

C-horizon
<2 mm fraction
INAA

North American Soil Geochemical Landscapes Project
Summary Statistics - Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation	Ag ppm 2 milled - INAA	As ppm 0.5 milled - INAA	Au ppb 2 milled - INAA	Ba ppm 50 milled - INAA	Br ppm 0.5 milled - INAA	Cd ppm 5 milled - INAA	Ce ppm 5 milled - INAA	Cr ppm 20 milled - INAA	Cs ppm 0.5 milled - INAA	Eu ppm 1 milled - INAA	Fe % 0.2 milled - INAA	Hf ppm 1 milled - INAA	Ir ppb 50 milled - INAA	La ppm 2 milled - INAA	Lu ppm 0.2 milled - INAA	Na % 0.02 milled - INAA	Ni ppm 10 milled - INAA	Rb ppm 5 milled - INAA	Sb ppm 0.1 milled - INAA
Number of Samples	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176
Values < Det. Lim.	175	0	140	0	0	175	0	7	1	125	0	0	176	0	0	0	22	0	2
Arithmetic Mean	<2	11.8	2	382	11.6	<5	70	78	4.7	<1	3.7	7	<50	31	0.5	1.12	38	95	0.8
Median	<2	9.0	<2	370	6.8	<5	68	65	4.3	<1	3.7	7	<50	31	0.5	1.10	31	93	0.7
Variance	0	297.9	96	10636	201.2	0	298	3694	4.5	0	1.4	3	0	53	0.0	0.20	900	779	0.6
Standard Deviation	0	17.3	10	103	14.2	0	17	61	2.1	1	1.2	2	0	7	0.1	0.45	30	28	0.8
Skewness	13	11.0	13	0	2.9	13	1	5	1.6	2	0.5	0	-	0	1.6	0.66	3	1	7.2
Kurtosis	176	134.8	167	0	9.9	176	6	45	4.7	4	0.8	2	-	1	8.7	0.64	12	3	69.3
Percentiles																			
Minimum Value	<2	0.8	<2	110	0.5	<5	19	<20	<0.5	<1	0.7	2	<50	8	0.2	0.22	<10	16	<0.1
5th Percentile	<2	2.8	<2	220	1.1	<5	44	23	2.3	<1	2.0	4	<50	20	0.3	0.46	<10	55	0.2
10th Percentile	<2	5.7	<2	260	1.5	<5	50	34	2.5	<1	2.2	5	<50	22	0.3	0.60	<10	67	0.3
15th Percentile	<2	6.2	<2	280	2.1	<5	54	39	2.9	<1	2.5	6	<50	24	0.4	0.67	15	71	0.4
25th Percentile	<2	7.2	<2	320	3.4	<5	60	48	3.3	<1	2.9	6	<50	27	0.4	0.83	20	79	0.5
35th Percentile	<2	7.9	<2	350	4.8	<5	63	54	3.6	<1	3.3	7	<50	28	0.4	0.94	25	83	0.6
50th Percentile	<2	9.0	<2	370	6.8	<5	68	65	4.3	<1	3.7	7	<50	31	0.5	1.10	31	93	0.7
65th Percentile	<2	10.8	<2	410	10.0	<5	75	82	4.9	<1	4.2	8	<50	34	0.5	1.20	42	100	0.8
70th Percentile	<2	12.0	<2	420	12.0	<5	77	86	5.2	<1	4.2	8	<50	34	0.5	1.30	46	100	0.8
75th Percentile	<2	13.0	<2	430	14.3	<5	79	96	5.5	<1	4.4	8	<50	35	0.5	1.30	50	110	0.8
80th Percentile	<2	13.0	2	470	17.0	<5	82	100	6.2	<1	4.5	8	<50	36	0.6	1.40	56	110	0.9
90th Percentile	<2	18.0	3	525	25.5	<5	91	130	7.2	2	5.1	9	<50	40	0.6	1.70	73	130	1.1
95th Percentile	<2	24.3	4	563	34.3	<5	98	163	8.2	2	5.7	10	<50	42	0.7	2.00	84	140	1.4
