	2
27+0500W	0.6	32880	1	15	109	3.2	6	460	2.8	13	25	62670	810	16	3190	902	3	90	18	650	72	4	7	1	1	24.7	218	1	1	1	8	1	2
27+0550W	0.4	25200	1	10	153	4.9	7	990	3.3	4	19	54600	930	12	3310	296	8	60	12	470	76	5	16	1	1	23.7	97	1	1	1	8	1	1
27+0600W	0.8	32800	1	15	102	3.9	6	660	2.8	10	29	68060	790	17	3570	440	4	80	19	560	49	5	9	1	1	38.4	141	1	1	1	9	2	5
27+0650W	0.4	27650	1	15	212	3.7	5	640	2.1	6	22	53780	840	10	4720	275	4	70	15	1910	34	2	9	1	1	27.0	66	1	1	1	9	2	5
27+0700W	0.2	28150	1	13	174	3.6	4	880	2.7	21	14	55000	890	16	3450	1237	4	100	21	920	31	2	15	1	1	23.4	113	1	1	1	7	2	3
27+0750W	0.3	32520	1	17	184	3.8	6	1970	2.0	8	33	78710	1740	20	6790	1352	2	160	21	830	28	2	32	1	1	56.5	109	1	1	1	8	2	4
27+0800W	0.1	27950	1	13	167	3.0	5	1450	2.3	7	21	63960	1180	14	4420	1214	4	140	13	1260	28	1	25	1	1	33.3	72	1	1	1	8	2	5
27+0850W	0.3	25150	22	12	81	6.4	9	1010	4.4	11	63	89140	4720	15	13890	525	7	40	18	220	47	6	26	1	1	130.2	67	1	1	1	6	1	2
27+0900W	0.1	22740	1	10	352	3.7	5	4820	3.0	9	37	62200	1160	13	4620	4879	4	130	16	630	38	1	60	1	1	36.9	168	1	1	1	9	1	2
27+0927W	0.3	29310	1	14	135	3.7	5	1220	2.1	8	21	69890	1120	18	4380	932	5	140	15	2100	28	2	15	1	1	40.4	86	1	1	1	7	2	3

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
28+0050E	0.5	24860	1	9	180	2.5	4	1470	2.8	9	16	75880	1010	16	3790	1159	2	180	12	400	30	1	12	1	1	37.6	150	1	1	1	5	1	2
28+0100E	0.8	32790	1	10	229	2.4	4	2120	3.3	8	17	73140	910	15	3430	1845	3	210	13	430	32	2	17	1	1	32.7	131	1	1	1	5	1	2
28+0150E	0.1	33420	1	13	191	2.0	4	1040	3.2	7	19	68410	760	15	2550	1769	2	210	12	790	27	1	3	1	1	22.3	119	1	1	1	5	1	1
28+0200E	0.9	35460	1	15	148	2.8	4	650	2.9	9	17	58180	590	14	2810	846	4	140	12	680	38	2	2	1	1	19.6	168	1	1	1	6	2	2
28+0250E	0.7	17330	1	1	107	1.7	3	850	2.5	5	8	55110	650	11	2650	297	2	120	7	600	26	1	5	1	1	23.4	83	1	1	1	4	1	6
28+0300E	1.1	19920	1	2	99	1.5	3	570	1.8	5	9	63760	470	9	1430	334	2	130	5	810	27	1	1	1	1	22.4	79	1	1	1	4	1	1
28+0350E	1.2	38600	1	16	207	3.0	4	1020	2.8	8	31	80450	920	22	2960	323	3	210	14	380	37	2	5	1	1	38.4	137	1	1	1	6	1	4
28+0400E	0.6	40570	1	17	161	2.5	4	1000	3.0	6	14	64370	490	14	2290	695	3	210	10	1340	31	2	2	1	1	20.1	140	1	1	1	5	1	1
28+0450E	0.2	9160	1	1	92	2.6	2	320	1.9	3	8	24290	590	4	3060	392	4	40	5	310	35	1	8	1	1	21.3	38	1	1	1	5	2	4
28+0500E	1.3	42860	1	20	125	3.5	5	970	3.5	7	17	86190	580	21	2570	120	3	200	12	340	42	4	5	1	1	31.3	116	1	1	1	8	1	6
28+0550E	1.0	24370	1	4	97	1.5	3	570	2.0	4	11	62890	450	14	1580	127	2	150	5	210	21	1	1	1	1	29.9	70	1	1	1	4	1	2
28+0600E	0.8	21600	1	4	117	3.2	4	1570	2.8	5	11	53420	890	16	3590	300	4	110	9	370	41	2	13	1	1	34.9	95	1	1	1	7	2	5
28+0650E	0.7	35040	1	13	131	2.5	3	1850	2.4	11	14	58160	700	16	2620	986	3	170	11	560	28	2	10	1	1	22.0	157	1	1	1	6	1	5
28+0700E	0.9	43690	1	23	174	2.5	3	1140	1.8	6	19	68310	540	15	2510	380	2	220	10	940	26	2	6	1	1	21.2	109	1	1	1	6	1	2
28+0750E	0.2	29220	1	12	193	2.0	3	1680	2.0	6	13	67140	670	16	2440	1065	1	220	9	880	25	1	14	1	1	24.4	109	1	1	1	5	1	3
28+0800E	0.5	32380	1	15	162	3.8	5	2950	2.7	7	18	94570	1100	28	4670	213	2	130	11	1380	42	2	22	1	1	44.8	94	1	1	1	8	1	11
28+0850E	0.4	31310	1	12	167	2.0	3	1400	2.6	6	24	70450	810	15	3740	626	2	220	11	1060	26	1	9	1	1	26.3	81	1	1	1	5	1	11
28+0900E	0.6	33960	1	13	219	2.4	3	1350	2.1	7	20	73320	780	18	3100	287	2	200	13	790	27	1	9	1	1	26.2	95	1	1	1	6	1	4
28+0950E	0.1	36830	1	18	473	3.6	4	1800	3.4	10	19	72680	1400	38	4610	1089	3	150	19	4480	46	3	5	1	1	29.5	208	1	1	1	8	1	17
28+1000E	0.2	25590	1	9	237	2.8	3	1920	2.5	7	19	59160	1320	18	3940	592	2	130	14	720	35	1	15	1	1	24.1	118	1	1	1	6	1	7
28+1050E	0.1	14260	1	1	155	2.6	3	870	2.0	7	11	42740	1230	17	3320	1464	3	70	9	420	37	1	10	1	1	19.7	90	1	1	1	6	2	12
28+1100E	0.2	31560	1	12	136	5.2	5	2610	3.9	33	59	60070	2540	27	5850	1321	4	80	22	800127	5	21	1	2	31.0	117	1	1	1	10	1	21
28+1150E	0.1	27070	1	11	270	3.5	4	1960	2.8	9	21	47430	1660	24	3810	438	3	110	17	980	45	3	24	1	1	20.7	190	1	1	1	7	2	17
28+1200E	0.1	31950	1	15	354	3.8	4	2790	4.0	12	30	64700	2640	18	3560	1877	3	110	17	2590	60	4	26	1	1	20.6	184	1	1	1	8	2	8
28+1250E	0.1	27250	1	11	496	3.5	4	2930	3.8	9	33	57680	2410	21	3780	4904	3	130	16	780106	3	37	1	2	23.1	194	1	1	1	8	2	13
28+1300E	0.3	33350	1	16	464	3.9	4	3290	3.1	10	40	59200	2320	25	4530	456	4	160	21	1200	77	3	28	1	1	22.5	201	1	1	1	8	1	11
28+1350E	0.3	32690	1	13	382	3.7	5	2240	3.9	10	22	83030	1830	27	5490	1055	2	160	24	1260	54	3	22	1	1	30.2	265	1	1	1	7	1	32
28+1400E	0.1	15780	1	2	332	2.7	3	10040	2.9	7	19	49650	1500	10	3240	1571	2	100	10	500	86	1	72	1	2	18.9	88	1	1	1	6	1	7
28+1500E	0.6	32570	1	14	172	4.1	6	2090	3.7	16	41	90330	1980	23	5200	1309	3	140	23	680	71	5	24	1	1	27.7	142	1	1	1	9	1	14
28+1550E	0.3	32810	1	16	161	3.1	4	2770	2.5	11	48	75150	1290	19	3690	853	2	130	16	570	48	2	43	1	1	21.3	116	1	1	1	7	1	4
28+1600E	0.1	27460	1	12	265	3.1	4	4340	2.2	9	30	64750	1760	19	3790	660	2	140	16	1000	53	3	56	1	1	17.2	116	1	1	1	7	1	5
28+1650E	0.1	12830	1	1	92	2.9	4	1440	2.3	8	26	48740	1670	13	4490	285	3	40	13	330	42	1	17	1	1	18.8	66	1	1	1	5	2	11
28+1700E	0.4	27040	1	9	288	3.2	3	2460	2.4	9	23	61430	1540	20	4420	427	2	90	14	1060	43	2	27	1	1	21.4	101	1	1	1	6	2	8
28+0050W	0.3	23590	1	9	169	3.3	5	650	2.3	5	14	60700	910	16	4100	391	3	100	10	380	37	1	15	1	1	29.0	66	1	1	1	7	2	6
28+0100W	0.5	40600	1	21	143	3.4	4	1150	2.5	5	22	62930	790	12	3160	537	2	140	18	760	38	1	14	1	1	17.6	71	1	1	1	8	1	2
28+0150W	0.7	22940	1	8	139	3.3	3	550	1.4	5	12	40590	760	11	3840	372	3	90	11	510	43	1	15	1	1	18.1	83	1	1	1	7	2	6
28+0200W	0.6	32560	1	15	136	2.6	4	1360	2.0	5	16	63760	780	13	2910	518	2	160	11	620	35	1	20	1	1	24.1	95	1	1	1	6	1	3
28+0250W	0.6	40130	1	25	138	3.2	5	510	2.4	6	26	67780	800	16	3230	259	2	120	15	470	34	1	8	1	1	21.7	96	1	1	1	9	1	3
28+0300W	0.3	30800	1	14	160	3.5	5	990	2.4	6	17	59180	1060	13	4100	919	4	110	14	460	36	2	19	1	1	25.8	102	1	1	1	9	1	4
28+0350W	1.3	27610	1	10	129	2.4	4	620	1.5	11	15	66280	710	14	2280	1005	1	140	11	620	30	1	12	1	1	23.5	115	1	1	1	5	1	2
28+0400W	1.0	34340	1	16	111	3.2	4	800	2.0	8	17	59840	780	14	2470	298	4	130	18	450	32	1	13	1	1	21.4	169	1	1	1	8	2	4
28+0450W	0.8	26430	1	11	115	4.6	6	630	2.8	25	40	70730	1110	20	2850	322	5	130	24	330	78	3	18	1	1	29.3	150	1	1	1	10	2	6
28+0500W	0.8	28630	1	17	120	2.9	5	740	2.0	6	14	68250	780	14	2280	472	1	140	10	440	25	1	12	1	1	26.4	93	1	1	1	7	1	3
28+0550W	0.7	21770	1	6	124	3.5	5	510	1.8	4	13	46690	960	9	2510	368	4	80	9	420	26	2	17	1	1	22.4	76	1	1	1	7	2	5
28+0600W	0.9	31370	1	14	108	2.9	5	600	1.3	9	17	68710	850	14	2760	90	2	130	17	320	30	1	12	1	1	23.6	123	1	1	1	6	1	4
28+0650W	0.5	36580	1	19	146	3.5	5	740	2.2	9	14	76310	900	19	3120	791	2	130	15	740	22	2	11	1	1	31.9	77	1	1	1	7	1	3
28+0700W	0.5	22730	1	9	144	3.3	6	890	1.8	11	18	85750	1250	22	4290	883	2	130	18	350	26	1	19	1	1	54.6	105	1	1	1	7	1	3
28+0750W	1.5	28480	1	12	127	3.2	6	1280	2.2	9	38	91060	1050	13	3570	1744	1	190	16	740	24	1	24	1	1	52.9	132	1	1	1	7	1	1
28+0800W	0.5	26690	1	11	136	3.4	6	1710	2.6	8	24	95350	1400	24	7070	1663	1	180	13	280	33	2	33	1	1	68.2	96	1	1	1	8	1	2
28+0850W	0.1	17020	1	4	178	3.2	5	1990	2.1	6	19	65040	1220	15	3910	2024	3	120	13	550	26	1	32	1	1	39.4	99	1	1	1	7	2	5
28+0900W	0.2	19590	1	6	231	3.6	3	1200	1.8	7	17	62790	1080	16	3810	1656	4	110	12	650	40	2	22	1	1	35.9	129	1	1	1	8	1	5
28+0940W	0.3	11200	2	1	62	3.1	4	580	1.0	4	13	39400	720	10	3490	147	3	70	9	130	24	1	19	1	1	28.7	45	1	1	1	6	2	5

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
29+0050E	0.4	33050	1	14	146	1.8	4	1130	2.6	7	14	79420	790	19	2520	1036	2	220	11	780	20	1	8	1	1	22.4	79	1	1	1	5	1	1
29+0100E	0.5	38530	1	17	128	2.3	4	1190	3.4	7	19	66090	700	12	2760	436	3	220	10	990	28	2	9	1	1	19.1	87	1	1	1	6	1	2
29+0150E	0.1	19000	1	3	103	2.6	3	1660	2.5	9	24	49030	970	21	3940	986	3	190	16	240	35	1	19	1	1	28.2	130	1	1	1	6	2	6
29+0200E	0.4	26490	1	9	155	2.4	4	1230	2.7	9	13	48840	860	14	3540	857	3	150	9	700	35	1	11	1	1	17.5	84	1	1	1	5	1	8
29+0250E	0.8	38540	1	17	189	1.7	5	2130	2.3	10	14	83030	650	18	2430	836	1	250	11	1140	18	1	12	1	1	24.5	115	1	1	1	5	1	1
29+0300E	0.8	44410	1	21	194	1.9	4	1140	3.0	7	17	76670	590	16	2210	860	2	270	11	1090	18	1	5	1	1	20.9	133	1	1	1	5	1	3
29+0350E	0.5	18330	1	3	115	1.9	3	910	1.9	6	14	60320	600	11	2580	240	2	140	7	320	28	1	10	1	1	32.3	58	1	1	1	5	1	3
29+0400E	0.3	32340	1	12	157	2.7	3	1960	3.2	6	23	63570	540	13	2970	877	2	140	10	1110	32	1	14	1	1	24.2	113	1	1	1	7	1	4
29+0450E	0.3	21100	1	4	107	3.1	3	2180	2.0	6	11	42210	640	9	2680	326	3	100	8	580	39	1	18	1	1	23.6	68	1	1	1	6	1	4
29+0500E	0.1	23170	1	5	131	3.4	3	2130	3.4	7	19	55290	870	23	3540	1478	3	120	16	710	81	2	17	1	1	28.0	151	1	1	1	8	1	12
29+0550E	0.1	9690	1	1	52	2.2	3	410	2.1	3	12	38680	490	3	2940	108	3	50	6	370	30	1	5	1	1	30.7	35	1	1	1	5	2	5
29+0600E	0.1	35490	1	15	215	2.2	3	970	3.0	5	13	54440	590	17	2160	985	3	130	9	1170	21	2	2	1	1	19.5	172	1	1	1	7	1	4
29+0650E	0.8	49780	1	25	122	3.1	4	680	2.5	7	18	81720	620	21	2380	208	3	210	17	590	41	3	1	1	1	24.8	182	1	1	1	8	1	4
29+0700E	0.2	13050	1	1	116	1.6	2	1060	1.4	4	10	42240	630	8	2600	829	2	110	5	250	36	1	10	1	1	29.2	49	1	1	1	5	1	4
29+0750E	0.4	16790	1	3	150	2.7	2	800	2.4	5	14	49180	640	16	3690	742	3	90	9	760	40	1	9	1	1	29.0	77	1	1	1	7	2	6
29+0800E	0.1	32340	1	12	198	2.2	3	1350	2.4	6	15	63990	600	18	3740	912	3	150	13	1350	23	2	9	1	1	25.8	114	1	1	1	6	1	14
29+0850E	0.3	28710	1	11	109	2.8	3	1360	2.6	7	16	66650	680	17	4000	174	2	110	12	380	30	2	10	1	1	31.4	66	1	1	1	6	2	12
29+0900E	0.1	15280	1	1	106	2.2	2	970	3.2	5	14	48400	790	15	3950	625	2	80	9	670	30	1	7	1	1	26.3	85	1	1	1	5	2	8
29+0950E	0.4	33430	1	13	271	2.8	4	1310	2.7	7	22	70250	1050	24	4000	542	2	160	18	700	34	1	8	1	1	29.1	110	1	1	1	7	1	8
29+1000E	0.1	22610	1	5	301	1.9	3	1600	1.8	5	14	55930	800	14	2190	1589	2	160	11	1730	26	1	11	1	1	18.3	122	1	1	1	4	1	6
29+1050E	0.1	19130	1	3	272	3.1	3	1520	2.9	7	15	45490	1520	14	3340	1263	3	70	11	1080	41	2	12	1	1	19.1	105	1	1	1	6	2	7
29+1100E	0.2	25730	1	13	153	3.9	4	2660	3.9	11	43	59500	1670	18	4470	1417	4	80	18	660	58	4	21	1	2	24.6	115	1	1	1	8	2	14
29+1150E	0.1	24030	1	6	207	3.2	3	1010	2.4	6	14	39080	1310	15	2930	244	3	110	12	510	36	1	12	1	1	16.0	95	1	1	1	6	2	7
29+1200E	0.1	25080	1	8	235	3.2	4	2440	2.8	9	29	52090	1670	17	4160	277	3	150	16	300	45	2	26	1	1	23.2	116	1	1	1	6	2	13
29+1250E	0.1	23540	1	9	163	4.0	4	2910	3.5	13	38	57450	1930	17	4150	2396	4	80	17	1110	79	4	26	1	1	25.3	135	1	1	1	9	3	10
29+1300E	0.1	23990	1	8	212	3.1	4	2790	2.6	9	23	63810	1510	16	3970	1525	3	110	14	570	50	2	25	1	1	25.0	109	1	1	1	7	1	8
29+1350E	0.1	26620	1	11	159	3.6	4	3000	3.5	12	28	68840	1870	19	4340	2004	3	100	16	590	61	3	46	1	1	22.2	119	1	1	1	7	1	7
29+1400E	0.1	18050	1	5	181	3.0	4	2790	2.5	12	29	67870	1260	16	3180	2369	2	80	12	700	63	2	35	1	1	31.4	110	1	1	1	6	2	7
29+1450E	0.1	21810	1	8	415	3.3	4	9760	5.0	18	51	63550	1610	17	3290	4721	4	110	24	1810	84	3105	1	2	17.2	332	1	1	1	7	2	5
29+1500E	0.6	30290	1	13	347	2.8	5	3720	3.0	11	32	114730	2430	54	9560	713	1	130	21	1630	39	1	30	1	1	31.9	127	1	1	1	4	1	19
29+1550E	0.7	35020	1	15	150	3.1	5	2270	2.4	9	31	84550	1690	25	4690	391	2	150	16	580	39	2	20	1	1	23.8	90	1	1	1	7	1	5
29+0050W	0.4	23460	1	2	148	2.4	3	740	2.9	5	12	49680	580	14	2470	835	2	100	5	530	45	2	15	1	1	20.0	86	1	1	1	4	3	6
29+0100W	0.6	39150	1	10	116	2.3	2	700	2.2	6	16	68560	470	14	2010	432	2	120	8	690	27	1	12	1	1	19.9	110	1	1	1	4	5	5
29+0150W	0.5	38500	1	12	102	2.4	5	730	2.8	6	18	65940	440	11	1840	321	2	90	5	650	24	1	11	1	1	18.1	70	1	1	1	5	5	4
29+0200W	0.1	23010	1	2	188	2.3	3	870	2.7	5	10	59510	680	15	2110	1449	1	100	8	380	33	3	18	1	1	22.4	91	1	1	1	4	4	6
29+0250W	0.2	25200	1	4	179	3.3	3	720	1.2	6	18	55420	680	15	2960	1204	4	70	7	920	37	4	14	1	1	22.9	83	1	1	1	5	4	7
29+0300W	0.5	27210	1	3	96	2.5	3	520	3.9	5	12	53650	580	17	3200	625	2	90	7	560	37	2	10	1	1	21.0	86	1	1	1	4	2	6
29+0350W	1.1	31570	1	7	118	2.3	3	450	1.7	5	18	54160	510	12	1960	145	2	110	5	560	24	3	12	1	1	18.3	71	1	1	1	4	3	6
29+0400W	0.1	22800	1	2	127	2.8	3	580	2.7	6	9	52400	780	16	2180	678	2	90	4	320	22	4	15	1	1	31.1	72	1	1	1	4	3	7
29+0450W	0.5	31940	1	8	95	2.9	4	690	2.4	7	16	63050	800	19	1960	216	4	110	6	400	21	2	17	1	1	20.9	91	1	1	1	5	5	6
29+0500W	0.4	35500	1	8	130	3.2	4	850	2.7	6	17	59400	580	16	2070	227	3	100	7	510	18	2	14	1	1	20.7	72	1	1	1	4	4	7
29+0550W	1.0	43340	1	14	89	3.9	4	580	1.9	11	50	68050	680	16	1770	156	6	130	14	540	36	1	17	1	1	21.3	106	1	1	1	6	6	9
29+0600W	0.2	26220	1	4	106	2.6	3	360	2.4	6	12	58480	510	16	1880	372	2	100	3	630	16	3	14	1	1	27.3	64	1	1	1	5	4	6
29+0650W	0.2	33610	1	9	96	3.5	4	720	3.0	7	13	60050	620	18	2020	158	4	100	5	520	32	3	17	1	1	26.8	65	1	1	1	5	5	7
29+0700W	0.2	21620	1	1	135	2.2	3	620	3.3	9	33	68930	1020	15	3100	4090	1	120	12	420	16	1	16	1	1	54.2	165	1	1	1	4	3	4
29+0750W	0.4	24930	1	3	106	2.2	4	1360	1.7	7	18	71160	900	18	4480	1959	2	110	9	270	20	1	22	1	1	45.2	100	1	1	1	5	4	5
29+0800W	0.1	27290	1	6	250	2.8	4	1430	2.3	7	14	77370	1020	18	4600	2807	1	120	11	1470	36	1	22	1	1	46.1	125	1	1	1	5	5	8
29+0850W	0.2	38890	1	12	134	3.7	4	550	3.9	8	21	69770	700	21	3330	856	4	120	15	660	21	2	16	1	1	32.5	121	1	1	1	5	6	6
29+0900W	0.2	23350	1	2	134	2.7	3	930	1.9	7	21	46990	590	14	1590	574	2	110	9	220	21	4	15	1	1	18.4	81	1	1	1	4	5	7

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
30+0050E	0.6	31340	1	12	158	2.1	3	810	2.1	8	18	63010	810	15	2650	1422	3	180	10	460	38	1	7	1	1	22.2	80	1	1	1	5	1	3
30+0050E	0.2	28590	1	10	174	2.5	3	790	2.9	7	11	55930	780	17	2900	654	3	100	9	440	33	2	6	1	1	21.2	107	1	1	1	5	1	3
30+0100E	0.1	23260	1	6	147	4.0	4	770	3.5	9	26	51170	880	13	4260	611	4	110	13	830	61	2	12	1	1	16.4	81	1	1	1	8	3	6
30+0150E	0.9	37830	1	16	108	3.0	4	700	2.8	8	15	69360	520	16	2480	466	2	150	9	640	28	3	5	1	1	28.5	86	1	1	1	6	2	2
30+0200E	0.6	35060	1	14	192	2.5	4	1970	2.8	8	16	70540	980	17	2920	1155	3	180	16	880	53	2	18	1	1	23.5	148	1	1	1	9	2	4
30+0250E	0.4	27320	1	8	328	2.5	3	1270	2.8	8	14	68060	830	20	3130	436	3	150	12	2200	49	1	11	1	1	27.5	160	1	1	1	7	3	4
30+0300E	0.2	23910	1	6	233	2.3	3	1520	2.4	7	15	58680	890	15	3560	1376	3	150	12	650	43	1	18	1	1	29.3	135	1	1	1	5	2	4
30+0350E	0.6	15380	1	1	190	2.2	4	760	1.6	6	19	58660	710	11	2860	336	2	110	6	1770	59	1	9	1	1	27.0	81	1	1	1	7	2	3
30+0400E	1.0	32360	1	12	167	3.0	4	1040	2.8	7	29	71810	770	15	2820	583	2	160	9	930	34	2	8	1	1	34.6	116	1	1	1	6	2	5
30+0500E	0.2	20360	1	4	104	3.0	4	1000	3.0	6	24	42930	710	10	4110	530	3	70	9	750	40	2	10	1	1	27.6	85	1	1	1	6	4	6
30+0550E	0.1	10840	1	1	88	1.7	2	1380	1.9	4	10	33370	700	5	2680	1258	2	60	6	360	26	1	12	1	1	24.3	56	1	1	1	5	2	10
30+0600E	0.1	41760	1	20	181	1.9	4	830	2.5	5	12	69890	470	14	2030	1954	2	190	9	1920	24	2	1	1	1	20.9	135	1	1	1	5	2	1
30+0650E	0.4	36040	7	19	132	6.1	6	3200	5.0	14	73	65940	1680	36	6370	1143	6	130	24	400	153	7	27	1	1	51.6	113	1	1	1	12	5	22
30+0700E	0.8	28680	1	9	98	1.6	3	540	1.9	5	14	61000	390	12	1520	513	1	130	6	670	21	1	2	1	1	21.5	92	1	1	1	5	1	1
30+0750E	0.4	24740	1	6	189	1.8	4	940	2.7	6	11	75710	640	13	2320	1227	1	160	8	960	29	1	8	1	1	27.7	112	1	1	1	5	1	3
30+0800E	1.2	37700	1	18	158	3.9	5	1930	3.3	9	45	66460	1160	31	4780	326	3	180	27	340	54	4	19	1	1	33.6	176	1	1	1	10	2	15
30+0850E	0.5	36360	1	17	156	2.6	4	1560	2.3	7	13	65620	980	20	2730	664	2	160	13	1430	27	2	12	1	1	19.8	156	1	1	1	6	2	5
30+0900E	0.3	17310	1	3	153	2.1	4	1620	2.3	6	14	54970	1020	19	3960	377	2	110	10	530	36	1	14	1	1	28.7	113	1	1	1	5	2	8
30+0950E	0.3	18420	1	3	127	2.7	3	1540	2.8	6	27	53940	1140	10	5340	484	3	70	10	590	38	1	12	1	1	29.4	67	1	1	1	6	4	10
30+1000E	0.5	29410	1	11	460	2.8	4	1920	3.3	7	18	64180	1490	18	3800	767	3	170	13	1600	34	3	11	1	1	25.9	142	1	1	1	5	2	6
30+1050E	0.8	41710	1	21	430	4.0	5	1830	3.1	9	35	74660	1610	28	4620	297	2	180	23	730	52	4	17	1	1	31.0	169	1	1	1	9	2	11
30+1100E	0.1	25400	1	9	279	2.8	4	2990	2.8	9	21	62130	1350	16	3590	2245	3	90	12	1000	45	2	24	1	1	22.8	124	1	1	1	6	2	5
30+1150E	0.1	22700	1	8	337	3.0	3	1170	2.8	8	20	51110	1510	16	3810	1470	4	70	14	2450	49	2	17	1	1	20.4	145	1	1	1	7	4	9
30+1200E	0.1	21490	1	7	288	3.3	4	850	2.7	8	14	59090	1330	21	3680	1183	3	90	12	1630	49	2	10	1	1	20.2	190	1	1	1	7	3	6
30+1250E	0.1	31660	1	14	498	3.0	4	2890	3.3	9	28	69300	1590	18	3530	2257	3	130	15	870	52	3	29	1	1	23.1	144	1	1	1	6	3	7
30+1300E	0.1	21660	1	8	520	2.2	4	4260	3.3	7	15	55550	2120	16	2980	2303	2	160	14	2000	125	1	63	1	1	16.5	467	1	1	1	5	3	7
30+1350E	0.1	26780	1	17	475	3.3	5	5630	5.1	15	69	72000	2870	23	4200	4652	3	210	20	3090	131	4	61	1	1	29.0	263	1	1	1	8	3	10
30+1400E	0.1	21750	1	6	249	3.4	5	2950	3.1	21	36	65230	1630	22	4130	2236	3	90	19	1270	86	3	39	1	1	22.9	258	1	1	1	7	3	8
30+1450E	0.8	32950	1	15	177	3.7	5	1780	3.3	12	60	76430	2050	33	6470	312	3	70	21	690	62	4	21	1	1	28.4	101	1	1	1	7	3	12
30+1500E	0.9	51130	1	29	378	4.3	6	4590	4.0	12	70	101820	2370	49	5600	887	3	160	28	1330	72	6	55	1	2	30.2	139	1	1	1	8	2	15
30+0100W	0.1	18930	1	1	130	2.7	3	670	2.5	5	10	54950	710	16	2510	980	2	70	5	440	35	4	13	1	1	22.8	77	1	1	1	4	2	8
30+0150W	0.1	16040	1	1	86	1.8	2	450	2.0	10	8	48800	560	15	1470	2382	1	100	5	390	22	3	8	1	1	20.4	100	1	1	1	3	2	6
30+0200W	0.1	24650	1	3	101	3.7	3	360	2.9	5	12	50970	600	17	2540	1068	3	60	5	760	43	5	13	1	1	20.8	100	1	1	1	5	3	8
30+0250W	0.5	30930	1	6	108	2.8	3	440	1.8	5	14	46630	620	15	1590	635	2	120	4	770	47	3	12	1	1	21.7	90	1	1	1	5	4	7
30+0300W	0.1	19630	1	1	151	3.1	3	460	2.7	4	13	42300	750	13	2510	721	3	70	5	390	36	5	12	1	1	21.1	67	1	1	1	4	3	9
30+0350W	0.8	27170	1	3	99	2.4	3	400	2.9	5	11	58200	450	13	1440	1002	1	120	3	510	29	1	9	1	1	21.5	86	1	1	1	4	3	5
30+0400W	0.2	24020	1	2	123	2.1	3	450	1.9	4	11	45910	590	14	1730	580	1	110	4	260	22	3	11	1	1	22.5	53	1	1	1	4	4	6
30+0450W	0.4	37870	1	12	83	3.2	4	390	3.3	4	11	65790	430	15	1350	295	3	130	1	570	21	1	13	1	1	27.7	80	1	1	1	5	6	6
30+0500W	0.4	33080	1	7	80	2.4	3	420	1.8	4	11	57840	430	14	1220	396	1	110	1	520	13	1	10	1	1	21.5	60	1	1	1	4	4	4
30+0550W	0.8	47950	1	17	70	2.3	4	460	2.4	5	18	70490	440	16	1510	482	1	200	1	810	10	1	11	1	1	19.0	67	1	1	1	5	6	4
30+0600W	0.4	33920	1	9	108	3.0	4	420	3.0	6	13	76640	490	16	1910	541	3	120	2	940	25	1	15	1	1	32.5	73	1	1	1	5	5	7
30+0650W	0.1	14500	1	1	63	2.4	1	160	1.3	3	12	23860	400	9	1970	94	3	50	6	260	20	6	8	1	1	12.9	37	1	1	1	3	1	5
30+0700W	0.3	24090	1	2	116	2.7	3	620	2.4	6	12	54590	630	17	1990	696	2	100	4	260	20	3	13	1	1	34.4	54	1	1	1	4	3	5
30+0750W	0.4	27830	1	3	90	3.7	4	480	2.4	7	19	59100	660	16	5060	475	6	30	8	870	29	4	16	1	1	69.1	89	1	1	1	5	6	5
30+0800W	0.1	25030	1	1	90	2.7	4	440	2.1	6	17	56710	710	16	3290	526	2	100	8	410	20	1	12	1	1	42.2	77	1	1	1	4	4	7
30+0850W	0.1	30650	1	7	165	3.3	4	750	3.2	8	23	69060	840	19	3500	512	3	110	13	420	30	1	19	1	1	55.9	111	1	1	1	5	7	6
30+0900W	0.1	23830	1	2	206	3.0	5	1020	3.3	7	13	51600	750	20	2390	441	3	90	10	400	23	2	19	1	1	21.5	61	1	1	1	4	4	8
30+0950W	0.1	23720	1	2	141	3.0	4	800	2.0	7	13	50910	730	20	2600	506	2	100	9	450	28	2	18	1	1	22.6	57	1	1	1	5	4	10