98th Percentile	<2	28.5	5	605	56.8	<5	100	210	10.5	2	7.1	12	<50	46	0.7	2.28	105	165	2.6
99th Percentile	<2	33.5	9	635	79.1	<5	110	238	11.8	3	7.3	13	<50	48	0.8	2.37	138	175	3.0
Maximum Value	2	225.0	130	690	84.0	5	170	650	15.0	4	7.4	14	<50	54	1.3	2.49	240	220	8.8

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Variable	Sc	Se	Sm	Sn	Ta	Tb	Te	Th	Ti	U	W	Wt	Yb	Zn	Zr
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm
Min. Detection Limit	0.2	5	0.1	100	0.5	0.5	10	0.2	500	0.2	1	-	2	100	200
Sample Preparation	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled
Dissolution	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Instrumentation	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
Number of Samples	176.0	176	176	176	176	176	176	176	176	176	176	176	176	176	176
Values < Det. Lim.	0	176	0	176	5	35	176	0	0	0	78	0	34	150	153
Arithmetic Mean	12.4	<5	5.3	<100	1.2	0.6	<10	9.8	4905	2.4	1	9.8	2	<100	<200
Median	12.0	<5	5.2	<100	1.2	0.6	<10	9.4	5000	2.2	1	9.8	3	<100	<200
Variance	20.1	0	1.5	0	0.3	0.1	0	7.2	1481517	0.8	1	3.3	1	1172	9022
Standard Deviation	4.5	0	1.2	0	0.5	0.2	0	2.7	1217	0.9	1	1.8	1	34	95
Skewness	1.5	-	0.6	-	2.6	0.0	-	1.1	0	3.9	1	-0.8	0	4	3
Kurtosis	7.3	-	0.8	-	15.8	-0.1	-	3.1	1	27.8	0	2.4	2	18	5
Percentiles															
Minimum Value	2.5	<5	2.0	<100	<0.5	<0.5	<10	2.6	910	0.5	<1	2.6	<2	<100	<200
5th Percentile	6.7	<5	3.7	<100	0.6	<0.5	<10	5.8	2850	1.5	<1	7.3	<2	<100	<200
10th Percentile	7.5	<5	4.0	<100	0.8	<0.5	<10	7.1	3450	1.7	<1	7.9	<2	<100	<200
15th Percentile	8.0	<5	4.2	<100	0.8	<0.5	<10	7.7	3700	1.8	<1	8.1	<2	<100	<200
25th Percentile	10.0	<5	4.5	<100	1.0	0.5	<10	8.2	4400	2.0	<1	8.9	2	<100	<200
35th Percentile	11.0	<5	4.7	<100	1.1	0.6	<10	8.7	4600	2.1	<1	9.3	2	<100	<200
50th Percentile	12.0	<5	5.2	<100	1.2	0.6	<10	9.4	5000	2.2	1	9.8	3	<100	<200
65th Percentile	14.0	<5	5.5	<100	1.3	0.7	<10	10.0	5275	2.4	2	10.5	3	<100	<200
70th Percentile	14.0	<5	5.7	<100	1.4	0.7	<10	10.0	5500	2.5	2	10.8	3	<100	<200
75th Percentile	15.0	<5	6.0	<100	1.4	0.8	<10	11.0	5600	2.6	2	11.0	3	<100	<200
80th Percentile	15.0	<5	6.2	<100	1.5	0.8	<10	11.0	5700	2.9	2	11.2	3	<100	<200
90th Percentile	18.0	<5	7.0	<100	1.8	0.9	<10	13.0	6150	3.3	2	11.8	3	110	320
95th Percentile	19.3	<5	7.5	<100	1.9	0.9	<10	15.0	6900	3.9	3	12.7	4	130	363
98th Percentile	21.2	<5	8.0	<100	2.4	1.1	<10	17.5	7500	4.4	3	13.3	4	130	363
99th Percentile	23.9	<5	8.1	<100	2.8	1.1	<10	19.3	7975	4.8	3	13.7	4	195	483
Maximum Value	40.0	<5	10.0	<100	4.8	1.4	<10	20.0	8700	10.0	4	14.2	7	310	510

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Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppm 2 milled -	As ppm 0.5 milled -	Au ppb 2 milled -	Ba ppm 50 milled -	Br ppm 0.5 milled -	Cd ppm 5 milled -	Ce ppm 5 milled -	Cr ppm 20 milled -	Cs ppm 0.5 milled -	Eu ppm 1 milled -	Fe % 0.2 milled -	Hf ppm 1 milled -	Ir ppb 50 milled -	La ppm 2 milled -	Lu ppm 0.2 milled -	Na % 0.02 milled -	Ni ppm 10 milled -	Rb ppm 5 milled -	Sb ppm 0.1 milled -
		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
1	NB071001	<2	15.0	<2	350	4.9	<5	65	53	3.9	<1	3.1	7	<50	27	0.4	0.88	28	92	1.0
2	NB071002	<2	12.0	3	410	0.8	<5	95	87	5.2	<1	3.8	8	<50	39	0.6	0.94	24	100	1.1
3	NB071003	<2	10.0	<2	260	3.6	<5	62	53	3.0	1	4.0	9	<50	28	0.7	0.46	30	67	0.7
4	NB071004	<2	4.4	<2	480	8.7	<5	60	38	6.9	<1	1.9	7	<50	24	0.4	2.29	12	110	0.5
5	NB071005	<2	14.0	2	420	7.5	<5	97	75	8.6	<1	4.0	13	<50	40	0.7	1.70	25	140	1.1
6	NB071007	<2	18.0	5	690	6.7	<5	94	78	15.0	<1	4.5	5	<50	40	0.7	0.93	31	140	8.8
7	NB071009	<2	10.0	<2	290	3.2	<5	70	52	4.2	1	3.6	8	<50	32	0.5	0.53	24	81	0.9
8	NB071010	<2	24.0	3	430	2.7	<5	60	89	5.1	<1	4.2	4	<50	26	0.4	1.10	47	100	3.9
9	NB071011	<2	8.5	3	420	7.4	<5	66	83	5.3	<1	3.6	8	<50	31	0.5	1.40	25	110	1.1
10	NB071012	<2	10.0	<2	360	7.0	<5	75	54	4.0	<1	2.2	8	<50	34	0.4	1.80	25	79	0.6
11	NB071013	<2	7.6	<2	320	4.2	<5	58	54	3.5	<1	2.7	7	<50	26	0.4	0.73	27	84	0.7
12	NB071014	<2	8.7	<2	260	5.1	<5	50	28	2.4	<1	2.4	4	<50	22	0.3	0.65	24	67	0.8
13	NB071015	<2	6.3	<2	390	3.2	<5	50	67	3.3	<1	2.8	7	<50	25	0.4	1.70	28	110	0.6
14	NB071016	<2	13.0	<2	470	17.0	<5	87	79	3.5	2	3.7	8	<50	36	0.5	1.80	47	72	0.7
15	NB071017	<2	16.0	<2	450	5.8	<5	81	76	3.7	<1	4.2	12	<50	42	0.5	1.50	78	72	0.8
16	NB071018	<2	4.8	<2	480	1.1	<5	99	86	6.9	<2	5.5	9	<50	46	0.7	0.37	59	110	0.9
17	NB071019	<2	12.0	<2	400	1.9	<5	92	85	6.9	<1	7.2	7	<50	43	0.6	0.35	53	130	1.2
18	NB071020	<2	12.0	<2	350	10.0	<5	75	82	5.9	<1	3.5	7	<50	37	0.6	0.81	33	97	0.8
19	NB071021	<2	14.0	2	220	6.3	<5	75	46	4.8	<1	3.6	8	<50	30	0.6	1.00	<10	130	1.0
20	NB071022	<2	7.9	<2	220	53.3	<5	75	27	2.2	2	3.5	8	<50	25	0.8	2.49	<10	42	1.0
21	NB071023	<2	16.0	<2	370	19.0	<5	83	62	4.0	2	3.4	7	<50	31	0.4	1.50	42	94	0.7