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
31+0050E	0.4	29590	1	10	121	3.3	5	560	2.5	7	14	57930	780	16	3950	522	3	80	10	570	41	3	6	1	1	25.3	70	1	1	1	7	2	6
31+0100E	0.2	38300	1	18	128	3.8	4	440	4.1	7	13	59080	730	22	6170	440	4	90	9	710	65	4	1	1	1	28.6	120	1	1	1	6	1	4
31+0150E	0.1	20380	1	5	78	3.8	3	360	3.0	5	18	38950	550	13	4180	126	6	40	9	470	49	3	5	1	1	18.4	60	1	1	1	6	4	2
31+0200E	0.1	34040	1	16	111	2.8	4	570	3.4	7	15	64040	690	17	3560	356	3	120	10	810	34	2	1	1	1	21.8	93	1	1	1	5	2	1
31+0250E	0.7	38000	1	20	123	1.5	3	760	2.9	6	21	74870	610	14	2530	623	2	240	7	910	12	1	1	1	1	20.8	116	1	1	1	1	1	1
31+0300E	0.4	22140	1	11	165	2.2	3	1390	2.4	7	14	65590	860	19	4450	1464	3	140	11	490	34	1	13	1	1	33.7	102	1	1	1	5	2	1
31+0350E	0.4	24500	1	9	103	3.2	4	660	3.6	7	22	54910	700	14	4210	443	4	80	10	580	27	3	5	1	1	33.9	67	1	1	1	7	3	1
31+0400E	0.3	27210	1	11	137	1.9	3	1140	2.6	6	14	71080	660	14	2250	1216	2	150	8	570	18	1	5	1	1	27.9	102	1	1	1	3	1	1
31+0450E	0.1	21860	1	8	160	3.9	3	1070	4.0	8	26	55270	880	15	4300	1480	4	90	11	320	42	3	13	1	1	53.9	85	1	1	1	7	4	3
31+0500E	0.1	24060	1	9	124	3.5	4	1350	3.7	8	28	59390	590	12	3190	804	4	100	9	540	35	2	7	1	1	28.2	103	1	1	1	5	4	1
31+0550E	0.8	31200	1	14	116	3.1	3	760	2.6	7	19	65670	710	17	3070	873	3	120	12	730	35	3	2	1	1	25.5	146	1	1	1	5	1	1
31+0600E	1.5	38040	1	17	138	4.7	3	2000	3.7	5	69	56250	1260	19	3530	158	5	140	15	610	47	4	12	1	1	27.2	65	1	1	1	6	1	8
31+0650E	0.7	39820	1	18	142	2.3	3	820	2.8	6	19	68290	690	15	3020	543	3	180	10	2310	20	2	1	1	1	25.5	119	1	1	1	3	1	1
31+0700E	0.3	17330	1	3	67	2.9	3	630	2.0	5	16	39910	560	10	3890	121	4	60	8	300	32	3	6	1	1	25.5	67	1	1	1	5	3	3
31+0750E	0.2	8750	1	1	57	1.5	2	570	1.8	3	9	43020	590	6	2330	75	2	70	6	170	18	1	7	1	1	29.3	57	1	1	1	2	4	1
31+0800E	0.4	30600	1	12	140	2.4	3	830	2.5	7	15	52730	520	15	3060	512	3	130	10	940	18	2	4	1	1	24.2	123	1	1	1	4	1	1
31+0850E	0.7	35050	1	13	150	2.4	4	1380	3.2	8	14	75280	600	18	2760	347	2	140	9	2210	24	2	5	1	1	27.3	142	1	1	1	4	1	2
31+0900E	0.7	38000	1	15	165	1.3	4	1120	2.6	5	17	76960	570	15	1740	1341	1	240	9	1640	18	2	1	1	1	19.4	200	1	1	1	2	1	1
31+0950E	0.9	39990	1	16	149	3.1	4	1590	3.3	7	23	74180	930	21	3060	769	3	160	18	1050	39	5	7	1	1	25.7	167	1	1	1	4	1	4
31+1000E	1.3	37380	1	15	219	2.7	5	1610	2.9	8	25	85000	980	24	3030	1032	2	210	17	840	29	3	9	1	1	27.1	160	1	1	1	4	1	1
31+1050E	0.1	16050	1	1	143	3.0	2	1190	1.9	6	17	43610	820	18	5000	339	3	60	11	320	28	3	13	1	1	28.7	87	1	1	1	5	4	8
31+1100E	0.1	12460	1	1	128	2.4	2	1800	1.6	5	14	38830	940	11	3800	533	3	50	8	350	28	2	15	1	1	22.0	66	1	1	1	5	3	6
31+1150E	0.1	26060	1	4	555	2.6	3	1410	2.3	6	15	57800	1100	15	3190	1008	2	150	10	1920	33	2	12	1	1	22.1	142	1	1	1	4	1	2
31+1200E	0.8	30330	1	9	196	4.7	4	1430	3.8	12	33	65770	2030	23	4700	835	5	70	21	530	66	6	14	1	1	27.5	156	1	1	1	8	2	8
31+1250E	0.5	27800	1	6	180	4.1	4	1810	3.4	12	34	65590	1870	18	4730	865	5	60	19	610	55	6	17	1	1	25.5	130	1	1	1	6	1	8
31+1300E	0.1	29260	1	8	248	3.4	4	1930	2.9	10	17	57800	1800	16	3550	943	4	120	19	1710	50	4	25	1	1	18.5	160	1	1	1	5	3	4
31+1350E	0.4	27700	1	8	351	3.1	3	2450	3.0	9	17	60640	1690	18	3210	1185	2	130	15	2020	44	3	28	1	1	17.0	151	1	1	1	4	1	1
31+1400E	0.5	28980	1	7	297	3.2	4	1970	2.4	9	19	67590	1810	19	3880	823	3	130	17	920	46	4	23	1	1	20.0	169	1	1	1	5	3	5
31+1450E	0.1	36510	1	12	473	4.9	5	6370	5.0	12	43	69460	2200	28	4500	2691	4	90	32	1530	78	7	57	1	8	25.6	320	1	1	1	8	1	8
31+1500E	1.2	36920	1	26	261	4.3	5	2040	5.7	12	33	85500	2290	24	5060	3031	4	80	26	980	161	3	18	1	1	28.9	275	1	1	1	8	2	11
31+1550E	0.1	21530	1	9	198	3.6	3	2870	3.1	14	30	63990	1420	16	4480	2169	3	90	17	1260	80	2	32	1	1	31.2	179	1	1	1	6	2	13
31+1600E	0.1	21530	1	5	315	3.5	3	2190	4.0	24	38	51030	1150	15	3240	5515	4	70	13	1100	84	2	21	1	1	19.4	159	1	1	1	5	4	5
31+1650E	0.4	32980	1	14	226	2.0	5	3470	3.6	17	39	142050	2110	34	10520	1384	1	90	27	1200	45	1	42	1	1	36.1	164	1	1	1	3	1	13
31+1700E	0.7	38270	1	18	159	2.8	5	3070	3.5	13	45	111110	2580	28	8000	537	1	130	24	850	51	2	29	1	1	33.3	121	1	1	1	5	1	21
31+0050W	0.1	22830	1	1	117	3.9	4	370	4.2	6	18	36080	650	20	4330	156	6	30	12	490	78	7	17	1	1	20.2	106	1	1	2	6	5	13
31+0100W	0.1	16840	1	1	96	2.9	2	310	1.9	4	8	36790	710	14	2080	1599	4	60	6	350	43	6	10	1	1	25.7	52	1	1	1	4	4	10
31+0150W	0.8	29720	1	6	84	2.2	4	410	3.1	6	13	68430	470	14	1790	399	3	120	4	370	37	1	14	1	1	28.4	89	1	1	1	5	6	8
31+0200W	1.0	36900	1	12	105	3.9	4	410	3.3	6	14	67670	720	20	3230	416	8	110	8	630	81	4	21	1	1	28.0	112	1	1	1	7	9	12
31+0250W	1.2	46390	1	17	107	2.5	4	570	2.4	6	16	83310	600	18	1950	1054	5	220	5	920	21	1	19	1	1	26.9	101	1	1	1	6	6	8
31+0300W	2.0	35700	1	8	147	0.9	4	670	2.6	5	17	78190	520	15	1530	1682	2	260	5	680	14	1	14	1	1	22.7	88	1	1	1	4	3	10
31+0350W	0.8	46910	1	15	91	2.1	4	400	3.6	7	22	71820	510	13	1580	351	5	200	3	490	24	1	17	1	1	24.3	88	1	1	1	5	5	9
31+0400W	0.7	36550	1	10	59	2.3	4	380	1.4	4	13	66790	490	15	1700	89	4	200	2	530	21	1	16	1	1	25.4	64	1	1	1	5	5	7
31+0450W	1.6	46330	1	18	101	2.0	4	910	1.0	6	19	76620	510	14	1400	311	4	290	2	940	17	1	20	1	1	24.9	86	1	1	1	6	6	6
31+0500W	1.0	43880	1	13	86	2.8	4	490	2.1	9	40	81720	520	21	1680	59	3	220	6	430	12	1	19	1	1	26.0	66	1	1	1	5	6	9
31+0550W	0.7	56730	1	20	65	2.5	4	800	2.4	6	18	72930	370	15	1400	269	5	240	1	690	16	1	20	1	1	21.6	76	1	1	1	5	6	7
31+0600W	0.7	47550	1	17	94	2.7	4	740	1.2	6	24	68400	480	16	1910	271	4	240	5	590	22	1	20	1	1	20.2	64	1	1	1	5	6	5
31+0650W	0.6	35510	1	9	93	2.3	4	560	1.6	6	20	64740	390	13	1530	855	4	200	4	710	18	1	15	1	1	22.5	67	1	1	1	5	5	5
31+0700W	0.4	28910	1	5	78	2.7	4	380	2.6	5	16	43350	490	15	2260	214	5	100	5	650	25	5	14	1	1	21.6	69	1	1	1	5	5	8
31+0750W	0.8	39170	1	15	148	5.4	6	710	2.2	12	37	88170	780	26	2720	11114	140	11	440	52	4	29	1	1	1	42.1	93	1	1	1	9	9	13
31+0800W	0.4	26850	1	2	136	2.5	2	430	2.2	5	15	42310	580	15	2470	400	3	100	9	790	38	4	12	1	1	19.2	66	1	1	1	5	3	9
31+0850W	0.4	36000	1	9	118	2.1	4	870	2.2	5	19	64890	800	17	2480	311	2	180	6	670	21	1	16	1	1	23.3	60	1	1	1	5	4	8
31+0900W	0.6	40870	1	13	156	1.7	5	740	2.0	6	17	83270	610	17	2020	747	3	260	4	700	13	1	19	1	1	27.6	70	1	1	1	6	5	8

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
32+0050E	0.1	13750	2	1	141	3.6	3	810	3.6	4	20	33070	960	6	1970	918	5	60	8	460	153	3	10	1	1	19.7	107	1	1	1	6	4	4
32+0100E	0.4	45600	1	24	102	2.7	3	1230	4.0	9	13	73150	520	15	2130	823	3	160	8	1010	86	1	1	1	1	21.8	114	1	1	1	4	1	1
32+0150E	0.1	25260	1	9	165	4.2	4	480	3.9	7	19	47810	660	13	6440	1044	4	60	9	410	50	4	6	1	1	53.1	89	1	1	1	7	3	2
32+0200E	0.3	24850	1	8	139	2.0	4	700	2.8	7	15	79600	620	16	2620	616	2	140	8	920	30	1	3	1	1	31.6	99	1	1	1	4	1	1
32+0250E	0.3	30460	1	15	152	2.4	4	620	2.8	9	18	74560	680	18	2810	1295	2	150	11	530	31	2	2	1	1	28.6	107	1	1	1	4	1	1
32+0300E	0.4	31990	1	12	182	2.2	3	1020	2.8	6	18	62420	640	15	3110	489	3	160	10	970	27	1	4	1	1	25.8	117	1	1	1	4	1	1
32+0400E	0.1	16980	1	3	83	3.2	3	380	2.7	5	19	33890	700	7	4920	379	4	40	8	390	34	2	5	1	1	25.4	58	1	1	1	5	2	2
32+0450E	0.5	38710	1	17	145	2.6	3	710	3.0	8	16	66520	560	19	2780	314	2	160	11	580	20	1	2	1	1	23.8	99	1	1	1	3	1	1
32+0500E	0.3	34800	1	18	185	1.6	2	860	2.9	7	13	75460	420	12	1620	1262	2	160	7	2260	38	1	1	1	1	23.8	117	1	1	1	2	1	1
32+0550E	0.1	23940	1	10	156	2.8	3	1650	2.3	7	13	57670	910	15	2720	1136	3	130	8	710	39	2	11	1	1	24.8	126	1	1	1	5	2	2
32+0600E	0.3	19860	1	5	79	3.6	3	2580	2.7	4	20	51620	700	16	2950	273	4	90	9	410	44	3	14	1	1	22.4	108	1	1	1	8	4	3
32+0650E	1.1	40350	1	17	163	6.0	5	2260	4.8	8	58	78990	1190	28	5100	720	5	180	22	460	69	7	17	1	1	41.7	110	1	1	1	10	3	7
32+0700E	0.1	14370	1	1	176	3.1	3	590	2.0	5	13	31290	520	12	3480	498	4	40	7	420	36	2	7	1	1	21.5	89	1	1	1	5	4	3
32+0750E	0.1	27600	1	9	252	2.7	3	940	2.7	6	13	57310	560	15	2780	2375	3	110	9	1570	30	2	4	1	1	25.1	173	1	1	1	4	2	1
32+0800E	0.1	16880	1	4	125	3.3	3	830	2.9	7	17	39440	490	16	4300	259	4	60	8	540	49	3	9	1	1	27.0	76	1	1	1	7	4	7
32+0850E	0.2	24090	1	8	165	2.5	3	630	2.5	7	15	59450	430	14	2980	2167	2	110	9	530	31	2	5	1	1	29.7	144	1	1	1	5	1	2
32+0900E	0.5	30860	1	12	216	2.5	3	1250	3.1	6	18	67060	730	15	3090	562	2	150	11	360	22	1	8	1	1	26.4	114	1	1	1	4	1	2
32+0950E	0.7	35550	1	16	198	1.8	3	1290	2.1	7	16	75420	730	19	2770	680	2	200	10	1040	22	2	6	1	1	22.0	130	1	1	1	3	1	1
32+1000E	0.1	27150	1	12	213	3.1	4	2110	2.4	8	31	69920	880	19	5030	826	2	160	13	1660	35	3	11	1	1	41.4	129	1	1	1	5	1	12
32+1050E	0.5	35200	1	16	260	2.8	5	1660	3.1	7	16	85150	820	25	3720	323	2	180	14	480	33	3	13	1	1	36.0	200	1	1	1	5	1	3
32+1100E	0.1	16230	5	1	123	3.6	3	800	2.8	6	30	46210	1120	9	5860	371	4	40	10	320	42	3	9	1	1	30.1	58	1	1	1	6	4	8
32+1150E	0.2	24610	1	8	395	3.6	3	1250	2.9	7	17	45370	970	18	4440	681	3	80	13	420	42	4	13	1	1	28.0	97	1	1	1	7	4	8
32+1200E	0.1	26550	1	9	284	2.3	3	1610	2.3	6	12	54620	1070	13	2690	1465	3	100	13	1560	34	1	12	1	1	17.6	128	1	1	1	4	1	1
32+1250E	0.1	21620	1	4	292	2.0	3	1780	1.5	5	11	45640	770	12	2410	575	2	90	10	1720	27	1	24	1	1	15.2	146	1	1	1	4	1	1
32+1300E	0.1	19090	1	3	263	3.0	3	1540	2.7	6	13	37540	910	14	3240	1065	4	60	14	580	41	2	19	1	1	18.9	152	1	1	1	5	2	4
32+1350E	0.1	27360	1	9	178	3.8	4	1330	3.6	12	31	57470	1270	17	3860	1737	4	60	16	890	51	4	13	1	1	25.1	150	1	1	1	6	1	4
32+1400E	0.1	25640	2	10	235	4.8	5	3780	3.9	16	30	60820	2060	23	5220	2010	4	70	23	2000	86	5	39	1	1	27.4	184	1	1	1	8	2	27
32+1450E	0.1	22800	1	7	102	4.0	4	1700	3.5	11	34	50940	1560	14	3470	564	4	50	17	1100	63	4	19	1	1	20.6	154	1	1	1	7	3	6
32+1500E	0.1	23820	1	9	154	4.0	4	2470	3.7	11	29	57890	1860	17	4160	504	4	90	15	540	50	4	35	1	1	24.2	106	1	1	1	7	3	10
32+1550E	0.1	30710	1	14	232	4.9	4	4600	4.7	14	45	66290	1560	25	3770	2201	4	90	20	860	103	5	54	1	1	22.9	290	1	1	1	8	1	10
32+1650E	0.1	31220	1	16	381	3.8	5	3350	3.6	13	37	79540	1830	31	6770	1287	3	100	20	2020	56	3	36	1	1	26.9	182	1	1	1	6	1	9
32+1700E	0.1	39040	1	20	452	3.9	4	2010	3.5	10	28	74850	1460	26	4750	469	3	130	17	3860	58	5	21	1	1	20.1	139	1	1	1	7	1	6
32+0050W	0.5	34330	1	9	106	2.8	3	710	4.6	11	24	64330	820	18	3420	305	5	170	7	600	55	3	19	1	1	21.4	109	1	1	1	6	3	7
32+0100W	0.3	39810	1	14	81	3.0	4	330	4.0	6	14	56200	820	23	3160	137	7	110	8	670	77	4	20	1	1	24.3	112	1	1	2	7	7	12
32+0150W	2.1	63330	1	27	60	2.2	3	660	1.1	7	20	80850	290	12	1460	219	6	290	2	780	23	1	23	1	1	21.3	94	1	1	1	6	9	6
32+0200W	1.1	38710	1	13	123	2.3	5	750	2.3	6	17	72210	600	16	2050	318	4	200	3	580	37	1	20	1	1	26.2	104	1	1	1	5	6	8
32+0250W	0.9	40220	1	14	93	1.5	5	600	1.8	5	14	78230	610	18	1880	661	3	220	3	700	31	1	18	1	1	27.3	103	1	1	1	5	6	6
32+0300W	1.3	46150	1	15	108	2.4	3	570	2.1	7	15	74070	620	17	1880	652	3	170	5	590	28	1	16	1	1	26.3	118	1	1	1	5	6	9
32+0350W	1.4	40270	1	12	126	1.7	3	900	2.3	6	14	67600	550	16	1730	545	3	220	4	930	18	1	17	1	1	22.0	96	1	1	1	5	4	5
32+0400W	0.9	50050	1	19	76	2.4	3	520	2.0	5	15	66990	450	16	1660	121	5	200	3	640	16	1	18	1	1	21.3	81	1	1	1	5	6	7
32+0450W	0.7	50530	1	20	73	2.3	3	410	1.4	5	16	80270	410	14	1570	80	6	200	1	770	21	1	19	1	1	28.8	74	1	1	1	6	7	7
32+0500W	1.1	38400	1	10	43	1.6	3	530	1.8	5	16	73070	380	13	1250	43	1	230	1	540	13	1	14	1	1	25.3	51	1	1	1	5	2	6
32+0550W	0.7	47010	1	18	66	2.3	3	440	2.0	5	15	77810	440	16	1580	181	4	190	2	610	11	1	18	1	1	23.9	72	1	1	1	5	6	6
32+0600W	0.8	43440	1	15	71	2.3	3	580	2.0	6	15	68760	590	15	2050	166	5	270	4	520	22	1	19	1	1	20.7	80	1	1	1	6	6	7
32+0650W	0.4	41590	1	14	117	2.6	3	510	1.4	6	15	56340	550	16	2140	559	5	170	7	590	32	2	19	1	1	19.5	103	1	1	1	5	4	8
32+0700W	0.3	20460	1	1	58	2.5	2	370	2.5	4	16	36420	600	10	2390	175	4	70	6	330	32	7	13	1	1	16.4	44	1	1	1	4	4	11
32+0750W	0.1	7460	1	1	33	3.4	2	180	2.7	3	22	29870	660	2	1060	84	6	40	6	480	31	11	12	1	1	14.9	48	1	1	1	5	2	9
32+0800W	0.4	26990	1	6	108	2.8	4	460	2.1	6	19	51990	860	16	2570	232	4	120	9	460	24	5	14	1	1	20.4	63	1	1	1	5	3	8
32+0850W	0.5	37360	1	13	103	2.8	3	490	1.9	6	19	61570	650	19	2350	643	4	150	7	810	30	3	17	1	1	21.6	70	1	1	1	5	5	8
32+0900W	0.5	32020	1	7	131	1.7	3	550	2.1	6	19	66590	850	20	2360	518	2	160	5	450	16	1	14	1	1	22.6	59	1	1	1	5	2	8
32+0950W	0.1	19800	1	1	137	2.5	4	550	2.0	6	17	54380	780	15	2580	2140	3	80	10	320	31	4	14	1	1	22.5	62	1	1	1	5	5	9

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
33+0050E	1.2	27240	1	10	101	2.3	3	390	2.5	5	10	59420	400	15	1840	498	3	70	5	370	72	2	2	1	1	25.2	73	1	1	1	5	1	1
33+0100E	0.6	26100	1	9	106	4.7	5	560	3.3	4	10	53870	540	18	2630	183	5	50	7	730	122	6	6	1	1	30.8	76	1	1	1	8	7	4
33+0150E	0.1	24040	1	7	139	3.0	4	310	2.6	5	16	42920	440	12	3640	295	4	70	8	690	43	3	4	1	1	23.9	68	1	1	1	6	2	3
33+0200E	0.1	16810	1	3	149	2.5	2	1030	2.1	6	14	39120	500	11	2700	379	3	60	9	910	58	2	13	1	1	22.7	87	1	1	1	4	1	5
33+0250E	0.1	19720	1	5	158	3.6	3	1010	3.7	5	16	47660	540	15	3380	778	4	60	8	1700	41	3	8	1	1	32.3	78	1	1	1	6	3	2
33+0300E	0.1	32950	1	13	139	2.7	4	810	2.8	9	26	69670	610	16	3300	837	3	140	10	320	23	3	8	1	1	41.4	102	1	1	1	4	1	1
33+0350E	0.2	25990	1	15	214	1.4	3	800	1.6	6	12	65890	570	16	2000	1106	1	130	8	820	19	1	5	1	1	23.1	111	1	1	1	3	1	1
33+0400E	0.1	23180	1	7	133	2.1	3	520	3.0	6	12	56500	560	13	2730	1418	2	90	8	660	30	2	6	1	1	25.3	90	1	1	1	5	1	1
33+0450E	0.1	13580	1	1	132	2.0	3	430	1.7	5	13	40780	510	11	2620	819	3	80	7	150	28	2	8	1	1	30.1	50	1	1	1	5	2	2
33+0500E	0.1	31820	1	12	162	2.6	3	780	2.4	6	16	51940	570	15	2900	779	3	110	10	790	21	3	7	1	1	23.9	102	1	1	1	6	1	1
33+0550E	0.1	18840	1	3	147	2.9	4	660	1.7	5	11	46500	590	14	3350	836	3	60	7	820	32	3	7	1	1	26.6	96	1	1	1	5	2	4
33+0600E	0.1	35910	7	16	135	5.1	5	1650	3.5	8	213	59080	940	27	3610	508	4	100	17	510	54	6	12	1	1	31.3	148	1	1	1	8	1	13
33+0650E	0.1	25470	1	9	109	3.0	3	1250	2.7	5	26	48790	770	22	4790	374	3	90	16	160	35	3	14	1	1	26.0	114	1	1	1	5	2	6
33+0700E	0.1	26910	1	11	174	1.9	4	610	2.8	6	15	68110	520	13	2180	2401	2	130	7	1220	28	2	3	1	1	23.8	160	1	1	1	4	1	1
33+0750E	0.1	22930	2	7	142	4.8	4	970	2.9	7	19	47680	730	19	4170	341	4	50	11	330	51	5	12	1	1	31.9	133	1	1	1	8	3	6
33+0800E	0.1	13150	1	1	70	2.6	3	310	1.7	3	12	36250	410	7	3520	102	3	40	6	190	30	2	6	1	1	30.6	59	1	1	1	5	3	4
33+0850E	0.1	22980	1	7	129	2.3	3	740	1.9	4	12	67800	420	13	2020	172	2	100	7	400	33	2	7	1	1	29.8	85	1	1	1	5	1	1
33+0900E	0.1	21680	1	5	185	1.1	3	1070	2.0	7	19	74540	730	14	1920	1750	1	150	7	1670	28	1	3	1	1	24.3	114	1	1	1	9	1	1
33+0950E	0.3	39170	1	16	275	2.4	3	1400	3.0	7	22	65990	770	16	2730	770	2	210	11	700	25	2	7	1	1	19.5	109	1	1	1	4	1	1
33+1000E	0.1	25240	1	6	272	2.3	2	1650	2.3	6	13	55410	980	17	2730	823	2	130	9	980	23	1	9	1	1	20.3	133	1	1	1	4	1	3
33+1050E	0.1	44470	1	21	214	2.1	4	1320	3.1	8	17	79140	680	20	2430	878	1	200	10	1570	20	3	2	1	1	23.5	162	1	1	1	4	1	1
33+1100E	0.1	34180	1	11	286	2.0	3	1370	2.4	7	17	69610	800	15	2920	392	2	170	11	740	26	2	6	1	1	23.6	152	1	1	1	1	1	1
33+1150E	0.1	41070	1	19	386	1.8	4	1240	1.9	7	21	77690	990	20	2910	984	2	190	14	1530	24	2	4	1	1	23.9	142	1	1	1	4	1	1
33+1200E	0.1	28680	1	10	170	2.9	3	1950	2.6	6	28	66150	1200	15	4110	175	2	150	12	550	31	2	19	1	1	26.0	98	1	1	1	6	1	1
33+1250E	0.1	23770	1	6	267	2.1	3	1330	2.5	7	16	63920	1080	19	3430	573	2	120	11	210	32	2	13	1	1	28.3	133	1	1	1	3	1	2
33+1300E	0.1	29690	1	12	182	4.2	5	2700	3.8	24	38	80140	1720	24	4610	2799	4	120	31	640	84	5	29	1	1	24.5	251	1	1	1	7	2	2
33+1350E	0.1	31460	1	14	130	5.4	5	2660	3.9	22	52	81200	2240	23	5480	1337	4	90	39	760	99	6	31	1	1	26.9	209	1	1	1	9	3	13
33+1400E	0.1	26360	1	10	326	5.2	6	2950	5.8	15	40	91930	2860	22	6360	3628	3	70	24	1110	102	6	33	1	1	41.5	271	1	1	1	8	4	38
33+1450E	0.1	27370	1	10	207	4.4	4	5180	4.7	13	33	71620	2310	20	5180	2387	3	110	19	1410	106	5	52	1	1	27.2	191	1	1	1	7	3	9
33+1500E	0.1	31830	1	14	115	4.4	4	1920	3.5	16	49	74720	1650	23	4270	1438	3	80	26	1160	120	4	17	1	1	24.3	355	1	1	1	7	3	2
33+1550E	0.1	29620	1	12	175	4.4	5	3610	3.7	17	56	87650	2180	32	6920	3520	2	80	24	1250	123	5	34	1	1	30.8	217	1	1	1	7	2	10
33+0050W	0.1	16290	1	1	105	3.0	3	220	2.3	3	37	34680	850	5	2360	584	3	70	5	360	82	5	11	1	1	21.8	58	1	1	1	4	3	11
33+0100W	1.3	36980	1	15	157	2.1	4	790	1.4	6	16	76450	770	18	2100	1748	3	210	8	910	38	2	18	1	1	29.1	158	1	1	1	5	7	9
33+0150W	1.3	43380	1	17	35	1.8	4	760	2.4	5	41	88590	400	6	1720	61	3	440	2	520	34	1	20	1	1	16.7	60	1	1	1	5	7	4
33+0200W	2.0	22240	1	3	87	2.4	3	480	1.0	7	21	60260	920	17	1960	747	4	170	7	160	38	3	15	1	1	28.1	111	1	1	1	5	4	10
33+0250W	0.9	25020	1	4	107	1.8	3	490	1.1	4	16	49240	670	15	1540	295	2	170	2	330	25	3	12	1	1	20.2	77	1	1	1	4	3	6
33+0300W	1.6	37570	1	14	77	2.3	5	410	2.0	5	16	68520	400	15	1390	457	4	180	3	430	27	2	16	1	1	25.9	74	1	1	1	5	5	6
33+0350W	0.9	45610	1	18	80	2.1	3	510	1.3	7	16	65920	420	16	1620	539	4	200	2	900	30	2	18	1	1	22.0	102	1	1	1	5	6	7
33+0400W	0.6	41980	1	14	59	3.2	4	590	2.6	7	15	61980	530	12	1480	208	6	170	4	500	46	3	21	1	1	22.8	82	1	1	1	6	8	11
33+0450W	0.2	27390	1	4	99	2.1	4	620	2.3	6	12	70330	720	17	2430	195	5	150	3	470	26	2	18	1	1	32.5	83	1	1	1	5	4	10
33+0500W	0.3	36400	1	8	91	2.3	3	500	1.5	8	14	61530	570	17	1700	1838	3	180	7	1330	22	1	16	1	1	20.0	81	1	1	1	4	4	11
33+0550W	0.6	48660	1	16	95	2.6	3	630	2.0	7	22	73210	480	18	1880	329	6	270	4	610	8	1	18	1	1	21.0	101	1	1	1	4	4	6
33+0600W	0.4	39080	1	12	80	3.8	6	360	3.0	8	20	77400	490	12	1430	391	9	170	4	720	36	3	26	1	1	23.8	89	1	1	1	7	7	12
33+0650W	0.1	14830	1	1	129	1.8	2	1710	2.0	3	11	40120	970	10	1870	1163	2	100	6	830	21	6	16	1	1	19.0	80	1	1	1	4	3	7
33+0700W	0.1	22110	1	1	110	2.6	2	450	1.8	4	15	43640	690	19	1850	193	3	80	6	580	23	5	13	1	1	17.7	53	1	1	1	5	3	8
33+0750W	0.2	28670	1	3	86	2.4	2	410	3.2	5	20	54660	700	16	1700	447	2	110	5	460	13	2	12	1	1	21.2	48	1	1	1	4	3	7
33+0800W	0.2	29930	1	5	136	2.2	3	520	2.9	6	12	60090	650	18	1660	286	4	150	6	410	20	1	14	1	1	21.7	61	1	1	1	4	5	6
33+0850W	0.1	16590	1	1	141	1.6	2	690	2.0	4	6	45140	850	14	1840	1486	1	100	4	250	22	4	12	1	1	20.0	51	1	1	1	4	2	6
33+0900W	0.1	29030	1	5	107	2.3	3	420	2.2	5	8	52600	690	15	2260	310	4	100	4	440	19	4	15	1	1	20.2	57	1	1	1	4	3	7
33+0940W	0.1	18430	1	1	68	2.9	3	250	2.4	5	12	51380	790	17	3620	169	3	50	6	290	27	5	13	1	1	22.2	51	1	1	1	5	2	10