22	NB071024	<2	13.0	<2	350	13.0	<5	68	82	2.5	<1	3.4	9	<50	30	0.5	1.40	37	83	0.9
23	NB071025	<2	6.0	<2	430	15.0	<5	86	52	3.9	2	2.0	8	<50	34	0.5	2.00	<10	120	0.7
24	NB071027	2	15.0	<2	440	3.6	<5	76	130	3.7	<1	4.8	7	<50	35	0.6	1.40	66	93	0.9
25	NB071028	<2	17.0	<2	300	3.0	<5	78	110	3.9	<1	4.2	9	<50	32	0.5	1.40	68	79	1.4
26	NB071029	<2	13.0	<2	300	8.8	<5	83	130	4.4	<1	4.5	8	<50	31	0.4	1.10	60	91	0.8
27	NB071030	<2	13.0	<2	400	2.5	<5	78	110	3.4	<1	4.5	8	<50	35	0.4	1.20	61	95	0.9
28	NB071031	<2	22.0	<2	390	11.0	<5	70	100	4.3	<1	4.7	6	<50	29	0.4	1.20	54	93	1.3
29	NB071032	<2	7.7	<2	400	6.9	<5	81	55	5.0	<1	3.4	8	<50	38	0.6	1.70	32	91	0.6
30	NB071033	<2	7.9	<2	220	2.0	<5	57	47	3.6	<1	3.9	8	<50	28	0.6	0.47	22	69	0.7
31	NB071034	<2	7.0	<2	310	1.7	<5	66	50	2.9	<1	2.7	7	<50	33	0.4	1.10	19	79	0.6
32	NB071035	<2	7.4	<2	250	4.9	<5	56	36	2.3	2	2.4	7	<50	25	0.4	1.00	18	69	0.5
33	NB071036	<2	18.0	<2	410	1.5	<5	74	57	6.5	1	3.8	9	<50	34	0.6	1.00	44	110	2.0
34	NB071037	<2	8.4	2	230	0.6	<5	56	35	2.4	<1	1.6	7	<50	27	0.4	0.56	19	66	0.5
35	NB071038	<2	15.0	<2	260	8.4	<5	79	62	4.5	2	2.9	10	<50	33	0.5	0.60	31	74	1.1
36	NB071039	<2	11.0	<2	330	5.3	<5	67	76	5.7	<1	4.2	8	<50	33	0.5	0.59	26	99	1.0
37	NB071040	<2	2.9	<2	240	5.7	<5	69	47	5.3	<1	2.1	8	<50	25	0.8	2.27	<10	190	0.2
38	NB071041	<2	12.0	<2	350	1.8	<5	73	83	4.3	2	3.9	7	<50	32	0.6	1.20	36	73	1.3
39	NB071042	<2	1.5	3	340	50.8	<5	53	31	2.4	<1	2.7	8	<50	17	0.6	2.00	24	52	0.2
40	NB071043	<2	10.0	<2	490	4.5	<5	66	88	6.3	3	4.1	7	<50	29	0.5	1.30	53	97	0.6
41	NB071044	<2	6.0	3	410	25.0	<5	60	68	2.3	<1	4.2	6	<50	27	0.5	2.35	30	44	0.5
42	NB071045	<2	0.8	<2	400	3.4	<5	79	<20	7.2	<1	2.3	6	<50	38	0.3	2.41	<10	150	0.1
43	NB071046	<2	8.7	<2	380	10.0	<5	73	55	4.9	<1	3.6	8	<50	31	0.5	1.10	35	99	0.6

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Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Sc ppm 0.2 milled -	Se ppm 5 milled -	Sm ppm 0.1 milled -	Sn ppm 100 milled -	Ta ppm 0.5 milled -	Tb ppm 0.5 milled -	Te ppm 10 milled -	Th ppm 0.2 milled -	Ti ppm 500 milled -	U ppm 0.2 milled -	W ppm 1 milled -	Wt g - milled -	Yb ppm 2 milled -	Zn ppm 100 milled -	Zr ppm 200 milled -
		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
1	NB071001	9.3	<5	4.7	<100	1.4	0.6	<10	10.0	4400	2.5	2	9.62	<2	<100	<200
2	NB071002	15.0	<5	8.0	<100	1.8	0.7	<10	11.0	5600	2.4	<1	8.89	3	<100	<200
3	NB071003	12.0	<5	5.2	<100	1.9	0.9	<10	11.0	5500	2.3	1	11.83	3	<100	320
4	NB071004	7.7	<5	5.3	<100	2.4	0.6	<10	12.0	3500	3.2	<1	12.21	2	<100	<200
5	NB071005	14.0	<5	7.5	<100	2.5	1.1	<10	20.0	5700	4.5	2	9.09	4	<100	<200
6	NB071007	16.0	<5	7.5	<100	1.5	1.0	<10	12.0	5500	3.3	2	5.86	4	130	<200
7	NB071009	12.0	<5	5.4	<100	1.2	0.6	<10	9.4	4800	2.3	1	10.94	3	<100	<200
8	NB071010	14.0	<5	4.5	<100	1.1	0.6	<10	8.0	4100	2.2	2	8.13	2	<100	<200
9	NB071011	13.0	<5	5.3	<100	1.5	0.5	<10	11.0	4700	2.4	2	11.41	3	<100	<200
10	NB071012	8.2	<5	5.8	<100	1.0	0.8	<10	11.0	3700	2.2	2	9.55	3	<100	<200
11	NB071013	9.1	<5	4.2	<100	1.1	0.5	<10	8.7	4000	2.0	1	11.58	2	<100	270
12	NB071014	6.7	<5	4.0	<100	0.7	0.6	<10	6.9	3000	1.6	<1	10.46	<2	<100	<200
13	NB071015	8.8	<5	4.4	<100	1.2	0.6	<10	7.8	4000	2.0	<1	10.56	<2	<100	<200
14	NB071016	12.0	<5	6.2	<100	0.6	0.8	<10	10.0	4400	2.1	1	11.73	3	<100	<200
15	NB071017	16.0	<5	6.0	<100	1.2	0.6	<10	10.0	7500	2.2	<1	9.2	<2	<100	<200
16	NB071018	21.1	<5	7.9	<100	1.9	1.1	<10	13.0	8700	3.0	2	9.46	4	<100	<200
17	NB071019	19.0	<5	7.0	<100	1.8	0.9	<10	12.0	6300	2.9	2	9.4	4	<100	<200
18	NB071020	12.0	<5	6.2	<100	0.7	0.9	<10	10.0	5400	2.6	<1	12.48	3	<100	<200
19	NB071021	9.3	<5	5.2	<100	1.9	0.7	<10	16.0	4000	10.0	3	9.7	3	<100	<200
20	NB071022	14.0	<5	5.3	<100	1.4	0.7	<10	8.0	5300	1.7	<1	11.51	3	<100	<200
21	NB071023	12.0	<5	5.5	<100	1.5	0.9	<10	10.0	4900	2.1	2	11.43	3	<100	<200
22	NB071024	11.0	<5	5.3	<100	0.8	0.8	<10	8.5	4700	1.9	1	8.35	3	<100	<200
23	NB071025	7.5	<5	6.4	<100	1.8	0.5	<10	15.0	3500	3.1	2	11.85	2	<100	470
24	NB071027	18.0	<5	7.1	<100	0.8	0.9	<10	10.0	5200	2.2	<1	10.6	3	100	<200
25	NB071028	14.0	<5	5.3	<100	1.2	0.6	<10	8.3	5300	2.4	<1	11.19	3	120	<200
26	NB071029	14.0	<5	4.8	<100	1.0	<0.5	<10	9.1	5500	1.9	2	9.74	2	<100	340
27	NB071030	15.0	<5	5.3	<100	1.1	0.6	<10	11.0	5600	2.4	1	8.57	2	<100	<200
28	NB071031	14.0	<5	4.9	<100	0.9	0.5	<10	10.0	5100	2.1	<1	8.08	<2	110	<200
29	NB071032	11.0	<5	6.5	<100	1.1	0.7	<10	12.0	4800	2.4	3	10.04	3	<100	<200
30	NB071033	10.0	<5	4.8	<100	1.5	0.8	<10	8.3	5200	2.1	<1	9.39	3	<100	270
31	NB071034	10.0	<5	5.4	<100	1.1	<0.5	<10	8.6	5000	2.2	2	8.63	2	<100	<200
32	NB071035	7.4	<5	4.3	<100	0.8	0.6	<10	7.9	4100	1.9	1	12.45	2	<100	230
33	NB071036	14.0	<5	5.7	<100	1.1	0.8	<10	11.0	5000	2.7	1	11.43	3	<100	<200