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
34+0050E	1.1	30390	1	11	114	2.8	5	600	3.1	8	18	76300	1010	22	2870	915	2	170	9	700	133	3	4	1	1	28.3	152	1	1	1	4	3	1
34+0100E	0.9	34510	1	14	80	5.4	6	570	4.5	6	17	89380	970	21	3500	98	4	120	13	640	89	6	3	1	1	43.1	82	1	1	1	10	4	15
34+0150E	1.7	41180	1	19	77	2.8	5	610	3.7	5	18	82060	860	21	2840	108	3	150	9	720	109	4	1	1	1	26.7	121	1	1	1	5	1	1
34+0200E	0.1	28940	1	10	161	2.3	4	690	2.9	9	13	67700	810	17	2740	1434	2	140	9	430	42	3	4	1	1	23.7	120	1	1	1	4	1	1
34+0250E	0.1	21300	1	3	110	3.9	2	500	3.5	6	21	44030	830	11	4360	385	4	80	10	800	40	4	7	1	1	21.0	80	1	1	1	5	4	3
34+0300E	0.1	24950	6	7	92	5.1	6	860	3.8	11	68	95350	1310	11	8200	596	3	60	14	190	45	6	11	1	1	106.6	69	1	1	1	9	6	1
34+0350E	0.1	26450	1	8	131	2.8	4	600	2.2	8	16	76970	680	20	3190	1355	2	140	10	1350	30	4	2	1	1	38.8	95	1	1	1	6	2	1
34+0400E	0.2	22430	1	6	130	1.1	3	910	2.0	8	13	90280	790	18	2470	676	1	180	7	1620	25	1	4	1	1	29.8	88	1	1	1	4	1	1
34+0450E	0.2	38500	1	16	220	1.5	2	1110	1.9	6	15	70900	620	16	2240	1734	2	230	10	1250	21	2	6	1	1	19.0	127	1	1	1	3	1	1
34+0500E	0.3	34590	1	14	175	2.4	4	1120	1.9	7	18	74660	830	19	3450	485	2	170	12	800	28	4	8	1	1	30.8	122	1	1	1	6	1	1
34+0550E	0.1	22640	1	5	110	4.2	4	1520	2.9	12	36	61330	1280	26	6660	1471	4	140	13	340	52	5	15	1	1	48.5	66	1	1	1	8	4	7
34+0600E	0.3	41160	1	20	143	4.2	5	1760	3.7	9	31	88700	1500	21	3930	1227	3	250	16	1140	57	5	12	1	1	30.6	159	1	1	1	6	2	2
34+0650E	0.1	35600	19	35	209	8.6	7	870	5.1	13	59	102250	1210	38	4210	1803	4	140	19	610	68	10	13	1	1	43.3	125	1	1	1	12	5	4
34+0700E	0.5	13700	1	1	90	1.1	4	1370	1.6	4	17	84150	720	7	2150	54	1	150	7	10	31	1	9	1	1	41.5	70	1	1	1	3	1	1
34+0750E	0.1	15970	1	1	74	3.6	3	950	2.8	5	22	41620	1040	13	5190	433	4	30	9	340	54	3	11	1	1	26.9	48	1	1	1	8	3	10
34+0800E	0.3	43050	1	21	88	2.4	3	900	3.0	5	20	95480	410	13	1730	302	1	230	7	650	22	3	1	1	1	31.1	69	1	1	1	6	1	1
34+0850E	0.1	31300	1	12	180	3.9	4	1470	3.6	31	57	88740	1140	19	4180	4479	4	220	17	600	121	4	12	1	1	35.2	144	1	1	1	8	2	5
34+0900E	0.1	27840	1	8	204	3.0	4	1010	2.9	8	17	68160	1020	19	4370	1280	3	170	13	500	40	3	11	1	1	33.0	150	1	1	1	6	2	4
34+0950E	0.1	30040	1	13	149	3.5	3	1230	3.2	9	34	70340	1350	23	3950	733	3	150	19	830	44	4	11	1	1	30.5	137	1	1	1	7	2	6
34+1000E	0.1	27340	1	9	665	1.8	3	2100	4.0	8	14	85140	1150	23	3100	3228	1	220	10	1650	28	1	11	1	1	24.3	212	1	1	1	4	1	2
34+1050E	0.1	48590	1	25	211	2.6	2	1000	2.9	7	19	76140	750	22	2260	432	2	220	11	1060	20	2	1	1	1	20.4	132	1	1	1	6	1	1
34+1100E	0.1	33890	1	13	400	2.4	3	910	2.2	6	20	67470	1100	19	2810	760	2	150	9	840	25	2	3	1	1	22.7	132	1	1	1	6	2	2
34+1150E	0.1	40990	1	21	360	2.0	3	1250	2.4	9	22	92650	900	23	2990	600	1	230	12	1540	22	2	2	1	1	26.5	187	1	1	1	4	1	1
34+1200E	0.1	42420	1	20	322	1.3	3	1550	2.5	5	17	91830	680	21	2130	764	1	290	10	2260	13	1	2	1	1	20.1	120	1	1	1	4	1	1
34+1250E	0.1	24550	1	8	339	2.3	3	1380	2.9	6	17	62610	1050	18	4160	1156	2	140	11	3260	27	2	7	1	1	27.0	125	1	1	1	5	2	5
34+1300E	0.1	26860	1	10	213	2.1	3	1510	2.1	6	16	71410	1030	18	3320	876	2	160	10	760	22	2	14	1	1	25.4	150	1	1	1	4	1	2
34+0050W	2.8	21540	1	8	96	3.6	8	840	1.6	13	22	105820	690	14	2660	656	1	160	13	330	125	2	17	1	1	32.9	132	1	1	1	10	2	1
34+0100W	0.8	18490	1	4	65	2.9	4	220	1.2	2	10	32180	460	7	2310	72	4	60	6	370	34	1	11	1	1	16.3	40	1	1	1	7	2	4
34+0150W	1.4	51010	1	27	50	1.9	5	520	1.8	4	16	77860	210	5	1410	343	1	180	6	950	20	1	8	1	1	20.4	49	1	1	1	8	1	1
34+0200W	0.6	53470	1	29	82	2.9	5	530	2.1	4	17	72480	560	13	2260	390	3	160	8	720	24	1	10	1	1	20.0	98	1	1	1	10	1	2
34+0250W	0.7	46710	1	23	77	3.0	5	480	2.6	4	14	67930	430	11	1660	215	2	140	6	520	33	2	11	1	1	19.0	59	1	1	1	8	1	3
34+0300W	0.9	35200	1	14	76	2.5	4	450	1.6	5	17	59140	520	9	1910	251	2	170	7	550	27	1	12	1	1	20.0	78	1	1	1	6	1	1
34+0350W	0.4	30060	1	11	71	4.1	5	370	1.8	5	15	50400	490	8	2020	159	4	110	8	500	34	3	16	1	1	19.4	71	1	1	1	10	3	6
34+0400W	0.2	13050	5	1	40	4.7	5	150	2.3	3	17	40930	740	1	4450	70	8	30	8	390	33	4	22	1	1	24.6	28	1	1	1	10	4	13
34+0450W	0.6	47480	1	23	78	4.4	6	360	2.5	9	15	59850	660	13	2700	469	6	110	9	760	28	4	12	1	1	21.2	50	1	1	1	13	1	7
34+0500W	0.1	13790	1	1	44	3.2	3	130	1.0	3	13	20850	540	3	3270	107	6	20	7	350	24	2	16	1	1	13.7	27	1	1	1	7	2	9
34+0550W	0.1	25660	1	7	60	3.1	3	720	1.2	3	13	35500	510	7	1860	360	5	110	6	640	26	1	14	1	1	17.1	46	1	1	1	7	1	5
34+0600W	0.1	8320	5	1	62	3.4	3	460	1.3	4	23	24370	630	3	2320	668	3	30	8	700	30	2	18	1	1	10.5	41	1	1	1	7	2	6
34+0650W	0.1	20090	1	3	76	3.3	3	400	1.9	5	19	39430	640	10	2130	603	3	60	11	710	20	2	15	1	1	14.6	35	1	1	1	8	1	4
34+0700W	0.1	21360	1	4	109	2.6	4	460	.7	4	17	47100	660	11	1770	653	2	90	8	410	17	1	16	1	1	19.9	42	1	1	1	7	1	4
34+0750W	0.3	32670	1	13	107	2.3	4	490	1.2	4	13	61450	710	12	1970	486	1	130	11	500	13	1	13	1	1	19.4	39	1	1	1	7	1	2
34+0800W	0.2	23380	1	6	104	2.4	4	450	1.0	3	8	56070	650	9	1840	262	1	120	7	430	16	1	15	1	1	20.3	29	1	1	1	7	1	2
34+0850W	0.3	17530	1	3	86	2.5	4	510	.9	5	10	52070	660	8	1920	328	2	90	7	270	23	1	16	1	1	23.6	31	1	1	1	6	1	4
34+0900W	0.3	19220	1	5	79	3.6	4	830	1.3	6	7	52360	1080	15	3570	229	2	70	11	320	26	2	20	1	1	24.7	34	1	1	1	9	2	6

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
35+0050E	3.6	34450	1	11	145	2.9	4	920	3.5	7	22	67880	900	17	3540	385	3	180	10	660144	4	7	1	1	1	32.9	139	1	1	1	6	2	3
35+0050E	0.2	19380	1	3	68	1.7	2	500	2.3	2	10	44090	700	8	1830	264	2	90	4	330	36	1	4	1	1	25.9	49	1	1	1	4	1	4
35+0050E	0.3	38880	1	18	154	3.0	4	730	3.9	8	18	69250	790	20	2840	1219	3	160	10	720	41	4	3	1	1	21.9	121	1	1	1	7	1	3
35+0100E	1.3	37910	1	17	142	3.0	4	640	6.4	19	34	75510	790	18	3170	1204	3	160	13	440	85	3	2	1	1	28.1	181	1	1	1	5	2	4
35+0150E	0.3	28530	1	10	154	3.6	3	640	3.7	8	27	55750	800	16	4590	233	4	80	12	640	36	4	6	1	1	39.8	97	1	1	1	8	2	4
35+0200E	0.1	38390	1	19	142	2.9	4	1530	2.7	10	16	79450	700	18	2710	809	3	180	9	1640	30	4	7	1	1	26.5	137	1	1	1	7	2	1
35+0250E	0.1	19380	1	5	183	2.4	3	1690	2.1	6	14	69700	990	20	4100	1434	2	130	8	200	29	1	15	1	1	37.1	98	1	1	1	5	3	2
35+0300E	0.2	35520	1	15	232	2.1	3	1010	2.7	7	17	82800	760	17	2830	1676	1	220	9	1080	19	2	6	1	1	28.7	121	1	1	1	6	1	1
35+0350E	0.3	47700	1	24	274	2.9	4	1530	3.4	8	20	85620	920	21	3280	981	2	290	13	1730	29	5	11	1	1	27.9	147	1	1	1	7	1	1
35+0400E	0.1	21960	5	7	96	5.7	4	340	3.7	7	54	42790	1520	13	7420	209	5	40	11	320	42	7	14	1	1	57.1	67	1	1	1	11	5	7
35+0450E	0.1	26140	1	8	137	2.6	3	1360	3.2	6	22	61020	1020	14	3480	852	3	150	9	630	30	3	13	1	1	28.1	83	1	1	1	5	2	5
35+0500E	0.2	27150	1	8	169	4.3	4	850	3.2	6	25	48450	1340	15	5570	366	4	100	12	590	54	6	12	1	1	31.2	114	1	1	1	8	4	10
35+0550E	1.1	24260	18	10	148	5.2	7	3060	3.6	5	34	100770	1220	13	3150	95	3	170	14	630	89	7	31	1	1	39.6	147	1	1	1	10	4	5
35+0600E	0.1	13370	1	2	70	3.6	4	860	2.7	4	24	38730	680	6	4420	96	4	40	8	380	37	4	12	1	1	35.3	57	1	1	1	7	3	7
35+0650E	0.2	24370	1	10	89	4.4	5	1270	3.7	6	25	75370	1250	18	6080	191	3	50	11	620	45	6	10	1	1	54.2	80	1	1	1	9	4	15
35+0700E	0.1	15920	2	3	61	4.3	3	1210	2.8	5	22	41160	970	8	4720	169	4	50	9	300	39	4	13	1	1	34.7	51	1	1	1	8	4	7
35+0750E	0.1	23390	1	8	157	1.9	3	2290	1.8	6	13	65340	930	17	3430	793	2	200	11	580	25	2	17	1	1	30.4	154	1	1	1	4	2	3
35+0800E	0.1	34320	1	19	167	5.0	6	860	4.0	9	23	75880	1430	28	5270	545	4	100	13	1290	47	6	3	1	1	39.1	110	1	1	1	10	3	13
35+0850E	0.1	14330	1	1	127	3.1	4	1080	2.1	6	20	50780	880	11	5080	457	4	50	9	320	37	3	12	1	1	38.3	62	1	1	1	6	3	7
35+0900E	0.2	44320	1	23	272	2.6	5	1020	3.7	10	17	92750	730	28	2790	1641	2	180	11	750	27	2	4	1	1	27.7	148	1	1	1	7	1	3
35+0950E	0.1	39570	1	20	240	3.3	3	940	3.4	8	14	67820	720	22	3200	451	2	130	10	950	27	3	2	1	1	25.0	142	1	1	1	7	2	5
35+1000E	0.2	30080	1	12	361	2.8	4	1100	2.7	9	14	60090	920	24	2780	364	2	140	12	320	32	2	9	1	1	24.8	192	1	1	1	5	1	5
35+1050E	0.1	38350	1	19	284	1.7	4	1660	2.8	6	19	84210	810	20	2680	1503	1	230	12	1000	23	1	7	1	1	22.1	184	1	1	1	3	1	1
35+1100E	0.3	39890	1	20	179	1.8	4	1490	1.9	6	14	85380	570	16	2170	985	2	200	9	1150	23	3	6	1	1	25.5	133	1	1	1	5	1	1
35+1150E	0.4	39790	1	21	292	2.5	4	950	2.6	8	15	87070	720	22	2440	797	2	170	11	470	24	4	3	1	1	32.1	188	1	1	1	5	1	1
35+1200E	0.1	24630	1	10	400	1.9	3	1610	2.0	7	17	72160	1620	19	3450	5235	2	180	10	860	35	2	13	1	1	27.2	127	1	1	1	5	3	4
35+1250E	0.1	31970	1	15	213	2.4	4	900	2.7	7	12	69970	850	21	3210	769	3	140	12	710	33	3	9	1	1	27.4	146	1	1	1	5	1	3
35+1300E	0.2	33220	1	15	222	2.3	4	1870	2.2	7	14	74410	1230	22	3710	1063	2	190	12	930	28	3	21	1	1	25.3	170	1	1	1	5	2	3
35+1350E	0.1	28280	1	11	207	2.3	4	1790	2.5	7	12	73510	1200	22	3690	1766	2	170	10	1160	31	3	20	1	1	26.3	152	1	1	1	5	2	4
35+1400E	0.4	32680	1	15	103	3.6	4	960	2.3	10	33	69920	1400	18	5240	276	4	60	13	630	55	6	8	1	1	32.5	94	1	1	1	8	2	7
35+1450E	0.1	29720	1	14	229	4.0	5	3110	2.8	9	20	74930	1620	21	5100	762	3	90	13	290	61	5	29	1	1	34.9	100	1	1	1	8	2	7
35+1500E	0.1	24550	1	10	275	1.6	3	2030	2.0	6	12	68080	1250	20	3010	626	1	210	13	2020	27	2	19	1	1	18.3	216	1	1	1	4	2	2
35+0050W	2.7	40940	1	20	66	2.2	5	670	1.3	4	13	70970	480	11	1720	401	1	200	10	520	48	2	14	1	1	20.6	98	1	1	1	7	1	1
35+0100W	2.1	33910	1	16	161	3.3	5	1100	2.3	8	17	61720	800	17	2950	581	2	160	11	540	50	2	20	1	1	25.6	142	1	1	1	9	1	6
35+0150W	1.3	37100	1	17	73	4.2	6	420	2.8	4	12	48840	460	7	1930	283	5	90	8	580	61	5	16	1	1	18.5	68	1	1	1	12	2	7
35+0200W	3.8	43020	1	20	80	2.4	4	620	1.8	5	14	66710	400	8	1520	578	2	170	7	620	27	2	14	1	1	20.8	72	1	1	1	7	1	2
35+0250W	0.2	8240	1	1	36	2.8	3	100	.6	1	14	24060	650	1	1070	25	4	20	4	270	36	1	19	1	1	16.0	23	1	1	1	6	3	4
35+0300W	0.7	19650	1	5	70	3.5	5	300	2.2	3	11	43230	750	8	2270	107	4	80	6	350	36	3	20	1	1	23.0	51	1	1	1	9	3	7
35+0350W	1.4	32070	1	14	81	5.2	6	380	2.2	4	14	51030	650	11	2580	123	6	90	8	620	55	5	21	1	1	21.2	82	1	1	1	13	3	9
35+0400W	0.5	36100	1	15	56	3.5	4	290	1.8	3	12	42250	450	6	2140	103	4	80	7	480	20	3	15	1	1	15.1	54	1	1	1	9	1	6
35+0450W	0.5	37880	1	17	65	2.8	4	610	1.4	3	14	49010	480	8	1830	371	3	120	7	2640	12	2	6	1	1	14.0	61	1	1	1	8	1	4
35+0500W	0.3	20740	1	5	75	3.4	3	440	2.1	5	17	33990	620	9	2980	237	4	60	10	710	28	3	16	1	1	18.6	90	1	1	1	8	2	8
35+0550W	0.1	20170	1	4	182	2.5	4	620	2.1	4	24	49070	580	6	1740	3440	3	110	9	2170	26	2	11	1	1	20.1	103	1	1	1	6	1	4
35+0600W	0.5	23730	1	7	133	3.8	4	890	2.2	6	40	44170	830	9	2720	568	3	70	16	680	26	4	20	1	1	15.9	42	1	1	1	9	2	5
35+0650W	0.2	12370	1	1	75	3.1	3	260	.9	3	17	26710	390	7	1670	269	3	30	7	420	19	2	10	1	1	13.3	31	1	1	1	6	2	5
35+0700W	0.2	22630	1	3	108	2.2	2	200	1.1	3	14	34650	340	3	1400	136	2	40	8	490	14	1	6	1	1	9.6	24	1	1	1	6	1	1
35+0750W	0.3	27730	1	8	108	2.6	3	580	1.3	4	8	49410	570	9	1830	207	2	100	8	620	17	1	8	1	1	18.6	48	1	1	1	6	1	3
35+0800W	0.3	22420	1	6	100	2.9	3	310	1.2	4	9	38790	600	8	2450	293	3	40	7	330	21	2	9	1	1	15.0	32	1	1	1	7	2	5
35+0850W	0.4	26170	1	8	85	3.2	4	260	1.7	3	6	56050	480	11	2030	148	2	60	7	410	24	3	8	1	1	24.0	32	1	1	1	8	1	4
35+0900W	0.3	24340	1	6	82	3.7	4	580	1.5	5	11	50340	720	12	3510	223	3	60	11	440	25	3	11	1	1	19.6	40	1	1	1	8	2	6
36+0050E	1.0	32870	1	15	98	3.3	4	630	3.6	5	13	69320	470	16	2720	234	3	80	6	1150	37	5	1	1	1	30.7	66	1	1	1	8	3	4

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
36+0100E	0.5	20600	1	6	132	4.5	6	920	4.0	11	16	59710	940	20	5760	917	4	100	12	580130	6	13	1	1	31.1	111	1	1	1	9	5	9
36+0150E	1.0	23710	1	8	75	3.0	4	670	2.9	5	20	72360	850	16	3330	150	3	120	10	460	39	4	7	1	1	33.9	90	1	1	1	7	2	5
36+0200E	0.1	17180	1	2	69	1.6	3	690	2.1	4	12	63260	700	11	2570	1452	1	150	6	1040	21	2	4	1	1	28.8	66	1	1	1	4	3	4
36+0250E	0.5	42020	1	21	170	3.2	4	1430	3.1	9	20	68870	730	17	3160	527	3	200	11	600	28	5	9	1	1	28.0	107	1	1	1	5	2	3
36+0300E	0.4	28500	1	12	133	3.2	5	840	3.6	11	37	89290	840	19	4110	1315	2	170	12	470	37	4	8	1	1	39.3	119	1	1	1	6	2	1
36+0350E	0.3	36230	1	17	152	3.1	5	1280	3.4	7	23	78790	800	18	4600	1253	2	180	12	1530	29	5	8	1	1	43.1	127	1	1	1	6	2	1
36+0400E	1.8	39990	1	19	140	2.1	5	890	2.5	6	17	83640	570	16	2500	635	1	210	9	570	19	4	4	1	1	25.3	119	1	1	1	4	1	1
36+0450E	0.6	23170	1	6	126	3.5	4	680	3.0	7	30	46540	620	12	4550	604	3	70	12	680	40	4	11	1	1	35.3	100	1	1	1	8	3	5
36+0500E	0.2	19930	1	3	117	3.2	3	430	2.3	6	18	38370	620	9	3400	480	3	40	10	480	40	4	8	1	1	23.9	95	1	1	1	7	2	4
36+0550E	0.6	26100	1	8	146	4.2	4	990	3.1	8	27	59070	860	19	3950	625	3	100	17	370	53	5	13	1	1	27.5	159	1	1	1	8	3	7
36+0600E	0.6	19480	1	3	116	3.9	4	1910	2.8	6	59	57170	1100	14	4090	496	3	110	15	390	54	4	22	1	1	32.2	73	1	1	1	8	2	7
36+0700E	0.4	25770	1	6	64	3.5	4	950	2.5	5	20	50850	520	12	3380	105	3	80	8	330	34	4	11	1	1	28.0	98	1	1	1	8	3	4
36+0750E	0.5	12340	1	1	46	3.0	4	380	2.3	4	15	56590	730	9	3470	135	3	40	6	430	32	3	9	1	1	43.9	73	1	1	1	8	3	6
36+0800E	0.2	11540	1	1	93	1.5	2	960	1.6	3	9	58360	550	7	2020	89	1	100	5	940	25	1	12	1	1	28.2	60	1	1	1	4	1	1
36+0850E	0.3	40610	1	19	233	2.8	4	850	2.9	6	13	67670	620	19	2800	771	2	160	10	2260	27	4	2	1	1	26.3	135	1	1	1	5	1	5
36+0900E	0.5	36670	1	16	193	4.0	4	810	2.8	9	38	62980	1060	24	4500	399	3	130	23	530	48	5	9	1	1	28.9	217	1	1	1	7	2	9
36+0950E	0.4	40790	1	18	144	2.6	4	740	2.6	7	15	74700	590	18	2900	916	2	160	9	1120	28	4	3	1	1	26.1	96	1	1	1	6	1	2
36+1000E	1.1	45020	1	22	135	1.9	3	1310	2.3	6	17	83020	640	19	2050	753	1	230	9	770	19	3	4	1	1	20.8	96	1	1	1	6	1	1
36+1050E	0.7	26490	1	8	115	2.5	3	880	2.5	6	19	56260	650	14	3630	206	2	100	9	380	30	3	9	1	1	26.6	60	1	1	1	6	2	9
36+1100E	0.1	26180	1	9	188	3.6	4	2550	3.2	9	47	58540	1220	48	4920	1665	3	140	20	410	70	5	26	1	1	37.4	113	1	1	1	8	3	20
36+1150E	0.5	16080	1	2	109	2.8	3	620	2.2	6	14	58880	810	18	2930	307	2	90	7	1500	47	4	5	1	1	25.9	95	1	1	1	7	3	6
36+1200E	0.5	37120	1	16	171	1.9	3	760	2.2	6	11	86540	540	17	1820	473	1	190	9	1380	26	3	1	1	1	23.7	158	1	1	1	4	1	1
36+1250E	0.2	19520	1	4	190	4.3	4	710	2.5	5	18	42180	740	16	3970	180	4	60	9	770	44	6	12	1	1	32.4	79	1	1	1	8	4	8
36+1300E	0.4	29580	1	11	195	2.3	3	940	2.6	6	12	62440	840	18	2620	672	2	140	9	1780	25	4	5	1	1	24.6	144	1	1	1	5	1	3
36+1350E	0.2	26920	1	9	324	2.1	3	1040	2.4	6	16	58060	810	17	2770	1524	2	150	12	790	26	2	10	1	1	20.8	204	1	1	1	5	1	4
36+1400E	0.6	29010	1	13	190	2.3	3	660	1.6	5	13	65450	740	18	2210	352	1	140	8	2640	29	3	1	1	1	24.5	156	1	1	1	4	2	4
36+1450E	0.2	25980	1	9	404	3.4	5	3030	3.0	7	21	72300	1610	51	6310	1247	2	90	12	1600	47	4	31	1	1	29.4	164	1	1	1	7	3	11
36+1500E	0.1	19730	1	3	306	1.8	2	1700	1.9	4	8	53130	640	12	2350	1296	2	90	7	1860	26	2	16	1	1	15.9	112	1	1	1	4	1	1
36+1550E	0.1	20220	1	4	323	2.0	3	1880	1.8	5	8	53680	870	16	3120	1491	2	120	10	870	26	2	23	1	1	21.7	148	1	1	1	4	1	3
36+1600E	0.2	22530	1	7	299	2.6	3	2610	2.3	6	16	59430	1080	15	4470	804	2	70	9	1910	41	3	25	1	1	25.5	106	1	1	1	6	2	6
36+0050W	0.2	11800	1	1	48	3.6	2	200	3.2	3	23	22370	660	7	3820	130	5	20	8	280	51	7	13	1	1	8.4	52	1	1	1	4	3	7
36+0100W	0.5	8390	8	1	50	3.4	4	140	3.0	2	20	28350	460	4	3100	90	6	20	6	300	61	7	12	1	1	12.4	39	1	1	1	4	4	7
36+0150W	1.7	59890	1	26	36	2.9	5	420	3.0	6	21	74860	210	7	1120	1051	4	250	1	2010	24	1	17	1	1	15.3	47	1	1	1	5	7	5
36+0200W	1.1	19820	2	4	76	3.8	4	350	3.4	5	22	37850	780	14	3350	245	5	60	9	420	64	5	16	1	1	18.2	93	1	1	1	4	3	10
36+0250W	0.5	13850	1	1	45	2.6	4	230	3.4	3	17	40780	750	7	2220	260	5	50	3	550	27	4	11	1	1	19.2	58	1	1	1	4	2	8
36+0300W	0.8	50970	1	18	33	2.0	3	600	1.6	5	18	67660	200	7	1050	335	2	270	1	740	10	1	10	1	1	13.7	40	1	1	1	3	3	2
36+0350W	0.4	19310	1	2	55	2.9	4	160	1.8	4	17	38870	400	11	2480	90	6	60	5	520	35	5	12	1	1	19.2	48	1	1	1	4	3	8
36+0400W	0.2	23750	1	7	112	2.4	4	570	1.6	6	12	55540	770	17	1920	861	3	120	6	2190	21	1	12	1	1	20.1	71	1	1	1	4	4	6
36+0450W	0.5	21300	1	5	168	2.5	4	1310	2.6	6	15	51090	950	18	2400	1172	3	110	11	1240	20	2	17	1	1	20.6	60	1	1	1	4	4	7
36+0500W	0.5	29700	1	8	160	2.6	3	1170	3.0	6	20	63760	690	19	2200	812	2	150	13	830	12	1	13	1	1	18.2	77	1	1	1	4	2	5
36+0550W	0.4	30600	1	9	144	1.9	3	990	1.9	6	16	71390	610	19	2050	550	2	140	6	1540	13	1	14	1	1	20.3	65	1	1	1	4	3	4
36+0600W	0.3	14560	1	1	171	2.7	4	280	1.8	5	21	41730	620	13	2480	907	3	40	9	410	26	3	11	1	1	15.5	49	1	1	1	4	3	6
36+0650W	0.1	20580	1	1	106	3.4	2	190	1.4	4	31	30090	540	12	2520	183	5	50	7	590	23	8	11	1	1	13.8	51	1	1	1	4	3	7
36+0700W	0.1	18230	1	1	103	3.0	2	200	3.0	4	16	30700	550	10	1500	256	3	60	4	360	16	5	8	1	1	12.4	40	1	1	1	3	3	4
36+0750W	0.5	39780	1	9	126	1.6	3	530	1.9	5	18	75520	560	16	1740	273	1	180	3	410	10	1	9	1	1	21.8	61	1	1	1	4	3	3
36+0800W	0.1	18770	1	1	93	2.6	3	380	2.3	4	9	49260	730	14	1810	410	3	70	2	300	11	4	8	1	1	24.1	42	1	1	1	4	3	4
36+0850W	0.1	27070	1	4	77	3.5	3	310	2.9	5	12	48870	770	15	3360	320	4	50	5	690	20	5	13	1	1	20.1	67	1	1	1	4	5	8
36+0900W	0.1	25100	1	4	85	3.0	4	390	2.8	5	13	55810	720	17	3520	437	5	90	5	750	21	3	13	1	1	25.3	60	1	1	1	5	5	7

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
37+0050W	1.2	27790	1	5	99	2.8	5	330	3.1	6	16	42530	580	15	2830	297	4	100	7	410	41	3	14	1	1	19.2	77	1	1	1	5	4	7
37+0100W	0.1	8610	1	1	34	2.0	3	130	1.4	1	7	17050	310	2	1020	34	1	30	2	200	27	6	8	1	1	16.2	24	1	1	1	3	1	4
37+0150W	0.7	10850	1	1	49	1.8	3	70	1.9	3	8	21900	270	7	870	228	2	40	3	240	27	6	8	1	1	15.3	32	1	1	1	3	2	5
37+0200W	1.3	12170	1	1	57	2.2	4	410	2.5	3	11	31600	580	11	2130	817	3	70	3	400	32	4	11	1	1	15.6	55	1	1	1	4	2	7
37+0250W	0.2	13150	1	1	56	2.8	4	160	3.2	4	8	39080	500	9	2320	390	2	40	3	1090	39	5	13	1	1	29.6	53	1	1	1	4	2	9
37+0300W	0.2	12250	12	1	50	3.8	4	130	2.9	4	11	35720	370	9	2580	178	5	10	7	410	51	7	15	1	1	15.4	83	1	1	1	5	3	10
37+0350W	0.3	29040	1	5	94	1.7	4	350	1.5	4	13	45500	280	8	1150	712	1	80	2	920	16	1	11	1	1	12.2	77	1	1	1	4	4	3
37+0400W	0.1	5520	1	1	33	1.9	2	320	2.2	2	9	16090	430	5	1650	59	2	20	4	230	14	5	6	1	1	12.2	25	1	1	1	2	1	5
37+0450W	0.1	19340	1	1	144	3.0	4	750	3.3	6	17	44230	960	22	2460	1043	4	70	7	1480	29	2	13	1	1	20.5	77	1	1	1	4	3	8
37+0500W	0.3	21320	1	3	230	2.6	4	580	2.8	6	21	54060	690	17	2670	2015	4	90	9	1060	21	1	14	1	1	19.5	91	1	1	1	4	2	7
37+0550W	0.1	18920	1	3	142	2.6	4	1610	2.2	5	15	46690	940	17	2080	1282	4	100	6	390	13	2	20	1	1	18.0	55	1	1	1	4	3	6
37+0600W	0.2	28010	1	8	116	2.8	4	810	2.0	6	35	53080	720	16	1920	783	3	90	8	600	24	1	15	1	1	18.5	57	1	1	1	4	4	5
37+0650W	0.1	13730	1	1	70	1.9	3	360	1.5	3	10	47030	590	11	1310	223	2	80	2	180	11	1	8	1	1	26.4	36	1	1	1	3	2	6
37+0700W	0.1	18910	1	1	82	1.9	2	240	1.6	3	7	40620	530	10	1190	250	2	60	3	260	12	1	8	1	1	18.2	32	1	1	1	3	2	4
37+0750W	0.1	13440	1	1	96	2.3	2	440	1.9	4	9	39180	750	11	1810	486	3	40	5	360	16	3	10	1	1	17.6	44	1	1	1	3	2	6
37+0800W	0.1	16600	1	1	83	3.0	4	270	1.8	4	10	40600	770	16	3440	206	4	50	5	370	22	4	13	1	1	23.1	43	1	1	1	4	2	8
37+0850W	0.2	15590	1	1	75	2.7	4	830	2.6	4	9	54920	720	12	3740	316	2	60	4	280	24	2	13	1	1	28.5	45	1	1	1	4	3	10
37+0900W	0.4	36640	1	11	80	2.1	5	470	1.8	5	18	75100	620	18	2200	468	2	180	2	400	13	1	11	1	1	28.3	53	1	1	1	4	3	5

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
38+1600E	0.7	30150	1	11	228	2.5	4	2330	1.9	7	18	71180	780	17	3400	198	2	150	10	880	29	3	22	1	1	26.7	119	1	1	1	6	2	2
38+0050E	0.3	16130	1	4	101	2.1	3	330	2.1	3	9	38030	590	11	2060	1140	1	100	4	620	26	3	8	1	1	20.0	55	1	1	1	4	2	7
38+0100E	0.3	17690	6	5	73	4.7	3	370	3.5	4	17	46860	680	16	5370	215	4	40	8	540	55	6	16	1	1	20.7	72	1	1	1	7	4	14
38+0150E	0.1	5660	1	1	31	1.7	1	200	1.2	1	6	18220	480	2	1810	30	1	20	3	200	30	5	3	1	1	18.0	20	1	1	1	3	1	5
38+0200E	0.2	13450	1	4	93	3.0	3	990	5.2	4	11	48470	930	14	3690	148	1	70	7	970	42	5	17	1	1	31.9	111	1	1	1	5	3	13
38+0250E	0.8	26140	2	11	112	3.6	3	600	2.9	11	14	60550	440	17	2310	929	1	110	5	980	56	3	15	1	1	26.9	92	1	1	1	6	5	9
38+0300E	0.4	30870	1	12	115	2.7	3	850	3.1	6	17	56450	630	17	4610	505	1	160	8	530	21	1	14	1	1	24.3	79	1	1	1	5	5	9
38+0350E	0.3	15300	1	4	84	2.6	3	540	3.2	5	16	51630	640	11	2910	551	1	100	5	1050	35	3	10	1	1	32.8	68	1	1	1	5	3	10
38+0400E	0.4	11620	1	1	75	1.5	3	300	1.8	3	10	52140	540	6	2200	101	1	80	2	190	14	1	5	1	1	43.8	45	1	1	1	4	1	8
38+0450E	0.6	18050	1	5	113	2.5	3	640	2.3	4	12	62170	490	13	2480	396	1	110	3	1280	25	1	10	1	1	36.3	68	1	1	1	5	3	9
38+0500E	0.1	14480	5	4	82	4.0	3	380	4.4	5	16	41670	570	11	4440	179	4	40	7	350	48	6	13	1	1	39.2	82	1	1	1	6	4	14
38+0550E	0.1	13410	1	4	99	3.0	3	780	2.9	5	15	42590	750	10	3920	215	2	50	8	270	34	5	14	1	1	30.4	74	1	1	1	5	4	13
38+0600E	0.5	21220	1	9	135	3.4	2	3380	5.2	7	39	57780	1050	21	3710	2579	2	120	27	480	69	3	23	1	1	28.1	134	1	1	1	6	4	18
38+0650E	0.5	15250	1	3	91	2.1	3	360	2.0	4	45	66620	550	11	1760	297	1	130	5	140	34	1	8	1	1	29.5	61	1	1	1	5	2	8
38+0700E	0.1	13830	1	4	172	2.4	1	640	2.5	3	10	29750	830	11	3780	266	3	50	6	200	34	5	9	1	1	28.6	62	1	1	1	5	2	13
38+0750E	0.3	16840	2	6	197	2.5	3	1620	3.5	10	25	53110	940	14	3950	1894	2	90	11	470	52	5	17	1	1	28.5	91	1	1	1	5	4	13
38+0800E	0.8	19220	4	7	171	3.3	4	1790	2.6	8	39	88010	970	17	3240	372	1	150	6	600	34	1	17	1	1	34.3	124	1	1	1	6	5	11
38+0850E	0.5	34670	1	15	153	3.2	3	1100	3.3	7	18	55870	560	19	3730	704	2	110	10	1530	39	2	16	1	1	29.0	135	1	1	1	6	5	16
38+0900E	0.5	35710	1	16	213	2.3	4	860	3.1	7	13	57060	570	15	2010	1590	1	120	7	4730	28	1	15	1	1	21.8	142	1	1	1	6	6	9
38+0950E	0.2	18480	7	6	125	3.6	3	650	3.7	6	20	44620	870	19	5190	329	4	50	9	790	51	6	14	1	1	33.8	84	1	1	3	6	5	20
38+1000E	0.2	14590	1	2	153	3.0	1	350	2.3	5	20	29200	690	13	4270	572	4	30	10	880	37	5	8	1	1	22.8	64	1	1	1	4	2	12
38+1050E	0.3	20560	1	6	113	2.5	3	490	2.6	4	11	36220	640	17	2420	633	2	80	7	1240	39	4	10	1	1	21.7	79	1	1	1	5	4	11
38+1100E	0.2	31860	1	14	211	2.6	3	1010	2.2	7	13	43190	580	13	2020	569	3	70	9	1070	41	4	15	1	1	19.7	127	1	1	1	6	6	9
38+1150E	0.7	32490	1	13	157	3.0	4	580	3.7	8	17	74630	480	18	2300	1030	1	100	8	680	25	4	15	1	1	29.7	120	1	1	1	7	6	13
38+1200E	0.1	15930	1	4	68	2.9	3	920	5.1	8	40	48270	770	15	7860	409	4	20	12	660	20	9	15	1	1	36.4	60	1	1	1	6	4	33
38+1250E	0.3	26570	1	10	128	2.0	3	540	1.1	5	11	48170	480	14	1520	523	4	110	4	2000	20	7	12	1	1	27.2	81	1	1	1	5	4	12
38+1300E	0.5	29100	1	11	148	2.7	3	850	4.4	7	13	56270	680	22	2390	619	1	130	7	620	19	5	13	1	1	26.6	130	1	1	1	5	5	13
38+1350E	0.4	33310	1	13	133	1.5	3	1620	2.2	5	17	64710	690	21	2460	649	1	260	5	1090	24	1	14	1	1	21.6	102	1	1	1	5	4	10
38+1400E	1.0	36240	1	16	121	1.9	4	700	1.6	5	13	79050	420	17	1080	996	1	190	1	630	21	1	12	1	1	23.0	120	1	1	1	5	5	5
38+1450E	0.2	27380	1	11	279	2.1	2	1000	1.9	5	11	66660	760	19	1800	885	1	180	5	3240	24	2	16	1	1	20.4	189	1	1	1	5	4	7
38+1500E	0.3	39880	1	20	168	2.8	4	770	2.4	6	18	70950	720	22	2420	376	1	220	10	1300	26	3	19	1	1	25.1	188	1	1	1	6	7	7
38+1550E	0.1	23010	1	8	173	2.9	2	560	2.6	4	11	68590	840	22	2960	431	1	100	4	1290	24	4	13	1	1	32.8	98	1	1	1	5	4	11
38+1600E	0.2	21980	1	7	434	2.2	2	1480	3.4	6	12	60720	1050	20	2800	2763	1	150	9	580	24	3	13	1	1	24.3	159	1	1	1	5	3	8
38+1650E	0.1	30490	1	14	292	2.4	2	820	1.7	7	17	65360	1040	26	2580	599	1	170	8	3540	30	3	15	1	1	23.4	171	1	1	1	5	5	9
38+1700E	0.3	35120	1	17	280	3.3	4	1090	2.1	8	20	67420	940	26	3400	661	1	150	13	1240	35	5	20	1	1	28.5	202	1	1	1	6	7	12
38+0050W	1.5	23160	1	1	84	3.2	4	400	2.2	9	22	43780	660	15	3210	358	5	70	8	410	67	3	13	1	1	22.0	78	1	1	1	4	4	9
38+0100W	0.6	19410	1	1	67	3.6	2	330	3.7	5	20	31550	660	17	3960	218	4	20	9	340	55	5	13	1	1	18.2	85	1	1	1	4	3	12
38+0150W	2.0	24530	1	1	63	2.3	4	330	1.0	4	15	47650	480	11	1810	321	2	130	2	330	50	2	13	1	1	25.9	50	1	1	1	4	4	6
38+0200W	0.7	21370	1	1	59	3.5	3	160	3.1	4	19	31580	590	12	2750	188	4	50	6	410	76	5	12	1	1	14.0	67	1	1	1	5	6	9
38+0300W	0.2	14710	1	1	73	2.5	2	250	2.6	4	13	40960	580	15	1900	255	2	60	3	990	21	4	10	1	1	20.5	60	1	1	1	4	2	7
38+0350W	0.5	38240	1	10	119	2.9	4	690	2.4	8	17	71740	650	16	2220	545	2	160	2	550	11	1	12	1	1	20.6	55	1	1	1	5	5	6
38+0400W	0.1	25680	1	5	388	2.6	4	1160	3.1	6	13	66300	930	20	2370	3432	2	120	15	790	23	1	21	1	1	21.2	88	1	1	1	5	5	5
38+0450W	0.3	33430	1	10	185	3.4	5	770	3.3	9	14	69740	890	24	2480	438	2	150	14	870	22	1	21	1	1	23.6	81	1	1	1	5	6	7
38+0500W	0.1	21650	1	4	161	2.7	5	780	2.3	6	13	50650	900	21	2120	631	2	130	10	360	12	1	16	1	1	21.4	53	1	1	1	4	3	6
38+0550W	0.2	23000	1	3	130	3.0	6	830	2.1	5	33	48290	710	15	2310	227	4	80	11	480	33	3	17	1	1	17.6	71	1	1	1	5	5	6
38+0600W	0.2	20760	1	1	186	2.6	5	760	1.9	6	21	64390	860	23	2620	1156	1	120	7	350	12	1	13	1	1	24.3	66	1	1	1	4	3	7
38+0650W	0.1	14760	1	1	107	2.4	3	830	1.5	3	10	35530	830	16	1600	488	2	60	2	340	23	3	12	1	1	22.4	33	1	1	1	4	2	7
38+0700W	0.1	27940	1	5	190	2.8	5	410	2.1	6	16	52620	720	17	1930	664	1	90	5	440	24	1	13	1	1	19.9	55	1	1	1	5	4	7
38+0750W	0.2	33210	1	10	116	2.6	5	370	3.3	5	16	56710	610	15	1910	393	3	120	2	390	19	1	16	1	1	20.0	47	1	1	1	5	5	5
38+0800W	0.2	21330	1	1	72	3.3	5	270	3.5	4	10	57830	680	15	2530	195	2	50	2	460	24	2	14	1	1	30.2	47	1	1	1	5	3	9
38+0850W	0.1	24950	1	3	94	3.1	4	520	3.1	5	11	68350	740	20	2940	559	1	110	2	530	27	1	16	1	1	31.4	57	1	1	1	5	4	9
38+0900W	0.2	30360	1	8	98	3.9	5	310	2.9	5	45	55370	680	20	3260	316	4	100	7	560	29	3	17	1	1	29.2	66	1	1	1	5	6	13

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
38+0050E	0.6	18850	1	4	64	4.3	4	280	2.9	4	11	56960	560	10	2450	108	4	60	5	970	45	4	5	1	1	29.2	57	1	1	1	8	4	5
38+0100E	0.9	17590	1	2	67	3.5	3	250	2.6	3	10	31220	590	13	4250	139	4	40	6	510	40	4	9	1	1	18.4	46	1	1	1	8	3	7
38+0150E	0.6	21330	1	5	89	3.9	3	370	2.4	5	15	29580	610	12	4220	150	5	20	10	340	34	5	9	1	1	20.0	68	1	1	1	8	4	8
38+0200E	0.6	31070	1	12	132	3.2	4	660	1.9	8	14	56140	580	17	3030	553	3	110	9	650	34	4	6	1	1	27.1	120	1	1	1	6	2	4
38+0250E	0.6	30520	1	8	184	3.9	5	1030	3.1	10	13	64470	710	18	3320	591	4	120	11	760	40	5	12	1	1	34.5	115	1	1	1	7	3	4
38+0300E	0.1	16880	1	1	128	2.8	4	1190	2.6	6	18	50770	700	10	4180	634	3	90	8	350	35	3	15	1	1	36.3	71	1	1	1	5	3	4
38+0350E	0.5	22230	1	3	114	3.6	4	1240	3.0	7	17	52380	1280	12	4430	473	4	110	9	260	37	5	15	1	1	41.0	79	1	1	1	7	3	6
38+0400E	0.8	21280	1	1	90	1.1	3	910	2.0	5	13	75820	610	11	2120	291	1	150	5	480	17	1	6	1	1	24.2	73	1	1	1	2	1	1
38+0450E	0.1	27390	1	6	147	1.9	3	860	3.1	7	15	70490	1020	16	3150	1218	2	180	9	1420	30	3	6	1	1	28.5	144	1	1	1	5	1	3
38+0500E	0.7	37030	1	12	141	2.1	4	1380	2.4	7	15	78340	710	18	2510	462	1	210	11	660	21	3	9	1	1	24.5	189	1	1	1	4	1	1
38+0550E	0.1	28450	1	7	146	2.1	3	980	2.2	6	11	61620	640	15	2270	574	2	150	7	840	20	3	7	1	1	21.5	141	1	1	1	4	1	2
38+0600E	0.1	27130	1	8	171	3.2	4	1300	2.2	6	21	46120	800	16	4440	418	4	90	12	570	32	4	12	1	1	29.1	117	1	1	1	5	3	9
38+0650E	0.1	20010	1	1	111	3.7	4	670	3.4	7	28	53400	1100	15	4120	1132	3	90	11	270	42	4	11	1	1	30.3	100	1	1	1	8	3	9
38+0700E	0.3	22340	1	4	75	3.7	4	1200	2.8	7	33	44490	1050	18	5340	563	5	80	12	310	45	4	15	1	1	29.9	68	1	1	1	7	4	11
38+0750E	0.3	29680	1	9	42	3.3	4	720	2.9	4	14	63060	470	9	2230	156	4	100	7	350	37	5	6	1	1	23.6	65	1	1	1	7	2	2
38+0800E	0.2	41910	1	18	81	2.6	3	680	2.2	6	14	62070	380	12	2220	320	3	200	6	2840	20	4	1	1	1	20.6	75	1	1	1	5	1	2
38+0850E	0.6	32010	1	12	123	2.3	3	1390	1.9	6	15	66430	660	15	2420	442	2	170	10	480	24	3	10	1	1	26.2	134	1	1	1	5	3	2
38+0950E	0.2	26490	1	9	251	2.4	3	1410	2.5	6	15	63890	1050	18	3960	1303	2	120	10	1230	45	4	10	1	1	26.2	177	1	1	1	5	3	6
38+1000E	0.8	24900	1	6	201	2.4	3	1040	2.8	7	22	62770	890	16	4240	763	3	130	9	720	30	3	10	1	1	30.8	115	1	1	1	5	2	6
38+1050E	0.9	44670	1	21	183	2.2	4	930	2.6	8	17	82950	660	20	2950	1363	1	210	10	720	20	4	6	1	1	23.8	114	1	1	1	5	1	4
38+1100E	0.2	35410	1	14	127	2.2	4	630	2.2	8	12	79590	580	19	2300	1622	2	140	7	2030	23	3	1	1	1	23.9	119	1	1	1	5	1	2
38+1150E	0.8	21390	1	5	102	4.0	4	920	2.6	6	18	54370	930	21	5300	189	4	60	11	900	39	5	11	1	1	32.8	113	1	1	1	8	4	18
38+1200E	1.2	57250	1	66	135	2.5	4	820	2.7	7	17	87710	510	20	2220	358	2	250	8	1300	17	4	1	1	1	22.5	135	1	1	1	5	1	1
38+1250E	0.1	24200	1	6	177	2.3	3	670	2.2	6	9	52680	730	16	2970	1284	3	90	9	460	24	3	7	1	1	24.2	138	1	1	1	5	2	6
38+1300E	0.1	13310	1	1	63	3.4	3	430	2.4	4	15	34750	840	10	4190	142	5	30	8	1230	36	4	8	1	1	26.5	53	1	1	1	8	4	7
38+1350E	0.2	34050	1	13	132	1.9	4	960	2.4	6	14	75380	700	16	2400	955	2	160	8	2400	23	3	1	1	1	23.7	143	1	1	1	5	1	2
38+1400E	0.1	20130	1	4	298	1.4	3	1050	2.4	5	10	66420	950	19	2550	1687	1	170	8	1160	20	1	9	1	1	22.8	174	1	1	1	3	1	3
38+1450E	1.2	45770	1	20	228	2.3	4	1310	2.3	6	19	88830	990	23	2900	293	2	310	13	1730	24	4	6	1	1	26.0	234	1	1	1	5	1	1
38+1500E	0.3	30970	1	12	229	2.8	3	940	1.8	6	15	60530	1050	17	3440	242	3	140	12	2440	32	4	6	1	1	24.0	132	1	1	1	5	2	5
38+1550E	0.1	26730	1	7	420	1.8	4	1560	1.9	6	11	71180	860	18	3410	1011	1	180	9	1130	28	2	19	1	1	24.1	162	1	1	1	4	2	4

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
39+0050E	0.1	13930	1	1	71	2.4	3	1070	2.2	5	12	43580	1050	10	3530	1294	3	60	6	1260	31	2	9	1	1	24.2	65	1	1	1	6	4	7
39+0100E	0.9	32200	1	7	83	2.8	4	540	2.7	5	14	66820	650	18	2880	161	3	130	6	540	25	4	4	1	1	25.3	97	1	1	1	5	1	4
39+0150E	2.6	23370	1	4	77	3.7	3	700	2.9	4	15	43160	780	14	5260	337	4	70	8	680	43	4	11	1	1	23.8	86	1	1	1	9	4	7
39+0200E	0.1	27880	1	8	95	3.5	4	720	3.5	5	15	55430	530	7	2330	526	4	110	6	4060	40	5	1	1	1	21.2	58	1	1	1	8	4	6
39+0250E	0.4	18000	1	3	90	3.3	4	610	2.8	5	11	68440	650	14	2950	204	3	100	7	710	30	4	9	1	1	29.7	72	1	1	1	8	3	5
39+0300E	0.5	17770	1	3	119	3.2	5	520	2.4	6	19	70400	740	17	3390	925	2	90	8	580	39	3	8	1	1	36.3	74	1	1	1	8	4	4
39+0350E	0.4	14040	1	1	63	3.2	4	680	2.9	4	13	42320	900	12	4530	173	4	40	8	620	32	4	10	1	1	36.9	59	1	1	1	8	4	8
39+0400E	0.4	18470	1	3	84	3.7	4	770	2.2	4	14	40680	740	16	4870	137	4	40	7	360	34	4	12	1	1	34.3	56	1	1	1	8	5	7
39+0450E	0.5	17400	1	2	89	3.9	4	470	3.8	6	26	43310	600	10	6460	145	4	40	9	650	40	6	11	1	1	58.0	60	1	1	1	9	5	6
39+0500E	0.1	15960	1	1	60	2.4	3	430	2.0	3	16	37740	610	8	3320	150	3	70	7	560	23	2	7	1	1	28.9	59	1	1	1	5	4	5
39+0550E	0.1	12570	1	1	51	2.9	3	1080	2.5	4	17	34750	960	7	3910	94	3	40	7	260	30	4	13	1	1	29.6	49	1	1	1	7	4	8
39+0600E	0.3	9230	1	1	53	3.0	3	800	1.7	3	15	31230	1230	4	2800	144	4	40	6	530	27	3	12	1	2	24.9	58	1	1	1	7	4	5
39+0650E	0.3	14440	1	1	89	2.9	4	1170	2.2	4	18	48820	740	11	3300	130	3	60	8	260	41	3	15	1	1	32.8	71	1	1	1	7	4	7
39+0700E	0.5	27270	1	10	136	4.2	5	1070	2.7	6	16	58720	1010	23	3820	152	4	90	9	580	44	6	12	1	1	36.3	103	1	1	1	9	4	10
39+0750E	0.4	39230	1	16	139	2.0	3	2360	2.0	5	13	69500	630	15	2220	305	2	190	5	700	15	3	13	1	1	20.4	93	1	1	1	6	1	1
39+0800E	0.5	21100	1	4	110	3.1	4	760	2.5	6	21	53480	840	14	4170	160	3	80	8	340	34	4	9	1	1	32.9	81	1	1	1	7	4	8
39+0850E	0.1	16650	1	1	243	0.7	2	1190	0.9	3	9	58490	950	7	1470	628	1	300	3	1100	19	1	7	1	1	20.4	73	1	1	1	2	2	1
39+0900E	0.1	26660	1	9	219	3.7	3	1480	3.1	9	19	56160	1030	23	4280	1215	3	70	9	3220	40	5	3	1	1	38.8	111	1	1	1	7	4	8
39+0950E	1.1	31590	1	15	218	4.5	5	1350	3.1	8	45	53560	1010	25	5650	765	5	80	14	710	44	6	11	1	1	41.3	112	1	1	1	11	4	20
39+1000E	0.6	25740	1	9	264	2.7	3	900	3.2	8	25	58800	1000	20	3890	875	2	120	10	1350	32	4	6	1	1	25.2	235	1	1	1	6	3	9
39+1050E	0.5	24180	1	7	256	3.5	4	770	2.4	6	19	41150	880	18	4220	293	4	60	9	1540	40	5	5	1	1	27.5	101	1	1	1	7	4	12
39+1100E	1.1	30410	1	12	152	3.6	5	1080	2.1	7	27	52560	810	18	4260	258	3	80	11	760	40	5	9	1	1	26.5	119	1	1	1	6	3	14
39+1150E	0.6	30280	1	12	338	3.8	5	2130	2.6	8	36	75140	1370	28	5180	581	4	130	15	840	45	6	19	1	1	38.2	124	1	1	1	8	3	19
39+1200E	1.0	28670	1	9	79	0.7	5	680	1.7	4	13	118380	600	14	1610	261	1	170	4	1780	26	2	1	1	1	36.4	69	1	1	1	2	1	1
39+1250E	0.7	43780	1	20	135	2.2	4	820	2.2	8	18	86670	630	19	1790	945	1	190	7	3100	25	4	1	1	1	28.8	93	1	1	1	5	1	2
39+1300E	0.1	24980	1	6	194	2.6	4	1890	2.1	6	11	51690	1030	17	3240	664	3	130	7	660	32	3	19	1	1	26.1	125	1	1	1	6	3	7
39+1350E	0.2	22120	1	4	105	2.6	4	730	1.9	5	14	50480	680	11	2070	367	2	110	7	1670	34	3	4	1	1	27.7	93	1	1	1	5	3	6
39+1400E	0.2	19150	1	1	102	3.4	3	740	2.5	5	17	39050	780	14	4740	296	5	40	9	600	31	6	8	1	1	30.4	75	1	1	1	7	4	8
39+1450E	0.1	34040	1	11	253	2.0	3	1040	2.2	7	15	72630	730	18	2310	1738	3	190	10	1030	26	4	4	1	1	23.5	167	1	1	1	5	1	1
39+1500E	0.3	26850	1	8	133	1.6	3	1180	1.8	6	12	76070	950	20	2410	968	1	190	10	1840	33	3	3	1	1	25.9	151	1	1	1	4	1	2
39+1550E	0.1	26030	1	7	235	1.6	3	1020	2.4	6	16	74780	900	20	2780	2437	1	180	10	1330	25	3	11	1	1	25.9	140	1	1	1	4	2	3
39+1600E	0.1	29230	1	9	277	2.6	3	1210	1.9	7	13	58300	1240	22	3480	1061	2	170	13	610	30	4	10	1	1	23.6	174	1	1	1	6	2	5
39+1650E	0.2	31290	1	9	263	1.5	3	1210	1.7	6	14	76630	720	19	2400	666	2	200	8	1970	23	3	3	1	1	20.4	129	1	1	1	3	1	1
39+0050W	1.3	14130	1	1	137	2.5	1	520	2.5	4	13	40610	810	8	2410	3444	3	120	8	510	62	5	13	1	1	20.6	73	1	1	1	4	3	9
39+0100W	0.3	11840	1	1	46	2.9	2	260	3.3	4	16	25060	730	8	2850	169	3	40	7	410	59	5	12	1	1	12.9	63	1	1	2	4	3	8
39+0150W	0.1	15800	1	1	126	3.1	3	770	3.2	4	12	44440	740	14	2920	273	3	70	4	750	38	5	15	1	1	27.6	73	1	1	1	4	3	10
39+0200W	0.4	33820	1	9	85	2.5	3	720	2.9	5	19	72190	520	12	1670	700	2	160	2	1580	27	2	16	1	1	23.1	65	1	1	1	6	5	8
39+0250W	0.2	43340	1	17	173	3.2	5	690	3.4	6	16	77370	820	24	2770	550	4	190	3	2790	24	2	19	1	1	26.1	102	1	1	1	6	6	9
39+0300W	0.1	15530	1	1	82	3.5	2	290	2.4	5	11	34410	720	13	4290	178	4	40	7	700	30	5	14	1	1	16.8	49	1	1	1	4	4	10
39+0350W	0.1	25160	1	4	152	2.2	3	760	1.4	5	16	51950	810	19	2540	924	3	160	10	860	27	3	14	1	1	21.5	67	1	1	1	4	4	8
39+0400W	0.5	29880	1	7	108	2.8	3	890	2.7	6	18	62880	800	20	2710	377	1	150	10	880	27	2	17	1	1	25.6	78	1	1	1	5	5	10
39+0450W	0.4	26490	1	6	119	2.7	3	630	2.3	8	25	61290	880	21	2220	920	2	160	9	2350	26	3	13	1	1	24.1	95	1	1	1	5	4	10
39+0500W	0.5	26210	1	7	115	2.3	3	790	1.9	6	15	74010	830	26	2190	987	2	150	4	1080	28	2	14	1	1	29.5	83	1	1	1	5	4	9
39+0550W	0.1	21800	1	3	106	2.4	3	550	3.0	4	23	38410	640	12	1650	171	2	100	7	570	22	4	11	1	1	15.4	49	1	1	1	4	3	7
39+0600W	0.1	36690	1	12	96	1.7	3	670	1.0	5	15	63520	640	16	1770	398	3	230	3	710	13	2	16	1	1	21.6	70	1	1	1	5	5	7
39+0650W	0.1	27260	1	7	125	2.4	3	460	2.0	5	14	66000	970	18	2140	1328	2	140	4	680	19	3	14	1	1	27.3	63	1	1	1	5	5	9
39+0700W	0.3	36090	1	10	101	1.8	2	590	1.6	6	15	79960	540	18	1790	1581	1	220	2	440	13	1	13	1	1	26.4	69	1	1	1	4	4	6
39+0750W	0.2	26500	1	5	76	2.4	3	410	3.7	4	14	55230	640	17	2420	286	3	120	4	460	17	2	12	1	1	27.0	48	1	1	1	4	4	9
39+0800W	0.1	27680	1	8	75	3.6	3	650	4.0	5	12	53470	720	23	8210	246	6	110	8	620	47	4	21	1	1	28.3	75	1	1	2	6	7	15
39+0850W	0.1	24610	1	5	67	2.6	3	480	2.5	5	19	47470	770	17	4830	146	3	90	7	330	39	4	16	1	1	23.9	62	1	1	1	5	5	13
39+0900W	0.1	25740	1	5	65	1.7	3	430	2.4	4	15	56730	630	16	2690	418	3	160	4	400	20	2	12	1	1	24.5	57	1	1	1	4	4	9

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
40+0050E	0.1	10650	1	1	64	2.1	2	170	1.5	3	13	28370	660	7	2360	73	2	50	7	240	37	5	7	1	1	16.0	42	1	1	1	4	2	11
40+0100E	0.7	29270	1	10	88	3.2	3	500	3.4	5	19	51060	460	11	1850	258	1	150	7	500	35	2	16	1	1	12.9	59	1	1	1	6	5	7
40+0200E	0.5	11750	7	2	40	3.5	3	290	5.8	7	17	35760	630	9	3960	877	4	30	12	470	78	7	13	1	1	14.2	51	1	1	1	6	4	13
40+0250E	0.1	9610	1	1	46	3.0	2	970	3.0	4	21	25440	480	7	3260	197	5	30	7	380	58	7	11	1	1	15.8	36	1	1	1	5	2	9
40+0300E	1.6	15230	1	4	78	2.9	3	2000	4.0	7	34	69530	610	12	2730	301	1	100	8	460	77	2	16	1	1	29.1	62	1	1	1	6	3	13
40+0350E	0.1	7210	2	1	36	2.4	2	190	1.5	3	14	27340	380	4	2610	85	4	10	7	400	45	7	8	1	1	17.1	31	1	1	1	4	2	9
40+0400E	0.3	6500	1	1	49	2.2	2	820	2.8	3	10	24230	410	5	1970	153	3	30	5	360	35	6	8	1	1	14.8	34	1	1	1	4	2	7
40+0450E	0.2	11020	3	4	35	2.6	4	370	2.7	3	12	48160	460	5	2390	130	1	60	4	750	36	6	11	1	1	35.0	44	1	1	1	5	3	10
40+0500E	0.6	12170	1	2	44	2.8	3	250	2.8	4	16	36260	550	10	3520	167	4	30	8	360	41	6	9	1	1	17.8	41	1	1	1	5	3	18
40+0550E	0.4	29330	1	12	115	3.2	3	840	4.5	5	14	52590	500	16	3370	248	4	80	4	620	35	3	15	1	1	26.8	94	1	1	1	6	4	10
40+0600E	0.3	13940	1	3	62	2.7	1	380	2.7	3	17	30800	620	12	3260	186	2	40	7	360	36	5	7	1	1	22.0	69	1	1	1	5	3	13
40+0650E	1.7	17790	9	6	110	3.3	2	3460	5.0	7	43	48000	990	10	2400	3870	3	110	17	780	61	5	20	1	1	21.1	132	1	1	1	6	4	15
40+0700E	0.5	28920	1	12	119	2.6	3	830	2.9	6	19	46220	660	14	2880	595	3	120	6	890	42	3	13	1	1	25.1	109	1	1	1	6	5	11
40+0750E	0.7	40510	1	18	157	2.4	3	850	2.8	5	12	55910	580	17	1880	683	1	170	4	890	19	1	14	1	1	19.2	124	1	1	1	6	6	8
40+0800E	0.5	22600	1	7	73	1.6	2	590	2.4	4	13	52690	560	15	2070	319	1	120	4	770	19	1	9	1	1	25.1	63	1	1	1	5	3	10
40+0850E	0.1	9190	1	1	40	3.0	3	300	2.6	3	15	35140	640	6	2230	115	2	20	6	340	40	6	10	1	1	28.4	43	1	1	1	5	3	13
40+0900E	0.4	13430	7	4	56	3.6	3	700	3.7	5	21	45550	570	9	5010	162	4	20	9	570	58	7	14	1	1	38.1	52	1	1	1	6	3	16
40+0950E	0.7	25620	1	11	74	2.2	4	930	2.9	5	16	64570	500	11	2030	426	1	130	2	1470	23	1	12	1	1	26.4	88	1	1	1	5	4	9
40+1000E	0.9	16540	13	6	54	3.3	4	1270	3.3	6	37	108360	750	16	3260	115	1	80	2	360	12	1	15	1	1	81.7	40	1	1	1	7	4	24
40+1050E	0.4	13340	1	3	79	2.9	3	1190	3.7	5	28	42350	810	10	4520	276	2	30	9	400	42	6	12	1	1	31.4	47	1	1	1	5	3	19
40+1100E	0.3	19550	6	7	81	3.7	3	680	3.0	6	30	45950	880	21	4510	149	3	40	10	340	49	6	14	1	1	27.7	72	1	1	1	6	4	16
40+1150E	0.5	18710	9	6	210	4.3	3	940	2.9	6	36	45240	1030	13	4690	381	5	30	12	430	57	6	17	1	1	29.8	68	1	1	1	6	4	25
40+1200E	0.5	15110	1	3	114	2.2	2	580	1.3	3	27	41660	710	8	2700	130	1	50	6	180	31	2	8	1	1	32.7	39	1	1	1	4	2	19
40+1250E	0.5	12340	1	2	248	3.3	3	1820	3.8	5	43	32330	690	9	4430	195	5	30	11	440	49	6	16	1	1	22.1	52	1	1	1	5	2	17
40+1300E	0.2	8110	1	1	37	3.4	3	260	3.7	7	27	30900	380	5	3370	94	4	10	10	240	51	7	9	1	1	17.4	40	1	1	1	5	2	7
40+1350E	0.7	38470	1	20	153	2.9	6	530	1.6	6	12	54820	430	15	1610	231	2	140	6	730	21	1	17	1	1	18.7	105	1	1	1	6	7	5
40+1400E	0.2	46500	1	23	143	2.3	5	780	2.6	6	10	65240	310	10	1130	1959	1	150	4	5140	11	1	18	1	1	13.6	111	1	1	1	6	6	3
40+1450E	0.4	35070	1	14	161	3.6	3	440	3.7	11	40	59890	810	15	3100	738	1	100	10	1210	34	1	15	1	1	24.7	80	1	1	1	6	6	9
40+1500E	0.3	27070	1	13	118	2.9	5	1000	2.2	8	12	71060	800	24	2490	488	1	140	4	2140	54	1	18	1	1	34.1	128	1	1	1	6	5	10
40+1550E	0.1	28640	1	14	176	2.7	3	870	3.1	7	14	51860	1040	26	2080	1168	1	170	9	910	28	1	15	1	1	22.0	128	1	1	1	6	5	9
40+1600E	0.2	32080	1	12	139	2.8	2	1230	2.1	6	20	56830	870	23	2560	264	1	170	16	400	11	1	15	1	1	19.8	119	1	1	1	5	4	7
40+1650E	0.1	23030	1	9	184	2.8	3	1160	2.9	5	15	56270	990	23	2900	210	1	120	12	1040	26	1	16	1	1	27.5	120	1	1	1	5	4	11
40+1700E	0.1	26070	1	11	224	3.8	3	1080	3.2	7	17	50820	1250	24	3770	877	2	100	12	830	40	4	17	1	1	27.2	136	1	1	1	6	5	13
40+0050W	0.5	26720	1	3	100	2.2	4	790	2.8	5	15	52890	630	15	2260	660	2	130	8	600	33	1	12	1	1	19.0	114	1	1	1	4	3	6
40+0100W	0.1	13900	1	1	100	2.7	2	450	2.4	5	10	32360	590	13	2790	287	3	40	7	550	33	4	11	1	1	20.5	54	1	1	1	4	2	8
40+0150W	0.2	38580	1	12	142	3.0	4	680	1.5	7	15	56200	560	17	3080	304	5	120	8	670	29	1	18	1	1	20.2	68	1	1	1	5	7	7
40+0200W	0.3	34710	1	11	156	2.8	4	710	3.2	6	18	59280	790	18	3070	411	4	150	9	940	22	1	18	1	1	20.6	79	1	1	1	5	5	7
40+0250W	0.2	18820	1	1	146	2.2	2	1160	2.0	4	10	47570	730	15	2660	999	3	100	6	1540	24	2	13	1	1	23.5	45	1	1	1	4	4	9
40+0300W	0.6	35350	1	11	194	2.7	4	1220	1.1	7	17	65730	730	18	3220	550	4	130	7	730	31	1	21	1	1	24.9	69	1	1	1	5	6	9
40+0350W	0.2	26830	1	3	122	2.7	4	720	1.8	5	12	53870	700	20	2960	380	3	90	8	1180	36	2	14	1	1	22.5	59	1	1	1	5	4	8
40+0400W	0.2	26550	1	3	156	2.7	4	700	2.0	5	14	53040	740	18	2990	420	2	120	10	770	21	1	14	1	1	20.0	59	1	1	1	4	4	8
40+0450W	0.4	28640	1	6	143	2.9	5	690	1.8	6	18	57110	660	16	2520	410	4	110	11	560	29	1	15	1	1	20.2	67	1	1	1	5	3	7
40+0500W	0.3	27590	1	6	228	2.9	4	580	2.6	7	30	56270	760	19	2250	734	4	100	16	380	33	3	17	1	1	21.7	69	1	1	1	5	5	8
40+0550W	0.2	17870	1	1	119	2.4	2	690	2.7	6	40	41580	690	15	2160	339	3	50	13	490	26	5	12	1	1	16.8	79	1	1	1	4	4	8
40+0600W	0.7	15880	1	1	145	2.4	2	630	2.1	5	15	43610	910	16	1960	1089	1	70	9	390	29	4	12	1	1	19.3	188	1	1	1	4	3	7
40+0650W	1.0	20800	1	1	178	2.8	4	420	2.8	7	15	48080	840	19	2630	658	4	80	12	350	44	4	13	1	1	22.7	232	1	1	1	4	5	9
40+0700W	0.3	22480	1	2	137	3.6	4	450	2.1	9	18	50920	670	20	5690	2284	6	60	15	390	50	5	19	1	1	41.0	93	1	1	1	6	6	19
40+0750W	0.6	33880	1	11	90	4.6	6	1900	3.7	9	38	55380	700	22	6770	585	7	90	16	680	54	6	26	1	1	50.0	88	1	1	1	7	9	15
40+0800W	0.3	24490	1	2	82	4.6	5	2000	4.0	10	44	44780	780	23	5200	1314	7	40	21	920	64	6	23	1	1	30.3	77	1	1	2	6	6	28
40+0850W	0.3	21590	1	1	64	3.7	4	1360	2.4	7	24	40700	690	24	6600	445	3	60	14	440	44	5	19	1	1	31.5	72	1	1	1	6	7	16
40+0900W	0.9	30850	1	7	95	3.1	4	480	2.1	8	24	47600	700	18	3830	407	5	60	11	920	56	4	17	1	1	26.5	109	1	1	1	6	7	10
40+0950W	0.3	23080	1	2	88	3.9	4	330	2.5	5	11	44740	460	19	3500	205	6	50	7	440	53	6	17	1	1	33.2	63	1	1	1	6	5	12
40+1000W	0.2	32450	1	6	71	2.1	4	360	2.3	5	13	57340	360	11	2030	2582	3	80	7	810	13	1	9	1	1	15.9	71	1	1	1	4	4	6