34	NB071037	6.8	<5	4.7	<100	0.7	<0.5	<10	6.7	3300	1.8	<1	12.75	3	<100	<200
35	NB071038	10.0	<5	5.5	<100	1.3	0.6	<10	9.1	4600	2.4	1	10.79	3	<100	<200
36	NB071039	12.0	<5	4.6	<100	1.6	0.5	<10	10.0	4600	2.6	<1	9.44	3	<100	<200
37	NB071040	10.0	<5	5.2	<100	3.5	0.9	<10	19.0	3700	4.7	1	13.22	3	<100	<200
38	NB071041	16.0	<5	7.0	<100	1.1	0.9	<10	8.7	5800	2.2	1	9.11	3	<100	<200
39	NB071042	12.0	<5	4.0	<100	1.8	0.6	<10	9.3	3100	1.9	<1	11.11	4	<100	<200
40	NB071043	14.0	<5	3.8	<100	0.8	<0.5	<10	8.8	4400	2.4	<1	8.99	2	<100	<200
41	NB071044	20.0	<5	5.6	<100	1.2	0.8	<10	8.0	5800	2.0	<1	11.8	3	<100	<200
42	NB071045	6.7	<5	6.6	<100	2.4	0.7	<10	14.0	3100	2.8	1	9.74	<2	<100	<200
43	NB071046	12.0	<5	4.4	<100	1.1	0.8	<10	9.0	5500	2.3	2	9.44	3	<100	<200

C-horizon
<2 mm fraction
INAA

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppm 2 milled -	As ppm 0.5 milled -	Au ppb 2 milled -	Ba ppm 50 milled -	Br ppm 0.5 milled -	Cd ppm 5 milled -	Ce ppm 5 milled -	Cr ppm 20 milled -	Cs ppm 0.5 milled -	Eu ppm 1 milled -	Fe % 0.2 milled -	Hf ppm 1 milled -	Ir ppb 50 milled -	La ppm 2 milled -	Lu ppm 0.2 milled -	Na % 0.02 milled -	Ni ppm 10 milled -	Rb ppm 5 milled -	Sb ppm 0.1 milled -
		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
44	NB071047	<2	10.0	<2	320	3.2	<5	53	47	3.7	<1	2.9	8	<50	28	0.4	0.72	16	81	0.8
45	NB071048	<2	7.8	3	220	1.4	<5	73	30	4.0	<1	3.7	10	<50	30	0.6	0.66	<10	79	0.8
46	NB071049	<2	8.2	<2	330	6.4	<5	62	50	2.5	<1	2.5	8	<50	27	0.4	0.67	30	57	0.7
47	NB071050	<2	13.0	<2	260	3.6	<5	67	130	14.0	<1	4.9	8	<50	32	0.5	0.27	70	93	2.6
48	NB071051	<2	7.9	<2	280	2.8	<5	61	100	7.7	<1	3.6	8	<50	32	0.4	1.20	47	93	0.6
49	NB071052	<2	8.5	<2	310	3.7	<5	68	84	3.0	<1	3.4	8	<50	30	0.3	1.10	43	78	0.5
50	NB071054	<2	19.0	2	370	9.2	<5	83	81	7.0	<1	3.9	9	<50	36	0.7	0.78	47	110	2.5
51	NB071055	<2	1.5	<2	110	84.0	5	32	650	<0.5	1	7.1	2	<50	10	0.3	0.93	110	16	0.1
52	NB071056	<2	8.0	<2	330	56.5	<5	53	170	2.6	<1	4.1	7	<50	20	0.5	1.50	40	72	0.7
53	NB072001	<2	7.7	5	190	4.4	<5	49	<20	2.5	<3	2.2	2	<50	22	0.3	0.87	<24	78	0.6
54	NB072002	<2	27.0	<2	540	10.0	<5	84	59	3.2	2	4.1	9	<50	35	0.6	1.40	<10	110	1.5
55	NB072003	<2	24.0	<2	360	11.0	<5	76	110	3.6	2	5.5	7	<50	33	0.6	1.20	58	90	2.7
56	NB072004	<2	28.0	<2	430	20.0	<5	77	100	4.3	1	6.0	7	<50	33	0.6	1.10	45	160	1.8