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
41+0050E	0.1	20950	1	6	124	2.2	1	1310	2.1	5	25	42060	750	15	2380	427	1	120	8	350	18	2	9	1	1	17.1	64	1	1	1	4	3	5
41+0100E	0.1	23850	1	8	142	3.0	4	620	2.0	9	43	36450	940	16	2360	130	4	100	17	240	32	4	11	1	1	15.0	102	1	1	1	5	4	6
41+0150E	0.1	7990	1	1	30	2.0	2	530	1.7	2	18	16770	600	10	2640	123	4	30	6	130	29	5	5	1	1	10.6	38	1	1	1	4	1	5
41+0200E	0.1	22210	1	7	227	2.6	3	1060	3.0	5	17	52800	1420	20	2740	822	1	170	13	840	33	1	12	1	1	18.8	171	1	1	1	4	4	6
41+0250E	0.2	24730	1	7	150	2.7	3	800	2.8	6	30	51870	1100	16	3270	153	1	120	9	510	26	1	10	1	1	22.0	93	1	1	1	5	3	7
41+0300E	0.1	19170	1	5	154	2.4	1	720	2.6	5	17	37160	950	16	2550	556	3	80	11	580	30	2	9	1	1	19.4	158	1	1	1	4	3	6
41+0350E	0.2	26770	1	11	189	2.4	3	1100	2.5	6	18	57890	1100	19	2630	1086	1	160	10	1710	18	1	15	1	1	19.7	162	1	1	1	5	4	6
41+0400E	0.2	23920	1	8	85	3.4	3	440	4.3	8	36	45850	720	17	2640	111	5	110	19	380	32	4	13	1	1	16.1	83	1	1	1	5	4	9
41+0450E	0.4	27820	1	9	79	3.0	3	690	3.7	18	36	44170	960	25	4680	594	4	100	20	770	56	3	12	1	1	21.0	90	1	1	1	5	5	10
41+0500E	0.1	23410	1	7	114	2.0	3	930	2.0	5	11	48140	690	16	2610	373	1	120	6	1060	22	1	10	1	1	16.6	86	1	1	1	4	3	5
41+0550E	0.1	12640	1	2	95	1.9	1	1190	3.0	3	8	36530	960	13	2510	875	2	80	3	370	28	3	9	1	1	25.3	57	1	1	1	4	1	6
41+0600E	0.1	20480	1	8	96	2.7	3	1080	3.4	6	17	53440	910	21	3110	307	3	100	8	410	28	3	14	1	1	35.8	90	1	1	1	5	4	7
41+0650E	0.1	14350	1	2	75	3.0	3	600	6.0	5	32	37720	800	14	6370	267	3	40	8	170	40	5	11	1	1	48.1	50	1	1	1	5	3	5
41+0700E	0.4	23130	1	7	116	2.2	2	1060	2.9	6	22	58480	900	19	2870	510	1	130	4	1420	19	1	9	1	1	32.7	116	1	1	1	5	3	6
41+0750E	0.2	15320	1	4	143	2.1	2	1580	3.6	5	11	41870	760	14	2790	1357	1	90	6	290	25	2	11	1	1	31.5	134	1	1	1	4	3	7
41+0800E	0.3	24180	2	11	212	3.1	3	1740	2.6	7	24	61250	1350	22	3850	372	1	120	10	590	33	3	17	1	1	45.7	127	1	1	1	6	4	10
41+0850E	0.5	26130	1	11	194	1.7	3	1350	2.1	5	13	56310	940	18	2230	1115	1	200	7	1370	17	1	12	1	1	18.4	177	1	1	1	4	4	6
41+0900E	0.6	33100	4	17	221	3.2	3	1660	3.5	7	25	61500	1800	31	3690	386	3	130	23	520	43	3	22	1	1	35.7	273	1	1	1	6	7	14
41+0950E	0.3	20550	1	7	170	2.4	2	1560	4.6	6	23	56950	1090	17	3660	770	1	110	8	490	22	1	12	1	1	30.3	100	1	1	1	5	3	10
41+1000E	0.2	15890	1	4	167	1.6	2	1430	3.1	4	9	47530	780	15	2940	711	1	100	3	90	25	1	8	1	1	30.2	56	1	1	1	4	1	9
41+1050E	0.5	32760	1	15	170	2.4	2	1050	2.6	6	32	66180	890	20	4320	162	1	160	6	490	24	1	14	1	1	29.8	78	1	1	1	6	5	12
41+1100E	0.5	31700	1	15	169	2.5	3	890	1.6	6	18	59760	980	19	3640	718	2	150	10	790	27	2	14	1	1	25.2	110	1	1	1	5	6	11
41+1150E	0.1	11830	1	1	140	2.4	1	630	2.9	3	10	24250	750	13	2900	283	2	30	5	190	39	5	6	1	1	17.1	72	1	1	1	4	1	9
41+1200E	0.2	18260	1	5	233	2.9	2	1110	3.8	5	10	40250	1130	18	3690	1545	2	50	8	310	45	4	13	1	1	26.2	86	1	1	1	5	3	12
41+1250E	0.5	26530	13	13	298	4.0	4	1970	5.2	11	28	62920	1360	20	3350	3142	1	100	16	1110	60	4	24	1	1	25.6	239	1	1	1	6	6	11
41+1300E	0.3	20660	1	8	106	2.9	3	640	2.9	8	16	47610	850	16	3110	213	3	80	8	460	33	4	11	1	1	21.6	92	1	1	1	5	4	8
41+1400E	0.7	32550	1	13	170	2.3	2	1640	1.8	6	15	71640	710	17	2210	387	1	220	5	1150	18	1	14	1	1	24.0	111	1	1	1	5	5	7
41+1450E	0.5	33030	1	15	147	2.7	3	1560	3.1	6	19	56730	690	20	2860	243	3	190	9	1480	33	2	20	1	1	20.8	169	1	1	1	5	6	10
41+1500E	0.2	22400	1	9	232	2.9	3	1340	3.5	6	12	47780	1270	21	3120	1113	1	110	9	490	42	2	16	1	1	24.0	132	1	1	1	5	5	10
41+1550E	0.3	24880	1	10	285	3.3	4	2320	4.6	9	25	62430	1670	23	3660	1847	1	110	12	470	51	1	24	1	1	29.3	114	1	1	1	6	5	13
41+1600E	0.5	35360	1	15	413	1.7	3	2330	1.6	5	29	76890	840	17	1820	2299	1	360	9	2810	19	1	24	1	1	17.8	176	1	1	1	5	4	5
41+1650E	1.0	43240	1	20	166	1.8	3	1500	1.8	5	23	81090	390	12	1220	181	1	300	1	5770	17	1	21	1	1	20.5	106	1	1	1	6	6	5
41+1700E	0.2	19710	1	6	128	2.9	4	1030	2.2	6	16	44740	580	12	2970	375	4	80	10	1080	38	5	17	1	1	21.4	77	1	1	1	5	4	8
41+0050W	0.3	31290	1	8	226	4.6	4	390	3.8	9	26	40700	860	19	3590	176	7	90	18	390	62	7	20	1	1	17.7	79	1	1	1	6	8	13
41+0100W	0.8	56310	1	22	97	2.9	3	660	2.4	6	18	68680	450	16	1420	442	5	210	3	360	20	1	17	1	1	16.6	170	1	1	1	5	5	7
41+0150W	0.5	29620	1	7	108	2.5	4	790	3.0	6	18	48840	700	12	1810	330	4	160	6	490	39	4	15	1	1	17.5	96	1	1	1	4	4	9
41+0200W	0.4	37490	1	11	140	4.1	4	640	3.3	7	20	56660	830	20	4250	352	7	110	13	1020	48	5	21	1	1	21.4	115	1	1	1	6	5	12
41+0250W	0.3	24660	1	4	160	3.1	4	790	2.9	6	11	57270	830	20	3810	857	4	110	9	900	31	4	17	1	1	28.4	77	1	1	1	6	5	11
41+0300W	0.3	25010	1	3	151	3.0	3	670	1.9	7	12	56290	870	18	3410	1336	2	100	9	870	27	3	15	1	1	21.8	60	1	1	1	5	5	10
41+0350W	0.2	24750	1	2	206	2.6	3	620	3.2	6	11	60050	980	23	3270	784	2	120	11	640	29	1	13	1	1	22.9	68	1	1	1	4	3	10
41+0400W	0.1	25970	1	5	109	3.1	4	350	3.0	8	14	51190	1060	22	3530	398	4	80	8	660	35	5	13	1	1	22.6	68	1	1	1	5	5	11
41+0450W	0.2	15580	1	35	110	2.1	2	380	1.9	4	7	43950	740	14	2080	158	2	140	4	260	20	5	11	1	1	22.9	45	1	1	1	4	2	8
41+0500W	0.1	20550	1	1	100	2.5	2	370	1.4	5	11	42630	560	14	2670	559	2	90	6	450	22	5	10	1	1	19.7	40	1	1	1	4	3	8
41+0550W	0.5	33760	1	8	124	2.8	4	640	2.2	6	18	58470	680	20	2180	961	4	110	9	800	34	1	15	1	1	22.3	75	1	1	1	5	5	10
41+0600W	0.5	45250	1	13	76	2.1	4	400	1.0	5	30	71770	220	8	1390	858	3	80	4	620	18	1	13	1	1	13.9	53	1	1	1	4	3	2
41+0650W	0.2	33370	1	7	74	3.1	4	280	2.4	7	9	70650	330	13	1620	905	2	70	4	1000	23	1	13	1	1	22.3	56	1	1	1	5	4	5
41+0700W	0.1	25130	1	2	91	2.6	3	360	1.4	9	12	38200	450	15	1890	2925	3	50	8	450	43	3	10	1	1	18.6	97	1	1	1	4	4	7
41+0750W	0.1	17830	1	1	73	3.6	4	600	2.8	6	21	42760	490	16	4680	564	4	50	9	350	41	5	15	1	1	47.9	63	1	1	1	5	4	16
41+0800W	0.5	33780	1	7	94	1.6	4	990	1.9	5	16	81790	390	11	1480	1231	2	230	1	1250	12	1	15	1	1	24.2	59	1	1	1	4	4	4
41+0850W	0.3	38200	1	10	75	3.7	4	440	3.6	7	28	62810	620	21	6800	173	4	110	10	500	38	1	18	1	1	35.9	71	1	1	1	6	5	12
41+0900W	0.3	33730	1	7	78	3.0	4	500	2.8	6	52	65110	590	20	3740	734	2	120	6	660	33	1	15	1	1	34.7	73	1	1	1	5	5	10
41+0950W	0.4	35580	1	10	98	2.8	4	730	2.2	8	49	71180	600	18	4040	710	4	120	8	540	34	1	19	1	1	41.2	82	1	1	1	6	7	12
41+1000W	1.0	51080	1	19	65	2.9	6	360	1.6	5	16	102810	320	14	1450	228	5	170	1	440	23	1	21	1	1	35.1	88	1	1	1	7	8	7
41+1050W	0.3	22780	1	1	42	1.5	4	750	1.0	6	10	81930	350	14	1590	782	1	190	3	430	13	1	12	1	1	31.7	72	1	1	1	4	3	9

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
43+0050E	0.3	28820	1	5	105	3.1	4	640	2.2	7	57	50110	1000	16	2680	392	2	120	8	370	26	2	11	1	1	16.6	66	1	1	1	4	4	6
43+0100E	0.1	21670	1	1	229	2.6	1	510	1.8	7	23	41690	970	16	2190	1375	4	90	14	260	25	4	9	1	1	17.2	110	1	1	1	4	3	6
43+0150E	0.1	18010	1	1	200	2.5	1	1710	1.4	6	13	43330	1270	17	2300	1534	2	140	13	310	26	3	17	1	1	18.9	190	1	1	1	4	3	6
43+0200E	0.1	27190	1	7	159	3.3	4	1180	2.6	7	21	51650	1050	19	3090	638	4	110	15	990	40	4	18	1	1	22.0	143	1	1	1	5	7	7
43+0250E	0.2	22470	1	4	295	2.7	3	1630	2.6	7	12	58650	1410	21	3270	1963	2	160	14	360	18	2	21	1	1	24.0	172	1	1	1	4	4	7
43+0300E	0.1	23240	1	1	222	3.0	3	1080	1.6	6	21	51570	1140	15	3520	1159	2	110	9	450	36	3	16	1	1	23.9	89	1	1	1	4	4	6
43+0350E	0.5	28730	1	6	165	2.9	3	880	2.6	8	28	54980	1100	16	3230	368	3	140	26	500	39	2	17	1	1	22.1	199	1	1	1	4	5	6
43+0400E	0.2	28280	1	6	252	3.0	3	930	3.0	8	20	54130	1030	17	3330	1114	7	100	19	1120	47	4	20	1	1	21.0	148	1	1	1	5	6	7
43+0450E	0.5	36630	1	12	154	3.4	5	1040	1.6	9	18	67640	910	20	4310	430	5	130	18	1330	44	2	24	1	1	25.8	107	1	1	1	5	8	10
43+0500E	0.5	32530	1	10	243	3.5	5	1590	2.6	10	16	63900	1120	21	4100	316	5	150	13	1310	40	3	30	1	1	26.8	107	1	1	1	6	8	9
43+0550E	0.4	39210	1	15	202	4.4	4	1370	3.0	9	19	64190	1120	20	4810	441	5	150	13	1040	50	3	26	1	1	30.7	118	1	1	1	6	8	7
43+0600E	0.2	17640	1	1	122	3.2	1	530	2.4	6	25	31680	1160	11	3090	184	4	50	7	330	40	7	10	1	1	23.7	68	1	1	1	4	4	9
43+0650E	0.6	37500	1	14	226	4.1	5	1480	3.6	8	21	74450	1270	26	6080	285	5	150	8	1190	42	1	24	1	1	48.6	152	1	1	1	6	8	9
43+0700E	0.5	29560	1	9	108	4.4	4	1240	3.0	9	64	65060	1240	18	6330	220	5	100	9	410	32	6	24	1	1	71.8	87	1	1	1	6	8	9
43+0750E	0.3	21520	1	2	170	3.5	1	1690	2.2	6	19	35640	1380	18	2940	399	4	110	11	510	43	6	18	1	1	29.2	132	1	1	1	4	6	9
43+0800E	0.9	37410	1	10	224	3.0	4	1220	2.2	7	29	68230	1110	23	3120	512	3	170	16	640	20	1	15	1	1	31.1	151	1	1	1	5	5	8
43+0850E	0.7	35500	1	10	242	3.4	5	1280	2.1	8	25	65180	1000	22	3510	557	3	160	14	580	34	1	19	1	1	29.7	182	1	1	1	5	5	10
43+0900E	0.5	36900	1	13	264	3.1	4	1120	2.8	8	25	66580	1170	22	3470	712	4	170	21	660	42	1	18	1	1	29.1	314	1	1	1	5	7	9
43+0950E	0.7	31190	1	9	229	3.7	3	1410	2.8	8	18	55410	1300	21	4050	1173	4	120	19	720	48	5	24	1	1	30.9	223	1	1	1	5	5	14
43+1000E	0.4	19610	1	1	101	3.0	3	1200	2.4	6	31	45380	1070	24	4880	405	2	120	13	220	28	5	13	1	1	30.2	129	1	1	1	4	3	15
43+1050E	0.5	20730	1	1	111	2.8	3	1420	2.0	7	25	56010	1130	20	4970	808	2	70	10	700	47	4	17	1	1	36.4	106	1	1	1	5	4	17
43+1100E	0.5	33590	1	10	234	3.2	4	1240	3.2	8	38	68810	1510	22	4040	1271	3	250	10	720	31	1	19	1	1	40.3	143	1	1	1	5	6	14
43+1150E	0.5	27560	1	5	197	3.8	3	1590	2.9	9	29	53660	1030	21	6580	375	4	100	13	320	40	5	21	1	1	43.9	119	1	1	1	5	5	26
43+1200E	0.3	21380	1	1	208	3.0	2	1410	2.2	5	18	40380	890	18	3640	431	2	80	9	580	27	4	13	1	1	29.6	90	1	1	1	4	2	12
43+1250E	0.3	29580	1	8	323	3.6	3	3020	2.4	10	25	56080	1980	23	4490	1589	5	90	16	1030	44	4	30	1	1	29.5	158	1	1	1	5	5	16
43+1300E	0.1	22510	1	3	180	2.6	2	900	1.7	7	21	49370	1420	20	3110	1247	3	90	12	540	31	2	12	1	1	20.1	107	1	1	1	4	3	8
43+1350E	0.1	25090	1	5	219	2.8	2	1150	1.8	6	18	51670	1300	21	3550	530	3	90	8	350	36	2	16	1	1	22.7	89	1	1	1	4	3	8
43+1400E	0.3	28030	1	9	148	4.0	4	1310	2.6	9	26	70790	1370	28	3730	365	5	100	11	790	44	3	23	1	1	33.5	119	1	1	1	6	5	14
43+1450E	0.1	24920	1	6	161	3.0	3	1210	2.4	8	27	47280	1260	17	3580	179	4	120	16	780	31	5	19	1	1	20.9	108	1	1	1	4	3	9
43+1500E	0.2	29050	1	7	291	3.0	2	1020	2.4	7	27	49960	1810	23	3240	1115	4	140	10	1140	34	2	15	1	1	22.5	126	1	1	1	4	3	10
43+1550E	0.3	32520	1	10	391	3.0	2	1590	2.0	12	22	72920	1830	26	3430	1842	2	190	13	2530	43	1	24	1	1	23.5	188	1	1	1	5	3	7
43+1650E	0.9	44830	1	21	319	6.2	6	1590	4.0	17	52	119100	3950	43	9540	1203	6	90	32	890	85	1	41	1	1	58.3	207	1	1	1	9	9	29
43+1700E	0.4	37800	1	15	271	2.2	4	2220	2.0	7	20	75050	1660	33	3200	450	2	330	10	1560	28	1	28	1	1	20.5	156	1	1	1	5	5	7
43+0100W	0.2	26830	1	7	166	3.0	2	790	1.9	6	22	44690	1290	19	3020	443	4	150	9	290	25	3	15	1	1	19.3	65	1	1	1	4	3	9
43+0150W	0.1	15600	1	1	108	2.6	2	730	1.8	4	12	25690	1170	14	3070	293	3	60	7	250	26	6	11	1	1	12.5	45	1	1	1	4	3	8
43+0200W	0.1	11500	1	1	49	2.1	2	600	2.0	3	14	19200	940	9	3480	193	3	40	6	210	30	7	10	1	1	7.3	32	1	1	1	3	1	8
43+0250W	0.4	40520	1	16	105	1.8	4	850	1.1	5	16	68890	790	15	2240	741	4	360	2	1380	20	1	18	1	1	20.3	75	1	1	1	4	4	6
43+0300W	0.2	14720	1	1	81	3.1	2	2400	1.3	4	9	38140	620	15	3100	124	2	80	3	260	32	6	15	1	1	18.1	35	1	1	1	4	3	10
43+0350W	0.4	20230	1	5	223	3.3	4	1910	3.5	7	12	74330	1160	24	3510	1232	3	130	6	1890	34	3	21	1	1	28.1	82	1	1	1	5	4	11
43+0400W	0.1	7650	1	1	56	1.1	2	830	1.3	2	4	26510	650	5	1220	162	1	80	3	180	12	6	8	1	1	20.3	22	1	1	1	3	1	7
43+0450W	0.3	22760	1	5	124	2.9	3	690	2.5	5	8	54100	890	22	2650	173	4	110	6	1010	26	4	15	1	1	23.2	67	1	1	1	5	4	9
43+0500W	0.3	25760	1	7	112	2.8	3	750	2.0	6	15	50570	950	15	2090	362	4	130	9	1630	24	3	15	1	1	19.1	48	1	1	1	4	4	8
43+0550W	0.1	10800	1	1	109	0.7	2	760	1.2	3	6	38310	780	5	1340	690	1	120	1	240	13	3	8	1	1	20.7	31	1	1	1	3	1	7
43+0600W	0.7	32370	1	13	147	3.6	5	650	2.0	6	15	62250	800	23	2420	482	6	160	5	720	36	4	20	1	1	30.2	124	1	1	1	6	6	13
43+0650W	0.3	18240	1	4	93	3.3	3	640	3.0	5	19	43420	840	18	3770	131	4	70	8	880	42	7	17	1	1	30.0	67	1	1	1	5	3	16
43+0700W	0.4	25590	1	7	120	2.0	4	1410	2.4	7	18	83230	700	17	3490	999	1	230	7	1170	14	1	16	1	1	37.3	85	1	1	1	4	4	13
43+0750W	0.5	53250	1	23	94	2.3	5	1200	3.0	7	25	97030	400	14	2160	467	5	290	2	1060	13	1	24	1	1	29.2	108	1	1	1	6	10	8
43+0800W	0.3	38520	1	14	129	2.1	5	1020	2.1	7	24	102540	610	13	2680	734	1	220	3	790	10	1	22	1	1	38.1	85	1	1	1	5	6	8
43+0850W	0.3	28240	1	6	89	2.2	5	940	2.7	7	15	107920	720	20	3910	950	1	200	2	600	20	1	17	1	1	48.1	85	1	1	1	5	5	20
43+0900W	0.4	44890	1	16	123	3.2	5	960	3.2	8	37	95120	740	21	4040	431	4	240	4	630	32	1	21	1	1	45.2	87	1	1	1	6	7	13

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
44+0050E	0.2	23650	1	3	144	2.8	2	1100	2.1	8	88	52010	1130	21	2970	500	3	110	8	310	13	2	13	1	1	20.4	86	1	1	1	4	3	7
44+0100E	0.1	21490	1	1	176	2.0	2	610	1.8	6	27	51180	1090	19	2440	955	2	140	10	250	11	1	8	1	1	18.5	95	1	1	1	4	2	5
44+0150E	0.1	18760	1	1	154	2.3	3	800	2.0	5	14	41060	1230	13	1850	967	3	110	10	320	32	4	12	1	1	16.0	121	1	1	1	4	3	7
44+0200E	0.4	27090	1	7	157	2.7	3	710	2.0	8	21	56890	990	16	2340	1236	4	110	12	900	37	4	17	1	1	21.0	178	1	1	1	5	4	9
44+0250E	0.4	19770	1	2	160	3.0	3	1050	2.0	6	15	47610	1190	13	2810	1082	3	110	9	360	32	4	16	1	1	23.6	157	1	1	1	4	3	7
44+0300E	0.5	35780	1	13	173	3.0	4	950	1.9	7	16	70400	890	18	2600	507	2	180	14	520	21	1	18	1	1	23.2	263	1	1	1	5	4	6
44+0350E	0.3	24980	1	5	138	2.7	2	810	2.6	5	23	52990	1050	14	2350	303	2	150	11	350	25	2	12	1	1	18.2	127	1	1	1	4	4	4
44+0400E	0.2	17960	1	1	269	2.0	2	1460	2.9	6	12	49770	1190	16	2660	1362	1	130	11	170	24	2	14	1	1	24.4	145	1	1	1	3	2	5
44+0450E	0.2	25540	1	5	142	3.1	3	1290	1.8	5	19	42400	1290	14	2170	152	3	140	19	280	16	4	18	1	1	17.6	94	1	1	1	4	2	5
44+0500E	0.1	12180	1	1	134	1.9	1	1550	2.3	3	8	25270	840	9	2770	509	2	70	5	290	19	6	15	1	1	14.9	46	1	1	1	3	2	6
44+0550E	0.2	26290	1	6	282	2.9	3	1980	2.5	8	20	50360	1310	23	3420	1844	2	150	18	290	34	3	22	1	1	25.9	101	1	1	1	4	5	7
44+0600E	0.3	17260	1	1	112	3.2	3	810	2.4	6	21	42320	1030	17	5000	203	2	80	7	140	21	5	13	1	1	38.2	75	1	1	1	4	4	7
44+0650E	0.6	32560	1	12	250	2.6	4	2140	1.7	6	16	78740	1020	20	2730	888	2	200	5	690	13	1	24	1	1	33.4	129	1	1	1	5	5	6
44+0700E	0.4	33570	1	12	194	4.4	4	1620	3.7	8	31	59490	1780	24	3750	1481	4	150	15	660	50	4	26	1	1	34.9	168	1	1	1	6	6	10
44+0750E	0.5	35820	1	13	193	3.9	4	990	2.1	8	29	75210	1250	26	4600	737	4	200	11	610	26	1	20	1	1	49.9	156	1	1	1	6	5	7
44+0800E	0.5	30400	1	8	111	4.6	4	1820	4.2	8	44	69770	1180	22	8980	1835	4	190	16	270	47	3	24	1	1	78.0	94	1	1	1	6	6	11
44+0850E	0.4	28210	1	7	252	2.6	2	1610	2.6	6	22	58840	1210	20	3500	870	2	190	9	690	22	1	18	1	1	35.3	170	1	1	1	5	3	8
44+0900E	0.8	40940	1	18	193	4.3	4	1790	3.4	10	20	83180	1290	32	3430	738	4	200	9	720	33	1	25	1	1	43.1	246	1	1	1	6	8	11
44+0950E	0.7	50690	1	25	377	5.2	5	1000	3.0	8	38	66080	2370	30	3560	917	6	190	21	590	49	2	26	1	1	32.6	218	1	1	1	6	10	14
44+1000E	0.5	37560	1	15	300	3.2	5	1620	2.7	9	19	79580	1370	21	3930	1864	5	220	13	590	51	1	25	1	1	35.5	169	1	1	1	6	7	16
44+1050E	0.1	33630	1	11	231	2.5	4	1290	2.4	7	16	67080	1290	24	3540	1009	4	210	10	1160	29	1	20	1	1	28.2	178	1	1	1	5	4	13
44+1100E	0.2	34820	8	13	158	5.0	5	4390	3.7	12	53	86080	1510	27	9930	1091	8	130	18	580	63	4	45	1	1	99.4	148	1	1	2	8	9	39
44+1150E	1.0	68790	1	38	391	6.4	7	2960	3.6	12	95	112520	2590	44	6880	63511	250	33	870	60	1	50	1	1	63.6	198	1	1	1	9	15	34
44+1200E	0.1	19980	6	3	82	3.5	5	2420	2.7	9	43	65400	1040	23	9290	418	4	40	12	380	41	6	25	1	1	57.7	80	1	1	1	6	6	27
44+1250E	0.1	31950	1	10	286	3.0	4	2340	2.7	8	21	78190	1030	27	6430	972	4	170	12	420	27	1	26	1	1	39.9	132	1	1	1	5	6	22
44+1300E	0.1	18920	1	2	318	2.1	2	700	2.2	4	10	32140	1940	16	2180	861	4	90	6	230	40	4	12	1	1	17.4	84	1	1	1	4	3	8
44+1350E	0.1	31180	1	11	271	3.2	4	1390	2.1	7	16	54810	1790	25	3870	484	6	110	15	430	46	3	21	1	1	25.2	148	1	1	1	5	5	13
44+1400E	0.3	32540	5	13	247	4.1	4	1690	2.0	15	31	70590	2040	23	4010	3297	6	80	19	980	106	4	29	1	1	28.2	204	1	1	1	7	8	17
44+1450E	0.1	30910	1	12	382	3.8	4	3170	1.9	9	17	41880	2260	27	3930	1128	6	110	14	670	72	5	31	1	1	24.2	156	1	1	2	5	7	14
44+1500E	0.3	33100	1	11	292	4.0	3	1430	2.4	8	21	55190	2020	26	4480	836	4	110	18	570	67	3	22	1	1	23.4	225	1	1	1	5	5	13
44+1550E	0.2	30130	1	9	290	3.4	4	1530	1.9	8	24	52430	2180	23	3940	733	4	120	15	490	42	3	20	1	1	22.5	145	1	1	1	5	6	13
44+1600E	0.4	39980	1	17	346	2.7	5	1850	2.2	9	21	76590	1460	28	3870	884	5	220	20	1870	34	1	26	1	1	29.1	208	1	1	1	6	8	13
44+1650E	0.5	38600	1	16	225	2.3	5	1570	1.4	8	21	79880	1460	26	3260	788	5	350	14	1570	22	1	24	1	1	23.9	178	1	1	1	5	8	8
44+1700E	0.5	36760	1	14	328	2.5	4	1730	2.0	8	16	77380	1280	25	3970	679	4	220	15	1490	30	1	24	1	1	27.6	177	1	1	1	5	6	11
44+1750E	0.4	25250	1	7	346	1.6	4	1840	0.9	6	12	67490	1120	20	2670	1220	2	240	7	430	8	1	17	1	1	23.9	133	1	1	1	4	3	10
44+0100E	0.2	16210	5	6	76	3.2	2	2130	1.9	8	35	30230	700	19	4720	208	4	60	9	220	30	5	20	1	1	14.4	44	1	1	1	4	3	10
44+0150E	0.3	14800	1	3	115	2.8	3	1960	2.2	6	26	44970	860	11	2340	477	2	70	7	380	12	2	17	1	1	18.1	45	1	1	1	4	2	8
44+0200E	0.1	12850	1	2	146	2.4	2	500	1.5	4	12	27260	760	12	2210	512	3	60	7	510	22	5	11	1	1	13.3	56	1	1	1	3	2	7
44+0250E	0.4	18110	1	7	203	2.6	4	2500	1.3	6	23	36840	1010	11	1660	635	3	110	10	1320	16	3	22	1	1	14.1	43	1	1	1	4	3	6
44+0300E	0.1	13720	1	4	138	2.6	2	630	2.7	5	20	25100	980	11	2920	1148	4	60	9	460	26	5	13	1	1	10.1	61	1	1	1	4	3	6
44+0350E	0.1	11200	1	1	53	2.9	2	680	2.6	4	19	22690	740	9	3570	195	3	30	7	410	19	6	12	1	1	10.0	31	1	1	2	3	1	8
44+0400E	0.1	10190	2	1	67	2.5	1	350	1.2	3	9	40600	440	8	1700	56	3	80	4	220	13	4	12	1	1	20.3	29	1	1	1	4	1	5
44+0450E	0.3	21060	1	8	87	3.5	1	560	1.7	5	13	33940	530	12	2510	189	3	70	5	640	26	4	13	1	1	15.3	45	1	1	1	4	4	6
44+0500E	0.4	22320	1	9	153	3.5	3	570	2.9	6	9	52410	570	17	2430	638	5	90	5	2130	21	2	14	1	1	21.4	72	1	1	1	5	5	7
44+0550E	0.3	16920	1	5	102	3.4	1	1760	2.8	5	12	38570	560	12	2470	369	3	60	6	690	23	4	16	1	1	16.7	41	1	1	1	4	3	8
44+0600E	0.4	19850	1	8	90	2.6	3	610	2.3	5	17	31650	710	12	2520	330	5	70	8	480	23	5	15	1	1	17.0	68	1	1	1	4	4	8
44+0650E	0.2	16540	1	4	79	3.4	1	520	3.5	4	9	31660	530	13	3770	421	4	50	5	990	20	5	11	1	1	20.3	42	1	1	1	4	3	10
44+0700E	0.6	34430	1	15	91	2.5	2	600	2.2	8	24	69360	610	19	2890	1341	2	180	5	1340	14	1	11	1	1	27.6	105	1	1	1	5	5	8
44+0750E	0.6	35600	1	18	84	4.1	5	520	4.2	9	25	74660	660	23	6580	543	6	110	8	1910	31	1	19	1	1	50.5	83	1	1	1	6	8	16
44+0800E	1.1	39170	1	19	72	3.1	4	1060	2.3	6	15	68260	460	17	3260	206	5	230	2	1070	13	1	20	1	1	27.4	68	1	1	1	5	7	9
44+0850E	0.5	23700	1	9	70	3.5	3	500	2.1	5	13	36590	600	16	3090	559	4	80	7	690	30	3	14	1	1	19.4	65	1	1	1	4	3	12
44+0900E	0.6	31140	1	14	86	4.2	3	500	3.1	6	18	61880	810	28	5290	196	5	80	9	750	30	1	17	1	1	35.7	111	1	1	1	6	6	22
44+0950E	0.4	24940	1	10	72	3.2	3	640	3.3	6	15	35100	570	15	2560	338	6	50	10	600	38	4	15	1	1	19.6	69	1	1	1	4	5	12
44+1000E	0.6	28320	1	12	70	2.5	3	530	2.2	6	11	66070	560	16	2610	620	4	140	5	370	22	1	15	1	1	34.2	78	1	1	1	5	5	14

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
45+0750E	0.1	17020	10	5	136	3.6	3	890	4.0	5	17	42220	1090	16	3410	287	4	60	7	250	40	8	16	1	1	41.1	72	1	1	1	5	4	7
45+0800E	0.1	13560	1	2	149	2.9	1	1160	2.3	4	16	39500	1160	11	2720	568	1	60	7	210	29	7	11	1	1	33.2	56	1	1	1	4	3	8
45+0850E	0.2	29980	8	14	227	4.4	3	1700	3.0	7	34	55930	1560	18	4470	467	2	120	12	270	33	7	22	1	1	51.9	98	1	1	1	5	6	9
45+0900E	0.4	27610	1	13	180	2.3	3	1510	1.2	7	15	64320	1180	21	2110	1074	1	240	7	880	14	1	18	1	1	28.9	145	1	1	1	5	4	6
45+0950E	0.1	20160	1	7	172	3.1	3	820	1.9	5	19	35420	1110	14	3090	442	3	80	8	290	34	8	12	1	1	21.8	105	1	1	1	4	3	7
45+1000E	0.3	32820	1	15	191	3.1	3	1130	1.9	7	16	60920	1320	24	2160	1239	1	170	8	1290	24	2	14	1	1	24.7	128	1	1	1	5	4	7
45+1050E	0.1	14320	1	3	129	3.2	3	1090	3.6	5	25	32990	1210	14	4710	374	3	20	9	340	45	9	14	1	1	29.5	63	1	1	1	4	3	16
45+1100E	0.2	28730	1	13	276	3.0	3	1280	2.2	8	14	61810	1090	29	2740	764	1	130	8	810	24	4	20	1	1	31.7	180	1	1	1	5	5	11
45+1150E	0.1	33370	1	17	250	3.0	4	1260	2.4	7	25	65410	1240	27	3160	599	2	160	12	670	20	3	18	1	1	33.8	124	1	1	1	6	5	10
45+1200E	0.5	29000	1	12	165	2.3	4	2610	1.6	8	23	78070	890	26	5420	605	1	150	9	220	16	1	17	1	1	43.0	100	1	1	1	5	4	16
45+1250E	0.4	36920	12	21	200	3.7	4	3200	3.4	12	43	82960	940	31	11100	430	1	120	20	450	20	4	27	1	1	58.4	111	1	1	1	6	8	41
45+1300E	0.2	24790	1	11	159	2.4	3	1910	3.4	6	13	56910	1030	21	3670	376	1	110	8	530	19	4	17	1	1	33.1	87	1	1	1	4	4	14
45+1350E	0.1	22430	1	8	175	2.6	3	1220	1.3	6	21	42150	1410	19	4370	343	4	80	11	300	24	5	13	1	1	25.0	94	1	1	1	4	5	12
45+1400E	0.4	28530	1	12	235	2.4	3	1920	1.3	6	16	55720	1560	22	3280	599	1	170	12	340	20	2	17	1	1	23.1	103	1	1	1	4	4	9
45+1450E	0.4	28570	10	13	206	4.2	3	1720	3.2	11	42	46910	1540	26	5060	1327	7	100	15	520	68	9	24	1	1	37.0	115	1	1	1	5	6	18
45+1500E	0.3	22500	1	8	236	2.5	4	1120	2.4	6	13	37260	910	19	3140	1441	4	90	17	670	45	3	17	1	1	21.2	176	1	1	1	4	4	12
45+1550E	0.1	16910	1	4	169	2.5	2	880	2.3	6	8	35920	660	13	1850	696	2	70	7	1360	28	2	13	1	1	19.9	109	1	1	1	4	2	8
45+1600E	0.3	19350	1	7	231	2.6	3	1880	3.4	6	12	48090	1080	19	3090	1305	3	110	10	1360	36	1	27	1	1	22.4	123	1	1	1	4	3	10
45+1650E	0.4	26430	1	12	194	3.0	4	1110	2.5	7	21	45520	1190	19	3610	186	4	90	18	970	36	2	19	1	1	22.3	148	1	1	1	5	4	11
45+1700E	0.4	39390	1	21	206	4.0	6	1550	2.9	10	34	64660	1730	27	4480	279	6	110	18	850	72	1	29	1	1	27.1	138	1	1	1	6	8	18
45+0050W	0.4	21190	1	7	180	2.6	2	640	3.2	6	17	52120	820	16	2720	1342	2	110	10	960	12	1	12	1	1	16.9	57	1	1	1	3	2	6
45+0100W	0.2	11150	1	2	82	3.3	1	2200	2.5	4	25	26440	830	15	2670	216	3	60	13	310	33	6	17	1	1	16.1	21	1	1	1	4	1	30
45+0150W	0.3	14830	1	5	204	2.4	1	870	1.0	6	12	40050	960	18	2660	1061	2	100	12	160	21	3	15	1	1	19.1	40	1	1	1	3	2	8
45+0200W	0.4	27070	1	12	106	3.9	3	410	1.7	10	32	46860	850	15	2560	234	5	90	12	300	32	3	13	1	1	15.9	69	1	1	1	4	4	9
45+0250W	0.3	15410	1	3	175	2.7	1	550	1.9	5	15	31000	680	10	2390	1656	3	40	8	370	20	4	10	1	1	14.0	51	1	1	1	3	1	8
45+0300W	0.6	23570	1	10	172	4.0	3	1510	3.5	10	16	58990	920	18	3100	1408	4	80	10	1540	30	2	18	1	1	20.2	71	1	1	1	5	4	10
45+0350W	0.1	8680	1	1	53	2.2	2	150	1.9	3	9	21530	400	6	2350	307	1	30	5	410	25	7	10	1	1	11.1	34	1	1	1	3	1	6
45+0400W	0.1	12410	1	1	90	3.4	2	630	2.4	5	10	27730	520	11	4170	213	3	30	5	340	29	7	13	1	1	13.5	35	1	1	1	4	2	8
45+0450W	0.1	4580	1	1	114	1.5	2	3840	2.5	3	18	36600	730	2	1230	410	1	80	4	200	6	4	16	1	1	24.6	28	1	1	1	3	1	13
45+0500W	0.4	18450	3	1	91	3.9	4	3680	1.7	4	23	52770	610	12	2100	166	3	80	5	460	25	5	22	1	1	17.4	37	1	1	1	6	4	7
45+0600W	0.7	32360	1	9	82	3.8	4	1820	3.2	10	23	58630	710	18	2630	407	4	110	8	400	46	3	30	1	1	19.5	100	1	1	1	6	6	12
45+0650W	0.2	24120	1	2	202	2.5	3	1460	2.1	6	12	59380	670	16	2210	1100	1	130	4	1220	14	1	17	1	1	19.2	98	1	1	1	4	4	6
45+0700W	0.4	31190	1	5	150	2.7	3	720	2.2	6	18	60500	740	17	2480	598	2	110	7	740	25	1	14	1	1	19.5	74	1	1	1	5	4	6
45+0750W	0.4	30130	1	7	122	2.9	4	560	3.1	6	17	54420	810	18	1990	204	3	110	6	360	33	1	15	1	1	17.2	84	1	1	1	5	5	5
45+0800W	0.4	29100	1	6	111	3.0	4	360	2.0	6	13	49160	590	19	1950	218	4	90	6	270	33	3	15	1	1	20.3	75	1	1	1	5	5	7
45+0850W	0.4	22940	1	1	96	2.3	3	300	2.4	5	14	44350	620	15	1550	615	2	90	4	330	29	2	10	1	1	19.5	62	1	1	1	4	4	6
45+0900W	0.5	41680	1	11	105	1.4	3	390	0.9	6	21	68100	420	13	1420	413	1	170	1	500	18	1	9	1	1	20.1	71	1	1	1	4	5	6

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
46+0050E	0.1	22200	1	8	121	2.0	2	840	3.3	5	13	48630	910	19	1760	910	1	120	6	310	20	5	11	1	1	18.5	41	1	1	1	4	2	7
46+0100E	0.1	22310	1	7	179	1.8	2	720	2.9	5	14	56560	860	17	1590	1331	1	130	5	330	23	2	8	1	1	20.6	58	1	1	1	4	2	5
46+0150E	0.1	26990	1	12	148	3.4	3	650	3.6	7	18	53890	1090	18	2330	914	1	110	7	340	22	7	14	1	1	21.5	59	1	1	1	5	4	9
46+0200E	0.1	20640	1	6	88	3.0	3	410	4.1	6	21	46770	810	13	3260	484	2	50	8	580	32	5	12	1	1	16.5	61	1	1	1	5	4	9
46+0250E	0.1	19150	1	6	146	2.2	3	750	2.7	5	13	43810	850	15	2030	536	1	100	6	290	21	4	13	1	1	19.8	83	1	1	1	4	4	7
46+0300E	0.1	20700	1	7	191	2.2	3	920	2.5	6	13	41270	930	18	2310	1113	1	80	9	300	32	5	14	1	1	18.7	185	1	1	1	5	4	8
46+0350E	0.1	22080	1	8	113	2.9	3	810	3.7	7	17	44080	730	13	2550	434	3	70	10	400	31	6	14	1	1	16.7	107	1	1	1	5	3	7
46+0400E	0.5	23400	2	2	121	2.0	3	820	1.5	6	21	45110	820	11	2600	398	2	90	10	370	24	2	19	1	1	18.3	99	1	1	1	3	6	6
46+0450E	0.3	29680	1	12	159	3.7	3	840	3.0	8	32	48460	930	16	2730	325	5	100	17	390	30	5	18	1	1	24.1	132	1	1	1	6	6	8
46+0500E	0.1	26190	1	13	143	2.9	3	960	3.4	8	21	50430	1040	19	3250	592	3	100	19	580	25	5	19	1	1	27.7	165	1	1	1	6	5	8
46+0550E	0.3	38000	1	17	186	4.3	2	990	3.0	8	39	63870	1340	25	4410	1385	4	120	25	630	29	3	21	1	1	37.6	155	1	1	1	7	6	11
46+0600E	0.2	19390	1	6	225	2.6	2	1190	2.5	6	15	45780	1060	15	2630	1819	1	120	10	280	22	3	14	1	1	27.1	130	1	1	1	4	3	8
46+0650E	0.1	13390	1	3	94	2.3	3	740	1.6	6	13	53590	770	13	2320	572	1	110	5	300	24	4	13	1	1	34.4	58	1	1	1	5	2	7
46+0700E	0.6	33800	1	17	237	4.3	3	780	2.2	9	33	64580	1070	19	2770	943	2	160	12	390	38	4	18	1	1	37.7	133	1	1	1	6	6	9
46+0750E	0.1	13260	1	2	102	3.3	1	790	3.2	4	16	35180	570	10	2640	232	3	60	6	260	38	7	12	1	1	35.7	52	1	1	1	4	3	8
46+0800E	0.3	22950	1	6	198	2.5	2	740	2.2	5	16	51200	610	13	2220	686	1	100	6	570	20	3	11	1	1	22.9	84	1	1	1	5	3	6
46+0850E	0.1	22720	1	8	165	3.1	3	1060	1.8	5	20	41930	870	13	2310	696	5	70	9	670	34	7	17	1	1	25.7	79	1	1	1	5	4	8
46+0900E	0.1	14990	1	4	196	2.5	1	880	2.6	5	11	30280	730	11	2450	776	4	50	8	350	41	7	12	1	1	21.2	85	1	1	1	5	2	9
46+0950E	0.3	23040	1	8	181	3.2	3	1380	3.2	6	23	54330	1340	21	3170	523	1	150	9	280	27	4	17	1	1	29.7	112	1	1	1	4	5	10
46+1000E	0.4	35910	1	15	247	2.4	2	2120	2.5	6	18	75250	930	21	3060	1671	1	210	8	880	12	1	19	1	1	29.7	133	1	1	1	4	5	8
46+1050E	0.8	40970	1	20	249	3.5	4	1600	1.8	7	32	76860	1170	22	3660	641	1	230	17	490	16	1	23	1	1	31.6	184	1	1	1	5	8	10
46+1100E	0.2	40260	1	21	167	3.0	5	2470	2.3	8	32	87380	1000	26	5190	772	1	220	8	1080	17	1	26	1	1	44.0	100	1	1	1	6	8	15
46+1150E	0.4	38380	1	19	186	2.9	5	1930	1.2	9	32	81960	890	23	4230	781	1	250	6	900	11	1	23	1	1	34.4	130	1	1	1	5	6	12
46+1200E	0.6	35720	1	15	167	2.4	2	1620	2.1	8	26	75420	1040	24	4340	969	1	240	13	390	10	1	17	1	1	32.1	79	1	1	1	5	5	14
46+1250E	0.1	26610	1	9	267	2.4	1	840	2.2	5	18	40600	1640	24	2840	661	3	100	11	510	32	5	13	1	1	19.8	101	1	1	1	4	4	9
46+1300E	0.1	17410	1	5	112	3.2	3	920	2.0	5	24	35450	1400	18	4240	375	4	70	9	220	37	7	13	1	1	23.8	63	1	1	1	4	3	14
46+1350E	0.1	26270	1	11	283	3.1	3	1320	2.4	7	17	44020	1230	24	3370	770	3	130	14	600	39	6	19	1	1	22.8	159	1	1	1	5	4	10
46+1400E	0.2	39360	2	19	241	4.2	3	1330	2.2	9	42	67980	1520	32	4320	691	2	170	21	1000	30	3	22	1	1	30.2	170	1	1	1	6	8	13
46+1450E	0.5	40960	1	19	297	3.8	2	1530	3.6	9	42	79320	1570	26	3920	1337	1	220	20	900	23	1	20	1	1	30.2	173	1	1	1	5	5	12
46+1500E	0.6	38610	1	19	232	2.0	4	1250	2.6	8	21	81180	990	24	2670	438	1	270	8	1220	18	1	20	1	1	24.7	176	1	1	1	5	7	5
46+1550E	0.1	20320	1	8	205	2.4	3	1810	1.6	9	21	58090	1880	23	2890	1611	1	140	10	880	37	4	21	1	1	25.2	166	1	1	1	4	5	9
46+1600E	0.3	34160	10	19	138	4.7	5	900	1.8	13	36	71890	2050	29	4740	538	3	80	17	770	42	5	22	1	1	30.0	163	1	1	1	6	7	13
46+1650E	0.4	36190	4	17	151	4.1	4	2100	2.6	15	39	74860	2130	28	4960	1110	1	100	18	1240	61	2	25	1	1	31.0	137	1	1	1	6	6	18
46+0000W	0.1	9830	1	1	133	2.2	3	1180	.6	3	8	35590	610	6	2030	1152	1	60	8	310	12	1	18	1	1	16.9	28	1	1	1	5	2	4
46+0050W	0.3	23670	1	5	105	3.1	3	1090	1.9	4	18	46580	680	6	2300	221	2	80	11	2220	19	2	12	1	1	15.2	27	1	1	1	6	2	5
46+0100W	0.1	19920	1	3	196	3.5	3	950	1.6	6	25	33720	790	10	2140	888	3	80	14	400	25	3	20	1	1	23.6	33	1	1	1	7	2	8
46+0150W	0.1	24010	1	6	193	3.4	4	1000	2.1	8	23	52950	810	12	2880	1079	3	90	16	950	27	3	12	1	1	18.9	62	1	1	1	7	2	5
46+0200W	0.1	20380	1	3	211	3.0	4	1000	1.7	7	24	45850	760	9	2610	1225	2	80	11	480	23	1	15	1	1	16.8	38	1	1	1	7	1	4
46+0250W	0.1	18090	1	1	152	3.3	3	670	1.5	6	13	39840	750	10	2740	566	3	60	11	350	23	2	14	1	1	20.8	35	1	1	1	7	2	6
46+0300W	0.2	24010	1	4	129	3.5	4	490	2.1	6	13	41520	620	9	2760	321	3	70	9	390	25	2	10	1	1	18.6	40	1	1	1	7	2	5
46+0350W	0.4	34020	1	12	124	4.5	4	910	2.0	16	19	46780	720	15	3490	751	3	80	16	440	35	4	17	1	1	19.4	52	1	1	1	8	1	6
46+0400W	0.3	23480	1	7	145	3.3	4	1000	1.9	6	11	46230	680	10	2950	963	3	80	11	470	32	2	15	1	1	21.4	64	1	1	1	8	2	5
46+0450W	0.5	27100	1	7	114	3.4	4	380	1.7	5	14	39140	560	7	3670	226	3	70	10	390	26	3	11	1	1	16.4	37	1	1	1	8	2	5
46+0500W	0.2	9550	1	1	89	3.3	3	1510	1.1	4	13	24770	830	1	2700	222	3	40	7	430	26	2	16	1	1	19.7	24	1	1	1	7	3	8
46+0550W	0.1	14240	7	1	429	4.3	4	2450	2.4	7	11	39350	800	5	2610	4714	4	70	15	430	34	4	35	1	1	17.3	43	1	1	1	8	3	8
46+0600W	0.1	26010	1	6	228	4.5	3	650	1.9	8	10	39740	920	14	2080	821	4	110	13	1150	29	4	13	1	1	20.5	93	1	1	1	9	3	7
46+0650W	0.8	38900	1	16	142	2.7	5	1100	1.4	5	18	60880	650	10	1910	534	2	140	11	1590	21	3	8	1	1	18.0	91	1	1	1	8	2	4
46+0700W	0.6	37070	1	15	128	2.8	4	660	1.1	6	19	64980	770	11	2570	586	1	150	10	1180	27	3	6	1	1	20.7	75	1	1	1	8	1	4
46+0750W	0.5	40840	1	17	84	1.7	4	680	1.8	5	17	83210	400	8	1780	531	1	210	9	890	20	2	8	1	1	24.2	56	1	1	1	7	1	1
46+0800W	0.5	44400	1	20	130	3.5	5	660	1.6	6	15	62500	550	12	1960	436	3	140	11	760	37	5	11	1	1	18.2	72	1	1	1	9	1	5
46+0850W	1.0	41730	1	18	97	2.4	5	650	1.5	5	16	67200	470	10	2010	1231	2	150	11	640	22	4	8	1	1	19.5	54	1	1	1	8	1	5

Table 5.1. (Continued) Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
47+0000E	0.5	33420	1	14	141	3.0	6	1040	2.9	6	24	80170	880	19	3500	637	2	160	14	540	26	3	14	1	1	26.5	55	1	1	1	8	2	5
47+0050E	0.2	19180	1	1	155	2.6	5	730	2.2	5	16	57400	770	15	2810	1473	2	80	11	290	28	2	13	1	1	24.4	43	1	1	1	8	3	6
47+0100E	0.4	37680	1	14	110	2.0	6	800	1.8	5	15	78830	700	16	2310	703	1	170	11	710	18	3	10	1	1	21.8	49	1	1	1	7	1	1
47+0150E	0.1	37150	1	14	102	2.4	5	590	2.5	5	16	67220	760	15	2460	1580	3	120	12	750	25	3	8	1	1	19.8	64	1	1	1	8	3	3
47+0200E	0.5	31930	1	10	130	2.9	5	560	2.0	7	22	58680	670	12	2580	590	3	90	12	500	25	3	9	1	1	20.2	55	1	1	1	8	2	5
47+0250E	0.5	26930	1	7	135	2.9	5	800	2.6	6	16	63000	840	16	2530	956	3	120	15	460	31	3	13	1	1	24.0	91	1	1	1	8	2	8
47+0300E	0.4	20070	13	1	74	3.9	5	450	2.8	6	47	45160	680	9	2470	543	4	70	22	410	150	4	17	1	1	21.9	127	1	1	1	9	3	13
47+0350E	0.2	22970	1	4	139	2.1	5	670	2.2	6	15	48530	760	12	2100	908	2	100	12	270	34	2	12	1	1	18.6	126	1	1	1	6	2	4
47+0400E	0.6	16370	1	1	88	3.1	5	380	2.6	4	12	41870	770	13	2220	147	3	60	9	420	40	3	11	1	1	18.9	74	1	1	1	8	3	6
47+0450E	0.2	18810	1	6	144	2.1	3	1370	2.4	4	12	45940	590	13	2290	1018	3	80	11	420	33	2	17	1	1	19.9	107	1	1	1	6	2	5
47+0500E	0.1	15660	1	3	259	2.9	5	920	3.0	5	13	40970	570	9	3130	2241	3	70	15	510	38	2	16	1	1	26.3	118	1	1	1	8	3	4
47+0550E	0.6	37220	1	18	134	2.6	5	1420	2.4	6	16	69040	600	16	2940	693	2	150	20	780	33	4	21	1	1	25.0	135	1	1	1	8	2	2
47+0600E	0.3	23590	1	6	213	4.1	4	620	2.3	8	19	47450	690	18	2870	983	4	80	17	650	45	4	16	1	1	38.1	107	1	1	1	9	4	5
47+0650E	0.2	17310	1	2	159	3.3	4	940	2.3	5	22	54010	800	11	2550	740	2	90	13	750	33	3	21	1	1	42.2	71	1	1	1	7	3	4
47+0700E	0.2	27740	1	9	244	2.5	4	1430	2.6	5	16	53840	930	12	2640	1683	2	130	17	840	31	3	19	1	1	23.6	89	1	1	1	7	2	3
47+0750E	0.5	11770	13	1	92	4.6	6	900	3.2	6	47	47010	840	4	3160	204	3	30	12	210	40	5	19	1	3	61.1	39	1	1	1	9	4	2
47+0800E	0.8	38110	1	17	190	3.8	5	990	2.6	8	24	61580	820	17	2740	279	2	120	19	460	40	5	15	1	1	31.0	81	1	1	1	9	2	5
47+0850E	0.6	17410	1	1	129	2.9	3	850	2.2	5	20	38910	930	17	2970	509	2	90	13	370	34	3	17	1	1	26.6	67	1	1	1	7	2	9
47+0900E	0.2	8670	1	1	55	2.0	3	630	1.0	2	11	27240	520	3	2270	71	2	30	8	160	20	1	14	1	1	28.8	38	1	1	1	5	2	5
47+0950E	0.5	17690	1	1	143	3.3	4	800	1.7	5	18	35150	1000	15	2930	307	3	80	13	290	37	3	17	1	1	24.5	88	1	1	1	7	2	8
47+1000E	0.8	52850	1	30	292	6.8	8	1390	4.8	9	52	95270	2240	31	4240	1028	5	180	29	850	6710	21	1	1	1	42.6	183	1	1	1	15	4	12
47+1050E	0.4	26270	1	10	281	3.0	5	1450	2.4	5	19	61560	900	20	3900	1097	2	120	15	1030	34	3	19	1	1	28.9	140	1	1	1	7	2	10
47+1100E	0.5	30920	1	12	142	3.6	5	1100	3.1	6	17	66020	910	23	3400	448	3	100	14	1660	41	5	12	1	1	35.0	112	1	1	1	11	3	11
47+1150E	0.4	27060	1	11	193	3.7	5	2480	3.5	7	32	59970	780	17	7910	711	3	60	17	780	45	5	21	1	1	47.0	74	1	1	1	10	5	25
47+1200E	0.4	19120	1	4	57	3.7	5	2070	2.9	7	50	59930	530	14	9560	298	3	30	17	180	44	5	22	1	1	57.7	46	1	1	1	10	4	28
47+1250E	0.6	33940	1	15	197	3.3	5	2180	2.7	9	22	74670	700	23	5580	463	3	120	21	460	32	5	22	1	1	34.0	89	1	1	1	8	2	20
47+1300E	0.7	28450	1	11	131	3.2	5	1100	2.0	7	25	53630	940	21	3350	292	3	110	21	440	37	4	15	1	1	24.7	85	1	1	1	8	3	11
47+1350E	0.5	23220	1	5	114	3.0	4	870	2.5	6	25	45520	780	13	3830	464	3	70	16	420	37	4	14	1	1	24.6	83	1	1	1	6	2	12
47+1400E	0.9	38340	1	18	154	3.1	5	1030	2.2	7	16	55170	840	19	2660	388	4	110	29	730	37	4	15	1	1	19.5	116	1	1	1	9	2	7
47+1450E	0.2	40920	1	21	226	6.1	7	1500	3.7	14	82	74930	1750	25	5070	3390	5	130	28	610	95	8	24	1	1	39.0	120	1	1	1	13	4	20
47+1500E	0.0	36950	1	19	293	4.0	6	1540	3.1	8	43	73030	1370	24	3880	770	3	150	32	1020	61	6	18	1	1	29.6	197	1	1	1	10	3	11
47+1550E	0.5	27280	1	11	234	2.6	4	1780	3.0	7	16	66320	1080	23	3000	1106	1	140	19	1570	35	3	21	1	1	24.7	173	1	1	1	7	2	6
47+1600E	0.8	36600	1	18	178	3.1	5	1040	2.1	6	23	68340	880	17	3120	182	2	170	21	840	34	4	16	1	1	21.3	119	1	1	1	8	2	4
47+1650E	0.5	44260	1	24	280	4.0	5	2000	3.2	8	33	79320	1090	25	3370	574	2	190	49	1290	50	6	23	1	1	23.1	258	1	1	1	8	2	6
47+1700E	0.4	33360	1	17	282	4.8	7	2450	3.9	11	37	86600	2300	24	6050	1886	3	80	34	1140	90	7	31	1	1	43.7	167	1	1	1	11	4	35
47+0000W	0.6	20240	1	2	93	3.6	4	310	1.6	4	9	40650	620	12	2220	549	4	50	9	480	33	4	13	1	1	24.2	65	1	1	1	9	3	10
47+0050W	0.1	13530	1	1	248	2.4	4	1260	1.5	5	10	41330	690	7	1630	2637	3	90	9	850	28	2	19	1	1	24.0	52	1	1	1	7	2	6
47+0100W	0.1	23240	1	5	211	2.6	4	1190	1.3	6	33	48870	840	9	2140	1586	2	110	13	420	18	2	22	1	1	18.4	41	1	1	1	6	2	5
47+0150W	0.4	23990	1	4	169	3.4	4	570	1.6	6	28	44410	820	11	2550	672	3	80	13	590	23	4	11	1	1	20.0	35	1	1	1	7	2	7
47+0200W	0.5	24010	1	5	145	3.5	5	660	1.6	7	29	42800	670	9	2920	419	3	70	14	540	27	4	14	1	1	17.8	41	1	1	1	9	2	7
47+0250W	0.2	27960	1	9	120	3.5	3	990	3.1	10	17	47340	390	11	2350	393	3	40	11	490	25	1	14	1	1	15.6	38	1	1	1	9	1	3
47+0300W	0.1	15130	1	1	129	4.5	4	850	2.9	15	13	32750	590	16	3320	621	3	40	13	360	42	1	23	1	1	18.0	46	1	1	1	9	2	6
47+0350W	0.1	11920	1	1	58	2.8	3	280	2.4	5	6	27120	510	10	2260	338	2	30	7	280	25	1	13	1	1	19.9	35	1	1	1	7	2	5
47+0400W	0.1	18780	1	3	158	3.1	3	1120	2.6	4	11	38600	790	10	3050	1130	2	70	9	580	28	1	16	1	1	17.3	44	1	1	1	6	1	3
47+0450W	0.5	32960	1	13	134	3.6	4	600	3.5	6	15	53810	840	16	4290	210	3	100	12	660	16	1	9	1	1	19.1	37	1	1	1	9	1	4
47+0500W	0.1	18190	1	2	147	4.0	4	570	2.9	5	11	31550	1000	18	2770	548	3	70	11	1030	27	2	14	1	1	16.3	37	1	1	1	8	2	6
47+0550W	0.2	11140	19	1	78	4.8	5	410	3.1	4	10	34690	790	7	2250	168	4	50	13	510	27	3	21	1	1	16.4	35	1	1	1	11	3	7
47+0600W	0.1	19130	1	3	238	3.0	3	760	2.1	5	11	36020	1100	12	2440	948	2	90	13	330	24	1	18	1	1	16.7	58	1	1	1	7	1	5
47+0650W	0.2	22690	1	5	160	3.2	4	590	2.4	7	12	46640	760	14	2210	764	2	100	11	1170	30	1	10	1	1	17.1	71	1	1	1	8	1	5
47+0700W	0.4	20470	1	4	107	3.8	4	610	2.6	6	31	38880	960	12	2370	805	3	70	15	400	41	2	18	1	1	15.7	64	1	1	1	9	2	8
47+0750W	0.2	19590	1	2	129	2.7	3	580	2.7	5	16	42400	740	12	2220	1014	2	70	10	320	23	1	13	1	1	17.6	51	1	1	1	7	1	4
47+0800W	0.1	22070	1	6	136	3.3	4	1150	1.9	5	18	45140	990	15	2440	662	2	90	11	310	25	1	20	1	1	18.9	67	1	1	1	8	2	5

Table 5.1. Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
48+0200W	0.2	26910	1	5	80	3.4	3	410	3.8	6	18	49610	710	13	1630	1210	2	100	7	1250	33	3	13	1	1	16.2	58	1	1	1	5	3	6
48+0250W	0.3	29260	1	7	98	3.7	3	410	2.0	8	22	52910	700	20	2670	564	4	80	8	510	30	3	16	1	1	23.8	59	1	1	1	5	5	8
48+0300W	0.3	25000	1	3	79	2.3	3	550	1.7	6	12	60500	490	15	1900	570	1	120	1	420	15	1	14	1	1	23.3	51	1	1	1	5	3	7
48+0350W	0.5	40030	1	13	66	2.9	5	370	2.1	6	14	74890	750	15	1740	465	2	190	1	1250	12	1	15	1	1	27.8	70	1	1	1	6	6	8
48+0400W	0.3	32050	1	8	101	2.4	2	550	3.3	6	13	65200	590	17	2130	1820	2	110	4	830	19	1	12	1	1	24.5	73	1	1	1	5	5	8
48+0450W	0.4	32220	1	7	105	2.3	3	620	1.1	5	14	64520	640	16	2200	261	1	130	2	400	11	1	14	1	1	25.1	48	1	1	1	5	5	7
48+0500W	0.3	23780	1	3	125	2.9	3	2420	3.7	7	17	48320	690	17	2190	497	2	100	6	460	19	2	16	1	1	22.1	71	1	1	1	5	4	7
48+0550W	0.3	22380	1	3	112	3.3	3	860	2.7	10	10	50870	670	18	2510	1055	4	100	7	420	27	3	14	1	1	21.8	70	1	1	1	5	3	7
48+0600W	0.4	34830	1	8	106	3.2	3	410	1.6	9	13	56310	560	18	2360	252	3	140	8	370	13	1	14	1	1	17.4	62	1	1	1	5	4	6
48+0650W	0.1	5780	1	1	47	2.5	2	310	2.3	5	9	20220	680	3	1740	182	2	20	6	240	25	8	11	1	1	7.0	23	1	1	1	3	1	7
48+0700W	0.2	26790	1	5	218	3.5	3	490	1.9	9	13	45170	1140	16	2100	1491	2	130	15	420	26	3	14	1	1	17.9	83	1	1	1	4	4	7
48+0750W	0.3	26090	1	5	132	2.9	3	420	2.5	6	15	40850	730	13	2190	457	3	90	12	600	30	4	14	1	1	14.1	89	1	1	1	4	4	8
48+0800W	0.4	18710	1	1	160	2.6	1	520	2.3	5	11	35810	910	15	1710	933	3	70	8	410	27	4	14	1	1	15.2	63	1	1	1	4	2	8
48+0850W	0.4	27330	1	4	135	2.6	3	1040	3.0	7	16	49940	940	16	2130	1382	2	90	9	390	35	1	16	1	1	16.8	90	1	1	1	4	4	8
48+0900W	0.3	24660	1	3	136	3.0	3	460	2.2	6	20	40190	740	14	1600	310	3	100	8	350	34	3	12	1	1	14.4	67	1	1	1	4	3	6
48+0950W	0.4	27450	1	5	115	1.5	3	520	1.2	5	11	57960	580	15	1580	786	1	130	5	570	17	1	11	1	1	19.5	90	1	1	1	4	4	6
48+1000W	0.4	28710	1	4	97	1.9	2	580	2.2	5	10	63420	510	15	1800	1054	1	120	4	540	14	1	11	1	1	26.3	74	1	1	1	4	3	9

Table 5.1. Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
49+0000E	0.3	35980	1	16	116	3.5	5	420	2.4	6	32	67290	760	18	2240	1882	3	110	18	550	34	5	10	1	1	21.2	53	1	1	1	10	2	5
49+0050E	0.8	41660	1	20	112	2.2	5	520	1.9	6	29	83510	630	16	2230	654	1	160	14	550	23	4	7	1	1	23.9	47	1	1	1	8	1	1
49+0100E	0.3	48180	1	28	62	1.7	5	780	2.0	4	18	72370	360	13	1660	766	2	140	8	690	20	3	5	1	1	17.1	49	1	1	1	6	2	1
49+0150E	0.3	19150	1	6	54	2.8	4	370	2.5	3	14	35640	480	12	2940	251	3	60	8	450	23	2	10	1	1	14.4	39	1	1	1	6	3	7
49+0200E	0.1	21910	1	7	139	2.2	4	650	2.8	5	16	54450	790	18	2790	2187	2	90	9	420	26	1	12	1	1	19.7	61	1	1	1	6	2	6
49+0250E	0.5	52000	1	30	124	2.2	6	680	2.6	6	26	91030	590	17	2120	1361	1	230	12	660	24	4	7	1	1	22.6	56	1	1	1	8	1	1
49+0300E	0.5	34880	1	15	127	2.2	5	730	2.3	7	22	67530	610	14	2050	725	1	200	11	440	19	2	12	1	1	17.9	86	1	1	1	6	2	1
49+0350E	0.1	20130	1	5	100	3.2	4	380	2.6	5	12	43690	620	11	2450	1036	3	90	11	350	34	2	12	1	1	18.6	82	1	1	1	7	3	4
49+0400E	0.6	32580	1	15	130	3.4	6	540	3.2	8	17	66840	830	20	2920	425	3	110	13	380	42	4	12	1	1	24.1	134	1	1	1	9	3	6
49+0450E	0.4	27330	1	12	111	3.6	5	450	2.8	11	25	48000	930	16	2980	669	3	100	16	330	48	4	14	1	1	18.7	149	1	1	1	9	3	7
49+0500E	0.4	16200	1	2	126	2.5	4	1110	2.4	5	16	54350	830	10	2430	809	1	120	11	400	30	1	22	1	1	23.3	82	1	1	1	6	3	5
49+0550E	0.4	31260	1	13	145	2.7	5	1360	2.8	7	28	59700	890	13	3220	902	2	130	20	720	32	3	21	1	1	24.6	163	1	1	1	6	2	4
49+0600E	0.1	24420	1	8	103	4.1	5	660	3.5	10	41	53990	920	18	4070	2044	4	110	18	340	54	4	16	1	1	31.6	89	1	1	1	8	3	6
49+0650E	0.7	42330	1	21	128	3.2	5	870	2.1	7	35	73860	750	15	3180	621	3	190	17	560	37	4	13	1	1	26.0	107	1	1	1	9	2	2
49+0700E	0.5	33110	4	16	155	4.9	7	810	3.2	12	51	79790	1150	18	4990	1429	3	160	21	790	59	6	16	1	1	49.2	119	1	1	1	12	3	6
49+0750E	0.5	28040	1	11	143	4.9	6	900	3.5	8	46	61040	1130	19	4960	1072	4	110	18	370	57	5	20	1	1	49.4	90	1	1	1	9	4	7
49+0800E	0.4	29220	1	14	207	3.3	5	1310	2.1	6	18	61710	920	20	2710	1449	2	130	13	410	45	3	14	1	1	29.6	162	1	1	1	8	2	8
49+0850E	0.1	29820	4	15	199	5.2	6	1140	3.6	8	59	49400	1900	16	4400	2211	6	120	17	470	65	6	23	1	1	41.3	71	1	1	1	11	4	10
49+0900E	0.4	19400	1	4	166	3.3	4	870	2.5	5	17	45550	1070	15	3350	344	3	90	12	490	41	3	16	1	1	33.4	89	1	1	1	7	3	11
49+0950E	0.7	30190	1	12	159	4.1	6	1170	4.0	6	28	56110	1330	20	3690	294	4	90	16	430	52	6	18	1	1	36.0	97	1	1	1	11	3	10
49+1000E	0.7	27980	1	11	189	3.9	6	1070	2.7	7	40	70790	1510	17	3240	890	3	150	15	600	52	5	18	1	1	36.4	89	1	1	1	9	3	10
49+1050E	0.5	40590	1	23	216	5.5	7	860	3.4	8	72	65520	2230	27	4880	742	6	140	22	380	68	7	19	1	1	43.8	113	1	1	1	12	4	18
49+1100E	0.6	46580	11	27	326	8.3	8	1780	5.1	8	159	63730	2600	22	5020	3630	7	110	32	860	10310	31	1	3	40.0	109	1	1	1	14	5	22
49+1150E	0.5	20930	1	6	162	3.2	5	1480	2.3	6	22	53220	1440	17	4450	720	3	80	12	390	47	3	20	1	1	37.5	88	1	1	1	7	3	15
49+1200E	0.7	32770	6	16	147	4.9	8	2760	4.0	14	57	100530	970	31	11050	904	3	70	22	790	58	7	24	1	1	76.9	122	1	1	1	13	5	43
49+1250E	0.7	40980	1	21	184	4.4	7	1700	3.8	14	61	105980	1030	28	6310	1233	1	170	24	680	59	6	16	1	1	52.0	127	1	1	1	9	3	27
49+1300E	0.4	36520	1	18	147	4.6	6	1540	3.5	12	70	78100	1240	28	8020	975	4	140	22	300	56	6	20	1	1	50.1	80	1	1	1	11	3	32
49+1350E	0.7	37280	1	19	192	3.8	6	1390	3.4	7	52	60830	1180	23	4970	375	4	90	21	420	46	5	20	1	1	33.6	108	1	1	1	9	4	20
49+1400E	0.9	40120	1	21	235	3.8	7	1220	3.0	7	45	86750	1310	25	5170	540	3	160	22	820	52	5	16	1	1	36.4	138	1	1	1	10	3	16
49+1450E	0.2	26830	1	11	190	3.6	5	940	3.6	12	25	56200	1010	17	3960	1622	4	80	15	1070	55	4	14	1	1	27.1	115	1	1	1	8	3	10
49+1500E	0.1	15740	1	1	192	2.4	3	1320	1.6	4	13	32800	750	9	2760	1020	3	70	9	630	33	1	16	1	1	16.6	92	1	1	1	6	3	6
49+1550E	0.1	18520	1	2	264	3.2	3	840	2.5	5	13	44100	770	11	2840	754	3	40	12	1330	41	2	13	1	1	20.0	105	1	1	1	7	2	6
49+1600E	0.4	39330	1	18	256	2.9	5	1910	3.0	7	18	67680	950	18	2960	533	3	160	19	1390	34	3	21	1	1	20.7	158	1	1	1	8	2	4
49+1650E	0.2	26660	1	10	315	3.4	5	1630	3.0	8	13	55880	1280	20	4170	1070	2	90	16	750	39	3	18	1	1	26.4	126	1	1	1	9	3	9
49+1700E	0.3	30900	1	13	176	4.6	6	1700	3.6	12	33	68880	1500	21	5390	1036	4	80	24	880	72	4	16	1	1	36.3	132	1	1	1	9	4	23
49+1750E	0.1	33820	1	15	229	4.4	6	1150	3.5	12	37	69120	1450	21	4700	1858	4	100	25	1080	74	5	15	1	1	27.3	138	1	1	1	11	4	10
49+1800E	0.1	36250	8	19	285	5.8	9	1610	3.8	14	37	115260	3060	35	10660	2259	5	70	33	1040	99	7	21	1	1	55.9	171	1	1	1	13	5	58
49+1850E	0.3	37270	1	19	143	5.1	7	2420	3.9	13	59	76210	2040	29	6340	1552	4	70	31	1180	96	7	28	1	2	34.7	159	1	1	1	12	4	18
49+1900E	0.8	33400	10	17	162	5.2	9	8280	3.4	11	40	145170	3740	40	11510	1192	1	70	26	880	85	7	57	1	1	55.4	162	1	1	1	13	3	24
49+0050W	0.2	40920	1	19	125	2.6	4	530	2.7	6	33	73920	500	19	2450	1294	2	140	16	550	18	1	5	1	1	23.7	49	1	1	1	8	1	2
49+0050W	0.3	29130	1	11	132	3.9	5	670	2.8	6	30	71560	880	18	3320	1145	2	90	13	640	23	2	10	1	1	28.4	54	1	1	1	8	1	5
49+0100W	0.4	35420	1	15	98	3.2	4	460	2.6	6	25	54380	610	15	3120	289	3	90	11	450	15	1	7	1	1	20.5	37	1	1	1	8	1	4
49+0150W	0.4	30520	1	11	135	2.7	4	550	2.3	6	16	55870	550	14	2640	415	2	100	9	490	21	1	9	1	1	20.9	43	1	1	1	7	1	4
49+0200W	0.4	30580	1	11	121	4.0	5	430	3.3	7	29	56120	730	21	5030	548	3	90	14	520	25	3	10	1	1	33.1	42	1	1	1	10	2	5
49+0250W	0.4	23380	1	8	96	4.5	6	410	3.2	5	10	75290	750	22	4190	158	4	70	10	480	28	3	11	1	1	35.7	42	1	1	1	11	3	5
49+0300W	0.1	33320	1	13	102	2.5	3	620	2.4	6	15	62880	560	14	2480	926	2	100	10	680	18	1	7	1	1	21.7	58	1	1	1	7	1	3
49+0350W	0.7	33760	1	14	98	3.2	5	1020	3.1	6	12	68440	690	18	3030	246	2	130	11	830	19	2	11	1	1	23.0	41	1	1	1	8	1	3
49+0400W	0.8	18910	1	2	49	3.7	4	590	2.6	5	16	38470	810	8	3560	123	3	60	16	400	26	3	20	1	2	15.4	37	1	1	1	8	2	5
49+0450W	0.3	15160	1	1	69	3.0	2	710	2.2	5	13	24960	620	6	1850	321	2	50	10	400	19	1	16	1	1	9.6	43	1	1	1	6	2	4
49+0500W	0.1	17110	1	2	125	2.4	3	710	2.1	5	8	38310	850	17	1670	813	2	80	9	340	27	1	15	1	1	17.3	60	1	1	1	6	2	3
49+0550W	0.6	25060	1	7	128	2.6	3	390	2.1	5	15	44100	720	11	1800	196	2	100	13	300	24	1	11	1	1	15.0	44	1	1	1	6	1	3
49+0600W	0.1	20340	1	3	170	2.5	4	740	1.6	5	9	48140	770	17	1900	1731	2	90	10	230	32	1	15	1	1	21.5	61	1	1	1	6	1	4
49+0650W	0.2	23340	1	5	136	3.0	4	720	3.0	6	15	46030	800	12	2130	582	2	90	11	400	32	1	16	1	1	16.3	56	1	1	1	6	1	3
49+0700W	0.4	27350	1	9	100	2.5	3	510	2.1	5	12	48050	590	13	1720	328	2	90	9	360	25	1	11	1	1	18.3	48	1	1	1	7	1	3
49+0750W	0.3	30990	1	11	104	3.0	4	550	2.9	7	17	45920	650	14	2460	540	2	60	13	350	33	1	10	1	1	18.0	50	1	1	1	7	1	7
49+0800W	0.3	29630	1	10	125	3.1	5	1250	2.7	7	28	82140	1040	19	4490	484	1	120	13	370	40	2	12	1	1	36.9	62	1	1	1	9	2	12

Table 5.1. Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
50+0050E	0.4	47180	1	18	66	2.1	5	730	1.3	4	28	87220	350	12	1500	499	4	180	1	670	20	1	15	1	1	28.5	56	1	1	1	5	4	3
50+0100E	0.6	51440	1	26	78	2.2	5	650	1.1	6	21	84270	430	13	2160	732	5	180	4	730	25	1	18	1	1	25.3	75	1	1	1	5	5	5
50+0150E	0.4	42700	1	13	57	1.8	5	710	1.0	5	22	69600	350	11	1580	380	3	260	3	560	20	1	14	1	1	17.9	59	1	1	1	4	4	2
50+0200E	0.2	43590	1	15	70	1.8	5	580	0.6	5	11	69400	340	11	1400	347	5	200	3	460	24	1	13	1	1	19.0	66	1	1	1	4	5	3
50+0250E	0.5	53550	1	21	111	2.5	5	670	1.0	7	18	98020	400	15	1850	831	4	250	4	720	24	1	18	1	1	25.8	74	1	1	1	6	6	4
50+0300E	0.6	37380	1	11	110	2.0	5	730	0.9	8	18	93430	580	16	1900	990	2	220	4	370	21	1	14	1	1	26.7	82	1	1	1	5	4	3
50+0350E	0.4	36890	1	16	140	2.9	5	720	1.8	8	21	79540	850	19	3140	1251	4	180	7	590	25	1	16	1	1	26.8	96	1	1	1	5	4	6
50+0400E	0.6	30360	1	9	144	2.7	5	530	1.1	7	14	61580	670	16	2600	317	4	100	5	250	29	1	14	1	1	28.8	83	1	1	1	5	4	7
50+0450E	0.4	26220	1	6	109	3.5	5	520	1.4	7	14	44920	1090	19	3230	686	5	80	9	470	34	3	14	1	1	23.2	108	1	1	1	5	4	9
50+0500E	0.6	22380	1	5	127	2.4	4	620	1.5	6	13	60960	830	16	2490	594	4	110	4	210	25	2	13	1	1	31.2	124	1	1	1	5	3	7
50+0550E	0.2	12990	1	1	61	1.8	4	1020	1.2	3	6	27020	880	23	3700	66	3	80	8	150	35	4	12	1	1	17.0	63	1	1	1	3	2	6
50+0600E	0.3	24120	1	5	200	3.5	6	1660	3.4	8	21	61170	1250	30	4840	933	6	150	13	410	31	3	18	1	1	40.4	124	1	1	1	6	4	8
50+0650E	0.1	21010	1	4	129	2.7	5	1190	1.3	7	16	59830	950	18	3260	1348	3	120	10	270	23	2	15	1	1	37.2	97	1	1	1	5	3	5
50+0700E	0.5	42460	1	18	125	3.4	6	1510	1.8	9	25	69180	1030	18	3250	478	4	160	15	740	41	1	19	1	1	30.8	128	1	1	1	6	5	6
50+0750E	0.5	22980	1	4	110	3.3	5	840	2.4	6	29	62910	810	16	2850	486	4	130	7	280	20	2	14	1	1	46.4	89	1	1	1	5	4	6
50+0800E	0.3	20090	1	2	121	3.8	6	810	2.5	6	30	40300	990	18	5750	478	7	70	11	250	45	4	15	1	1	44.6	81	1	1	1	5	4	8
50+0850E	0.5	28060	1	8	135	4.3	6	530	3.9	7	40	47180	1270	24	4670	296	6	80	14	270	53	3	16	1	1	38.7	82	1	1	1	5	5	9
50+0900E	0.8	27390	6	9	182	5.5	5	1420	3.1	7	59	50770	1600	17	4720	1636	7	120	17	450	54	4	20	1	1	39.6	95	1	1	1	7	4	14
50+0950E	0.7	27790	4	8	186	4.7	6	2870	3.3	6	64	47830	1540	26	4590	1259	6	110	16	510	60	4	22	1	1	39.5	96	1	1	1	6	5	13
50+1000E	0.3	19720	1	3	144	3.8	6	1420	2.6	7	29	39630	1170	19	4340	801	5	70	9	220	49	4	15	1	1	37.8	88	1	1	1	5	4	11
50+1050E	0.3	18900	1	2	162	3.2	4	1640	3.4	6	20	39560	1200	27	5310	471	5	70	9	170	42	4	14	1	1	34.2	104	1	1	1	5	4	13
50+1100E	0.7	32030	1	11	306	3.8	5	1330	2.4	7	21	50700	1340	22	4080	983	5	130	12	3200	41	3	19	1	1	31.9	179	1	1	1	6	6	12
50+1150E	0.9	41080	1	18	277	2.9	5	1720	2.0	7	23	82670	1180	29	3650	1144	6	180	7	2290	34	1	19	1	1	35.3	178	1	1	1	6	6	11
50+1200E	0.3	24690	1	6	158	3.3	6	1450	1.8	8	44	66520	1040	20	5590	1235	4	170	10	280	50	2	17	1	1	45.2	84	1	1	1	5	4	16
50+1250E	0.4	27900	1	9	152	2.9	5	1360	3.6	7	29	73260	950	21	5450	391	4	110	8	1850	24	1	17	1	1	42.3	104	1	1	1	6	4	17
50+1300E	0.4	25900	1	7	274	2.2	5	1760	2.0	6	11	66870	720	17	2960	1605	2	110	7	450	21	1	15	1	1	33.7	107	1	1	1	5	4	9
50+1350E	0.4	22570	1	4	157	3.1	4	1020	2.4	8	24	45180	1070	21	5620	556	5	40	14	330	47	4	15	1	1	30.3	130	1	1	1	5	4	13
50+1400E	0.8	41080	1	16	387	4.3	6	1190	2.6	8	22	58530	810	21	3990	434	6	110	13	1000	49	2	21	1	1	32.6	200	1	1	1	6	5	11
50+1450E	0.4	24820	1	27	395	3.4	6	2450	2.7	8	15	55370	1590	20	4550	3217	5	100	14	940	48	3	22	1	1	31.0	137	1	1	1	6	4	11
50+1500E	0.4	32220	1	12	347	3.4	5	1670	2.7	12	26	66320	1440	22	4140	1400	4	120	17	1540	49	2	23	1	1	26.5	172	1	1	1	6	5	9
50+1550E	0.2	27020	1	8	253	3.5	6	1570	1.1	9	18	53150	1330	19	3700	522	4	80	12	610	47	3	21	1	1	25.6	133	1	1	1	5	4	10
50+1600E	0.1	27910	1	9	518	3.2	5	2680	2.8	8	19	66660	1900	21	3340	4141	3	160	12	1070	53	1	26	1	1	29.7	204	1	1	1	5	4	10
50+1650E	0.9	43660	1	18	245	2.2	5	1860	1.0	7	18	85690	840	19	2860	442	3	280	8	1060	32	1	22	1	1	25.3	149	1	1	1	5	4	6
50+0000W	0.3	48350	1	24	110	2.5	5	600	3.0	6	27	80690	650	15	2280	411	2	200	10	770	10	1	4	1	1	22.9	34	1	1	1	7	1	1
50+0050W	0.4	29920	1	11	107	2.7	6	510	2.6	4	15	94420	700	14	2880	278	1	130	8	270	19	1	8	1	1	37.5	38	1	1	1	9	1	3
50+0100W	0.2	47290	1	22	150	2.0	4	630	3.1	5	18	86980	560	16	2110	1079	1	210	7	680	13	1	4	1	1	24.8	42	1	1	1	7	1	1
50+0150W	0.4	40480	1	16	213	2.4	4	790	2.4	5	33	62430	760	17	3190	230	2	200	12	480	12	1	8	1	1	22.4	77	1	1	1	7	1	4
50+0200W	0.2	30470	1	11	100	2.8	4	580	2.8	4	14	63750	690	15	3530	416	2	120	8	1230	20	1	6	1	1	23.9	45	1	1	1	8	1	4
50+0250W	0.3	53310	1	28	135	3.2	5	520	3.5	3	14	72510	470	12	2150	101	3	140	7	980	21	2	2	1	1	21.8	33	1	1	1	10	1	4
50+0300W	0.3	48880	1	24	93	2.5	5	680	2.9	5	24	69260	430	14	2250	377	2	180	7	860	12	1	5	1	1	20.2	36	1	1	1	8	1	1
50+0350W	0.5	28430	1	10	98	2.5	5	660	2.2	4	13	83710	600	11	2390	343	1	140	8	1160	21	1	6	1	1	32.4	33	1	1	1	8	1	3
50+0400W	0.3	35050	1	17	160	3.0	5	970	3.2	8	17	69420	940	15	2760	1115	3	130	12	520	36	3	13	1	1	21.8	76	1	1	1	9	1	3
50+0450W	0.5	28530	1	9	226	3.1	4	580	2.6	5	17	50550	840	14	3480	237	3	100	13	850	20	2	10	1	1	19.8	53	1	1	1	7	1	5
50+0500W	0.5	34120	1	14	182	3.0	4	600	2.3	6	17	58900	790	12	2480	207	3	140	13	420	19	2	11	1	1	17.3	59	1	1	1	8	2	3
50+0550W	0.4	31200	1	13	128	2.0	5	660	2.3	5	12	72080	790	17	2510	971	1	150	10	250	28	1	10	1	1	22.6	87	1	1	1	5	1	3
50+0600W	0.2	36370	1	16	153	2.5	5	820	2.9	6	15	81020	800	17	2510	1801	1	160	12	420	41	2	12	1	1	26.2	90	1	1	1	7	1	4
50+0650W	0.5	37390	1	19	95	3.4	5	490	2.3	6	16	60210	910	17	2380	267	3	110	13	630	31	3	9	1	1	20.9	59	1	1	1	9	1	6
50+0700W	0.4	46190	1	24	104	2.6	5	730	2.9	5	16	79260	700	19	1950	1196	2	170	8	890	25	2	5	1	1	24.1	63	1	1	1	9	1	4
50+0750W	0.7	50420	1	34	82	2.4	5	600	2.6	4	18	71180	500	11	1840	380	2	220	8	580	21	4	7	1	1	19.9	43	1	1	1	6	1	3
50+0800W	0.7	42900	1	21	66	2.1	4	910	2.2	4	30	79180	540	13	2420	290	2	250	14	430	15	2	10	1	1	21.4	54	1	1	1	6	1	4

Table 5.1. Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
BL00+50N	0.1	19400	1	5	197	2.7	3	1580	2.2	4	14	46820	1590	12	4480	257	2	110	12	350	25	2	17	1	1	23.3	78	1	1	1	7	4	9
BL01+00N	0.3	25450	1	12	227	2.6	4	2670	2.5	5	18	57490	1960	15	4460	532	2	150	16	820	26	2	23	1	1	25.5	96	1	1	1	8	2	10
BL01+50N	0.1	22980	1	6	283	2.5	2	2160	2.0	5	17	54790	1510	14	4340	510	2	120	16	530	27	2	23	1	1	26.7	85	1	1	1	7	3	6
BL02+00N	0.1	21780	1	9	439	2.9	3	2690	2.5	5	23	52400	1630	15	5000	1794	2	130	14	1530	40	2	24	1	1	27.4	130	1	1	1	8	2	9
BL02+50N	0.1	24370	1	8	214	3.1	4	1820	1.4	5	28	52430	1060	15	5770	410	3	90	13	320	40	3	17	1	1	33.0	68	1	1	1	9	2	8
BL03+00N	0.1	12960	1	1	90	2.3	3	1410	1.1	3	11	39390	1410	10	4080	229	1	70	11	150	27	2	17	1	1	22.2	84	1	1	1	6	3	7
BL03+50N	0.1	18180	1	2	229	2.1	3	1550	1.3	4	14	49820	1420	13	4410	249	1	100	14	210	25	2	19	1	1	25.8	75	1	1	1	7	2	5
BL04+00N	0.1	21470	1	4	244	2.6	2	1760	1.4	4	17	50730	1090	14	4180	426	1	120	14	1100	28	2	19	1	1	25.1	93	1	1	1	6	2	5
BL04+50N	0.1	22910	1	6	213	2.6	3	1740	2.0	4	18	49290	1140	15	4200	301	2	120	18	1450	25	2	16	1	1	25.8	95	1	1	1	6	3	3
BL05+00N	0.1	19250	1	3	239	2.1	2	1620	1.7	4	15	50770	1070	14	3890	892	2	130	18	600	24	2	21	1	1	23.9	86	1	1	1	6	3	4
BL05+50N	0.1	21730	1	4	182	2.7	4	1710	2.4	5	21	47030	1160	14	4830	633	2	110	23	470	34	3	24	1	1	28.2	149	1	1	1	8	3	9
BL06+00N	0.1	26090	1	7	204	3.7	3	1700	2.9	7	24	59430	1620	16	6020	1022	2	210	22	520	40	3	22	1	1	36.8	86	1	1	1	9	4	16
BL06+50N	0.1	22000	1	6	249	2.8	3	1570	1.4	5	18	51960	1250	14	4590	1240	2	230	16	1920	29	2	16	1	1	26.1	83	1	1	1	7	3	6
BL07+00N	0.1	30230	1	13	313	3.0	4	1970	2.5	6	20	67260	1420	17	5180	1328	2	300	21	1280	31	3	19	1	1	29.6	113	1	1	1	8	2	6
BL07+50N	0.2	34880	1	17	272	3.4	5	2270	2.6	6	25	75290	1440	20	5250	904	2	360	25	2290	32	2	22	1	1	36.2	163	1	1	1	9	4	5
BL08+00N	0.5	35270	1	18	265	3.8	4	2270	2.6	7	38	77570	1680	24	7070	642	2	310	30	530	42	3	26	1	1	45.4	203	1	1	1	10	3	7
BL08+50N	0.3	31000	1	12	226	2.8	4	1200	2.7	5	27	66160	1080	18	5410	420	2	290	16	840	30	2	14	1	1	31.5	101	1	1	1	8	3	4
BL09+00N	0.2	37000	1	16	224	2.6	3	1330	1.9	5	23	72280	820	17	3750	593	1	220	15	880	20	1	14	1	1	25.8	82	1	1	1	8	3	2
BL09+50N	0.2	35620	1	16	236	3.6	5	1430	2.4	7	22	75160	870	22	4710	396	3	170	16	1430	31	2	15	1	1	39.7	101	1	1	1	10	3	5
BL10+00N	0.2	22170	1	4	105	3.0	4	1680	1.3	5	19	53760	810	33	6210	189	2	160	12	250	24	3	18	1	1	42.1	73	1	1	1	8	3	7
BL10+50N	0.3	30830	1	14	204	3.9	6	1310	2.9	6	24	66430	1040	18	6780	309	4	130	14	520	31	3	14	1	1	51.5	71	1	1	1	11	3	5
BL11+00N	0.2	39640	1	18	117	3.8	4	900	1.9	5	23	75270	690	20	3750	164	3	180	13	610	25	1	7	1	1	41.1	69	1	1	1	11	2	3
BL11+50N	0.2	20690	1	5	210	2.0	3	1110	1.7	5	25	62690	720	12	3350	3547	1	180	12	990	24	1	11	1	1	29.5	92	1	1	1	5	3	2
BL12+00N	0.1	33470	1	13	174	2.9	4	980	2.2	6	19	71640	790	19	3060	930	1	180	13	2920	20	1	1	1	1	37.2	107	1	1	1	8	2	3
BL12+50N	0.4	50310	1	28	161	3.1	5	1190	2.3	7	26	86570	750	20	3540	567	2	230	17	800	16	1	8	1	1	33.4	98	1	1	1	11	3	1
BL13+00N	0.2	28300	1	11	231	3.4	5	1300	2.0	6	20	56700	860	19	5640	292	3	130	12	710	27	3	17	1	1	37.2	83	1	1	1	10	3	5
BL13+50N	0.2	40180	1	21	159	3.3	5	1360	3.4	6	20	78350	690	20	4740	613	2	180	13	1570	21	2	13	1	1	33.5	102	1	1	1	10	3	1
BL14+00N	0.1	27700	1	11	198	2.6	3	790	2.6	6	14	63390	520	15	2780	808	1	130	10	1440	19	1	2	1	1	32.9	69	1	1	1	10	1	2
BL14+50N	0.1	42770	1	21	201	2.3	4	1840	2.6	6	14	79980	590	20	2240	890	1	220	14	1170	14	1	9	1	1	20.3	92	1	1	1	10	1	1
BL15+00N	0.4	49720	1	28	146	2.7	4	1160	2.4	7	16	85340	570	16	2000	302	2	210	12	1210	13	1	3	1	1	21.9	81	1	1	1	11	2	1
BL15+50N	0.4	47710	1	24	198	2.6	3	1020	1.7	5	23	87200	650	20	3010	509	1	270	14	1120	12	1	2	1	1	23.2	85	1	1	1	9	1	1
BL16+00N	0.2	32780	1	14	173	3.3	3	680	3.2	6	18	63080	1160	20	4250	546	3	150	12	630	32	1	8	1	1	32.3	96	1	1	1	12	2	4
BL16+50N	0.3	38570	1	18	198	2.9	4	990	2.1	5	17	75350	640	18	2270	797	1	210	11	2200	16	1	1	1	1	25.4	119	1	1	1	11	2	1
BL17+00N	0.1	26790	1	8	149	3.4	3	800	3.5	5	15	54490	630	17	3250	378	3	120	11	790	30	1	10	1	1	38.4	80	1	1	1	10	2	5
BL17+50N	0.1	37150	1	20	224	2.8	3	1040	2.1	5	16	63620	630	18	2710	1065	2	190	13	1700	18	1	5	1	1	20.6	111	1	1	1	9	1	2
BL18+00N	0.7	59380	1	34	100	2.4	3	810	2.4	5	18	94260	320	13	1310	146	1	250	9	1060	10	1	1	1	1	19.0	67	1	1	1	11	1	1
BL18+50N	0.6	40470	1	20	182	2.5	3	720	2.0	6	21	70800	390	13	1660	269	1	170	11	460	21	1	4	1	1	22.8	85	1	1	1	10	1	1
BL19+00N	0.6	64880	1	39	67	2.6	4	480	2.8	5	20	88310	320	14	1580	356	3	190	10	1460	12	1	1	1	1	18.4	74	1	1	1	14	1	1
BL19+50N	0.1	13680	1	1	65	3.1	3	330	2.2	2	10	23910	700	11	4670	87	4	20	11	300	25	3	10	1	1	16.4	47	1	1	1	7	2	7
BL20+00N	0.1	52300	1	29	124	3.2	4	750	2.9	5	20	71590	460	16	2180	1219	3	200	11	1350	18	1	1	1	1	25.3	99	1	1	1	10	2	1
BL20+50N	0.1	15250	1	1	133	3.4	2	1890	3.0	5	13	35950	1000	13	5320	565	3	70	10	350	41	4	22	1	1	38.9	64	1	1	1	9	3	11
BL21+00N	0.1	21500	1	6	79	4.9	4	880	3.4	6	33	39800	1000	16	10980	256	6	190	18	250	42	5	16	1	1	62.7	58	1	1	1	11	4	20
BL21+50N	0.2	27670	1	8	124	3.7	4	690	2.6	5	22	53580	860	19	4940	254	3	210	14	460	23	2	10	1	1	53.2	76	1	1	1	9	2	5
BL22+00N	0.1	24900	1	7	187	4.1	4	970	2.7	6	22	49560	820	20	6510	485	4	80	13	330	40	3	14	1	1	50.1	100	1	1	1	11	3	6
BL22+50N	0.3	30400	1	12	151	4.8	5	1750	3.4	6	57	58980	1230	24	5160	623	4	140	24	290	55	3	21	1	1	35.3	74	1	1	1	11	3	8
BL23+00N	0.4	35320	1	17	163	5.0	4	1640	3.4	8	56	72430	1350	28	6210	533	5	190	30	260	47	3	20	1	1	40.1	101	1	1	1	12	3	10
BL23+50N	0.1	32460	1	13	159	5.1	5	2170	3.4	7	69	48580	1440	35	6070	904	5	150	31	420	89	3	21	1	1	45.9	133	1	1	1	12	4	11
BL24+00N	0.3	38840	1	23	270	2.7	4	1530	2.3	5	20	75820	980	21	2780	872	1	230	12	1140	31	1	5	1	1	24.8	139	1	1	1	9	1	1
BL24+50N	0.4	40930	1	31	262	3.3	4	990	3.2	6	18	74490	790	24	3230	1024	2	180	14	1880	26	1	3	1	1	27.3	204	1	1	1	12	2	2
BL25+00N	0.1	38870	1	28	257	2.8	4	940	2.3	5	14	70130	880	20	2780	1929	2	220	13	540	27	1	9	1	1	25.3	142	1	1	1	9	2	2
BL25+50N	0.3	35810	1	23	184	3.3	3	760	2.6	5	27	57360	800	18	3320	303	3	130	16	940	29	1	6	1	1	22.6	172	1	1	1	9	3	3

Table 5.1. Table of Soil Sample Data: ROW Grid.

Location	Ag	Al	As	B	Ba	Br	Bi	Ca	Cd	Co	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	U	V	Zn	Ga	Ge	Se	Sn	W	Cr
BL26+00N	0.3	30190	1	17	196	4.3	4	920	3.8	7	18	57710	1020	18	6700	588	4	120	17	530	42	3	15	1	1	56.6	191	1	1	1	10	4	4
BL26+50N	0.1	36030	1	22	287	2.7	4	1860	3.0	7	16	74550	830	20	3350	1729	1	240	16	1380	25	1	16	1	1	28.2	196	1	1	1	9	1	1
BL27+00N	0.3	30850	1	17	184	2.6	2	1240	2.2	7	16	69180	880	20	2630	681	1	170	13	420	19	1	13	1	1	22.6	183	1	1	1	8	1	2
BL27+50N	0.1	32060	1	17	193	3.1	3	1080	2.1	6	14	53700	700	18	3330	781	3	130	15	470	30	1	11	1	1	26.1	103	1	1	1	9	3	2
BL28+00N	0.3	30040	1	19	259	3.1	4	1360	2.9	7	1	64580	860	15	3890	1310	2	140	32	920	33	1	14	1	1	23.0	92	1	1	1	10	3	5
BL28+50N	0.4	36130	1	20	199	2.5	3	1850	2.5	8	1	77080	730	18	3380	978	1	210	28	1130	21	1	13	1	1	22.9	117	1	1	1	10	2	1
BL29+00N	0.4	32070	1	17	237	3.5	5	2990	3.5	8	1	75300	1190	21	4480	1247	2	210	27	3570	34	1	23	1	1	18.5	85	1	1	1	10	4	4
BL29+50N	0.1	20790	1	6	259	3.8	5	1240	3.3	8	1	56850	1160	16	4460	1777	3	110	28	550	46	2	24	1	1	19.2	89	1	1	1	9	3	6
BL30+00N	0.1	17210	5	3	145	4.5	6	890	4.3	6	1	48810	870	11	4250	810	4	60	20	640	65	5	20	1	1	22.0	82	1	1	1	10	4	8
BL30+50N	0.1	14350	1	1	279	2.6	4	1230	2.2	6	15	49820	1060	11	2300	2898	2	130	12	570	39	1	22	1	1	18.0	132	1	1	1	8	2	6
BL31+00N	0.5	21610	12	6	146	4.3	6	840	3.4	10	17	48380	820	15	4710	602	4	70	13	480	59	3	20	1	1	20.2	74	1	1	1	10	3	9
BL31+00N	0.5	21610	12	6	146	4.3	6	840	3.4	10	17	48380	820	15	4710	602	4	70	13	480	59	3	20	1	1	20.2	74	1	1	1	10	3	9
BL31+50N	0.1	16890	1	2	141	2.4	4	480	3.8	5	9	39580	790	8	2540	4368	3	70	10	510	40	2	12	1	1	22.7	62	1	1	1	7	2	10
BL32+00N	0.3	18960	1	4	119	2.7	4	1020	2.3	5	10	56560	800	18	3170	691	2	90	8	320	47	1	15	1	1	25.7	73	1	1	1	7	2	5
BL32+50N	2.2	43400	1	23	139	2.3	5	700	3.2	8	18	74170	550	15	1740	515	2	190	8	990	62	3	6	1	1	21.2	97	1	1	1	8	1	2
BL33+00N	1.6	33150	1	13	116	3.2	5	840	3.4	8	17	56870	850	15	4360	457	4	160	13	480	81	3	14	1	1	20.5	95	1	1	1	8	2	6
BL33+50N	3.4	33650	1	15	133	3.6	7	670	3.9	8	23	60220	790	18	3740	976	4	160	15	550	138	4	13	1	1	23.1	143	1	1	1	9	2	7
BL34+00N	1.8	31420	1	14	121	2.9	5	1150	2.8	5	22	61980	860	14	3640	621	3	170	10	820	88	3	13	1	1	22.3	89	1	1	1	8	2	6
BL34+50N	0.5	10590	8	1	78	3.4	5	270	2.4	2	17	26060	910	1	2580	84	5	40	7	370	60	3	15	1	1	12.8	43	1	1	1	7	4	8
BL35+00N	1.9	44870	1	23	100	3.1	6	840	3.2	7	28	75490	640	16	2440	166	3	190	14	550	67	3	11	1	1	22.1	88	1	1	1	9	1	4
BL35+50N	1.2	34350	4	15	129	5.5	6	630	4.9	9	59	51300	990	20	6750	283	6	60	24	430	143	6	15	1	1	29.7	156	1	1	1	11	4	14
BL36+00N	0.6	37000	1	17	148	3.0	4	650	3.0	5	19	60570	840	16	2990	859	3	170	10	790	42	3	10	1	1	21.2	130	1	1	1	9	2	5
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BL37+50N	0.8	32190	1	13	110	3.6	6	490	2.8	5	14	49040	650	15	3140	301	4	100	9	720	41	4	12	1	1	22.8	80	1	1	1	8	2	7
BL38+00N	1.1	27290	1	43	83	2.5	5	440	2.2	4	9	83340	530	14	1990	126	2	160	6	380	32	2	11	1	1	34.1	61	1	1	1	7	1	2
BL38+50N	0.3	15600	1	1	68	2.5	3	360	2.4	4	11	26630	560	8	2860	412	3	50	6	400	27	1	14	1	1	12.6	47	1	1	1	5	2	5
BL39+00N	0.5	22650	3	6	82	4.6	5	320	3.2	4	15	41560	610	14	3680	391	5	50	8	1110	39	4	12	1	1	16.4	71	1	1	1	10	3	8
BL39+50N	1.2	17400	1	1	65	1.9	4	290	2.2	2	12	53800	420	7	1410	98	1	110	5	230	30	1	12	1	1	23.2	36	1	1	1	6	1	4
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BL42+00N	0.3	20010	1	3	170	2.7	3	770	1.9	6	14	42620	940	13	2510	715	2	100	10	250	30	2	18	1	1	21.7	78	1	1	1	6	2	7
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BL44+50N	0.2	30620	1	13	150	3.5	5	2470	2.4	8	27	51860	850	17	4180	536	3	130	16	880	29	4	30	1	1	18.8	51	1	1	1	9	3	8
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BL46+50N	0.4	30230	1	13	130	2.2	4	690	2.7	5	22	72750	900	17	2730	348	2	120	13	510	20	2	12	1	1	21.8	57	1	1	1	7	1	5
BL47+50N	0.4	30740	1	13	120	2.3	4	850	2.4	5	20	67040	940	16	2610	1096	2	160	12	540	21	2	15	1	1	19.8	37	1	1	1	6	1	4
BL48+00N	0.5	18940	1	3	75	2.6	4	370	1.9	4	17	43940	920	12	1940	228	2	90	8	250	17	2	14	1	1	20.2	27	1	1	1	7	2	6
BL48+50N	0.4	35540	1	15	100	1.7	4	600	1.9	4	16	72740	580	11	1710	709	1	170	8	1000	16	2	9	1	1	19.1	44	1	1	1	6	1	2
BL49+50N	0.3	47320	1	26	59	2.0	4	590	2.6	5	18	81970	380	9	1360	915	2	200	8	700	15	3	6	1	1	21.8	35	1	1	1	8	1	2

EXIBIT "A"

STATEMENT OF EXPENDITURES

SOIL GEOCHEMISTRY

ROW 1,2 and 3

NELSON MINING DIVISION

Salaries		
M.Waskett-Myers	26 days @ $300.00/day.....	$ 7,800.00
G.DePaoli	24 days @ $ 89.00/day.....	$ 2,136.00
C.Repp	20 days @ $ 89.00/day.....	$ 1,780.00
Domicile	70 man days @ $29.69/day.....	$ 2,078.30
Analysis	2438 samples @ $8.35/sample.....	$20,357.30
Supplies	Flagging, sample bags, etc.....	$ 621.00
Transportation	4/4 @ $40/day for 27 days.....	$ 1,080.00
Report preparation	M.Waskett-Myers 4 days @ 300/day....	$ 1,200.00
	TOTAL.....	$37,052.60

M Waskett-Myers

M.WASKETT-MYERS, Geochemist.

IN THE MATTER OF THE

B.C. MINERAL ACT

AND

IN THE MATTER OF A SOIL GEOCHEMISTRY PROGRAM

CARRIED OUT ON THE ROW 1,2,and3 MINERAL CLAIMS

in the Nelson Mining Division of the
Province of British Columbia

AFFIDAVIT

I, M.Waskett-Myers, of Delta in the Province of British Columbia, make Oath and say:

1. That I am a Consultant Geochemist and as such, have a personal knowledge of the facts to which I hereinafter depose;

2. That annexed hereto and marked as Exibit "A" to this my Affidavit is true copy of expenditures incurred on a Soil Geochemistry program, on the Row mineral claims.

3. That the said expenditures were incurred between the 28th day of May, 1986 and the 6th day of Sept. 1986, for the purpose of mineral exploration on the above noted claims.

M Waskett-Myers
M.WASKETT-MYERS.
Geochemist

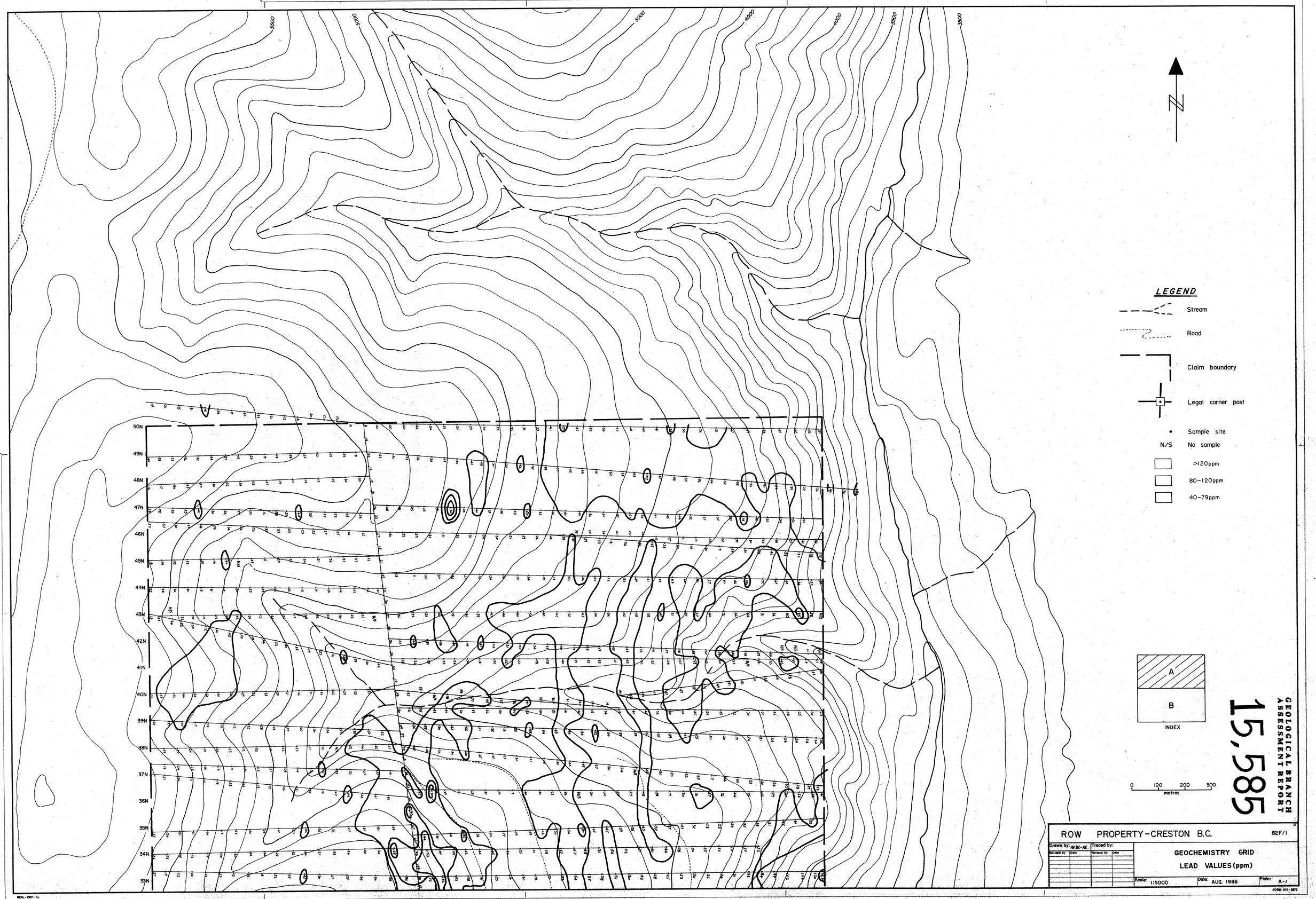
ESSO MINERALS CANADA
(A DIVISION OF ESSO RESOURCES CANADA LTD.)

STATEMENT OF QUALIFICATIONS

M. D. WASKETT-MYERS has worked in Mineral Exploration for the past twenty years, principally in the field of geochemistry.

I consider him qualified to prepare this report.

John L. MacLeod
Senior Project Geologist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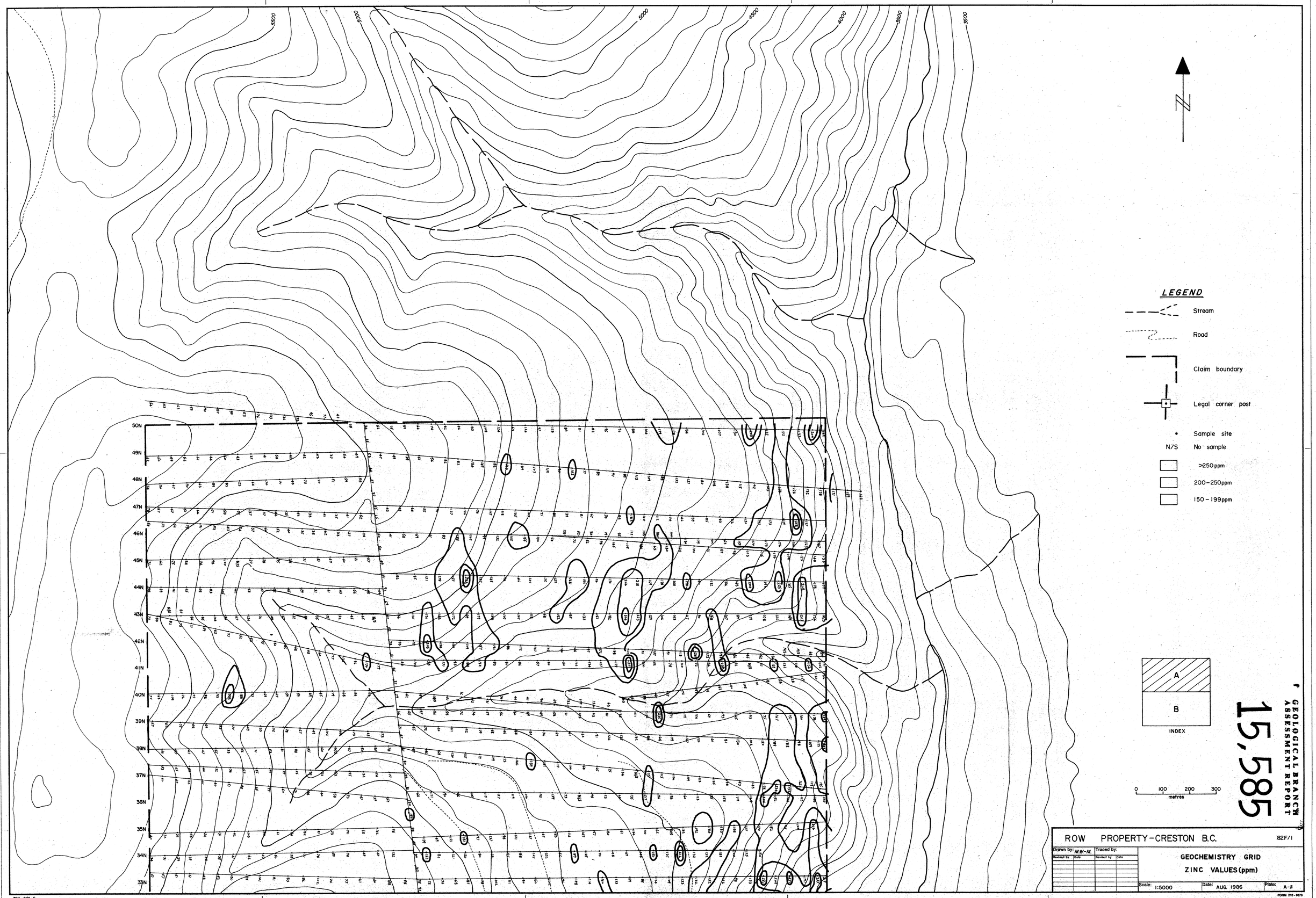
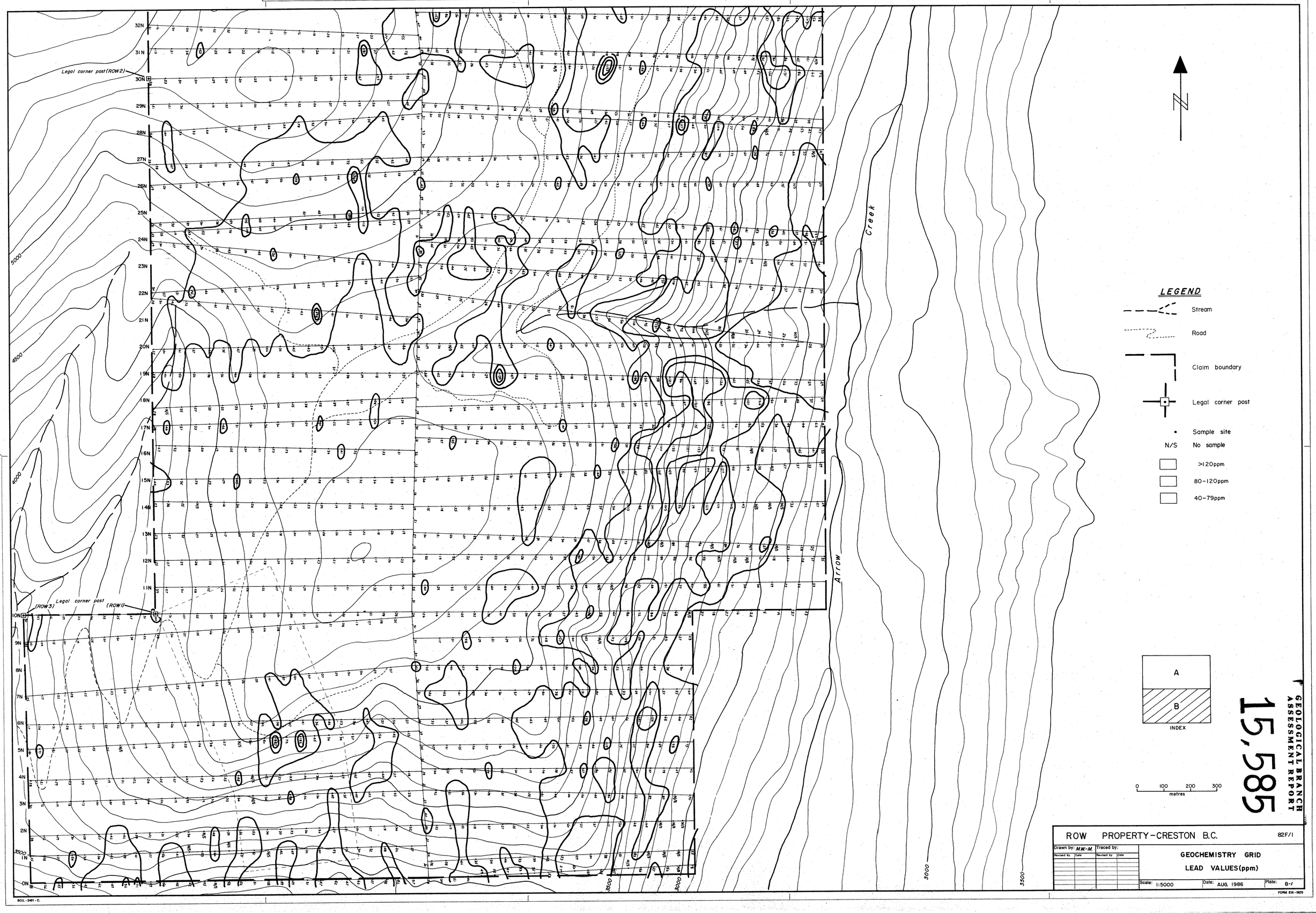
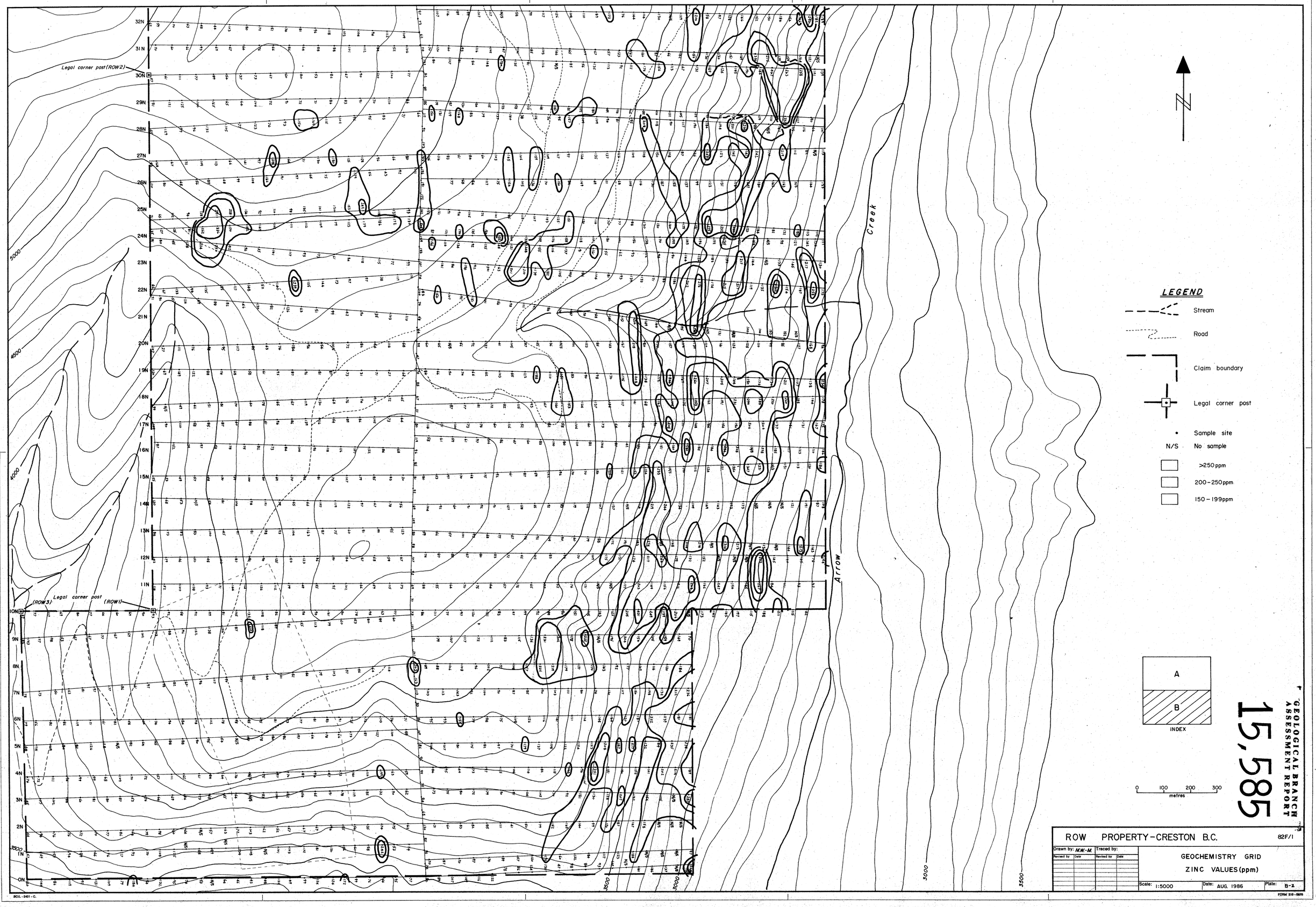
47N
46N
45N
44N
43N
42N
41N
40N
39N
38N
37N
36N
35N
34N
33N
LEGEND
Stream
Road
Claim boundary
Legal corner post
Sample site
N/S No sample
>120ppm
80-120ppm
40-79ppm
A
B
INDEX
0 100 200 300
metres
GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,585
ROW PROPERTY-CRESTON B.C.
82F/1
Drawn by: M.W.-M.
Traced by:
Revised by Date
Revised by Date
GEOCHEMISTRY GRID
LEAD VALUES (ppm)
Scale: 1:5000
Date: AUG. 1986
Plate: A-1
BCGL-2401-C.
FORM 212-0870


5500
5000
4500
4000
3500
3000
N
LEGEND
Stream
Road
Claim boundary
Legal corner post
Sample site
N/S No sample
>250 ppm
200-250ppm
150-199ppm
50N
49N
48N
47N
46N
45N
44N
43N
42N
41N
40N
39N
38N
37N
36N
35N
34N
33N
A
B
INDEX
0 100 200 300
metres
GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,585
ROW PROPERTY-CRESTON B.C.
82F/1
Drawn by: M.W.-M.
Traced by:
Revised by Date
Revised by Date
GEOCHEMISTRY GRID
ZINC VALUES (ppm)
Scale: 1:5000
Date: AUG. 1986
Plate: A-2
FORM 210-0670
BCGL-2401-G.


Legal corner post (ROW2)
Legal corner post (ROW3)
(ROW1)
Arrow Creek
5000
4500
4000
3500
3000
LEGEND
Stream
Road
Claim boundary
Legal corner post
Sample site
N/S No sample
>120ppm
80-120ppm
40-79ppm
A
B
INDEX
0 100 200 300
metres
GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,585
ROW PROPERTY-CRESTON B.C.
82F/1
Drawn by: MW-M
Traced by:
Revised by Date
Revised by Date
GEOCHEMISTRY GRID
LEAD VALUES(ppm)
Scale: 1:5000
Date: AUG. 1986
Plate: B-1
BCIL - 2401 - C.
FORM 210 - 0620


Legal corner post (ROW2)
Legal corner post (ROW3)
Legal corner post (ROW1)
Arrow Creek
5000
4500
4000
3500
3000
LEGEND
Stream
Road
Claim boundary
Legal corner post
Sample site
N/S No sample
>250 ppm
200-250 ppm
150-199 ppm
A
B
INDEX
0 100 200 300
metres
GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,585
ROW PROPERTY-CRESTON B.C.
82F/1
Drawn by: M.W.-M.
Traced by:
Revised by Date
Revised by Date
GEOCHEMISTRY GRID
ZINC VALUES (ppm)
Scale: 1:5000
Date: AUG. 1986
Plate: B-2
BCIL - 2401 - C.
FORM 210 - 0870