57	NB072005	<2	25.0	6	360	11.0	<5	75	110	6.2	<1	5.9	7	<50	34	0.6	1.20	75	110	1.4
58	NB072006	<2	25.0	<2	310	12.0	<5	67	84	4.7	<1	4.3	6	<50	28	0.5	1.50	44	120	1.2
59	NB072007	<2	7.0	<2	480	3.9	<5	95	190	4.8	<1	5.1	5	<50	42	0.5	1.10	130	120	0.4
60	NB072009	<2	7.0	<2	390	6.0	<5	87	160	4.8	1	5.1	6	<50	33	0.3	0.81	100	110	0.5
61	NB072010	<2	10.0	<2	430	16.0	<5	100	140	2.9	2	5.1	8	<50	31	0.5	1.70	82	82	1.1
62	NB072011	<2	6.6	<2	320	4.8	<5	78	89	2.8	1	4.6	11	<50	26	0.5	1.70	48	87	1.1
63	NB072012	<2	24.0	<2	590	5.7	<5	170	54	6.9	2	3.7	14	<50	35	1.3	1.70	25	130	1.3
64	NB072013	<2	10.0	<2	620	5.8	<5	110	<20	3.4	2	2.0	7	<50	44	0.5	1.40	<10	150	0.3
65	NB072014	<2	8.5	<2	410	6.2	<5	74	130	4.2	1	4.7	7	<50	36	0.5	1.10	83	100	0.6
66	NB072015	<2	2.5	4	260	7.6	<5	73	260	1.6	<1	5.7	4	<50	23	0.2	1.30	87	23	0.2
67	NB072016	<2	6.9	<2	500	4.8	<5	100	230	10.0	2	6.1	4	<50	34	0.5	1.30	240	100	0.8
68	NB072017	<2	11.0	<2	430	7.4	<5	63	100	4.9	<1	3.8	9	<50	25	0.4	1.10	83	79	0.7
69	NB072018	<2	12.0	3	380	5.5	<5	75	140	4.0	<1	5.2	6	<50	30	0.4	1.20	70	96	1.0
70	NB072019	<2	7.3	<2	400	6.0	<5	64	170	3.2	<1	4.3	8	<50	25	0.3	1.30	82	96	0.4
71	NB072020	<2	10.0	<2	400	5.1	<5	54	230	3.2	<1	5.4	6	<50	22	0.4	1.30	160	93	0.9
72	NB072021	<2	5.9	<2	180	3.2	<5	46	23	1.4	<1	1.3	4	<50	20	0.3	0.67	<10	43	0.4
73	NB072022	<2	8.1	<2	350	1.4	<5	69	78	6.0	1	4.3	8	<50	35	0.5	0.68	45	110	0.9
74	NB072023	<2	8.3	<2	270	15.0	<5	63	51	3.6	2	3.2	7	<50	27	0.4	0.86	38	74	0.7
75	NB072024	<2	8.5	<2	370	5.5	<5	75	100	3.0	<1	3.5	10	<50	34	0.5	1.30	56	85	0.4
76	NB072026	<2	8.6	<2	200	15.0	<5	55	46	2.5	2	4.2	6	<50	31	0.4	1.00	<10	71	0.6
77	NB072027	<2	8.3	<2	320	5.9	<5	67	71	3.7	1	3.5	8	<50	31	0.5	1.00	29	87	0.7
78	NB072028	<2	7.0	<2	390	11.0	<5	58	50	3.6	1	2.4	7	<50	25	0.4	1.50	18	100	0.6
79	NB072029	<2	5.6	<2	320	7.2	<5	58	48	3.6	<1	2.8	8	<50	28	0.5	0.83	29	92	0.5
80	NB072030	<2	3.7	<2	220	4.3	<5	38	35	2.2	<1	1.9	4	<50	18	0.4	1.10	21	76	0.4
81	NB072031	<2	6.3	3	230	10.0	<5	52	45	1.8	<1	2.5	5	<50	23	0.3	1.10	<10	65	0.4
82	NB072032	<2	7.2	<2	370	4.4	<5	56	45	3.3	<1	2.7	7	<50	26	0.5	0.84	25	82	0.6
83	NB072033	<2	8.3	<2	320	6.8	<5	69	45	3.6	<1	3.2	6	<50	28	0.4	0.92	20	100	0.7
84	NB072034	<2	12.0	<2	410	9.0	<5	66	110	4.5	1	4.5	8	<50	34	0.4	1.10	51	95	0.7
85	NB072035	<2	9.4	2	310	7.3	<5	59	97	3.3	<1	3.6	8	<50	30	0.4	1.20	57	61	0.5
86	NB072036	<2	10.0	<2	420	3.5	<5	72	120	4.8	2	4.8	6	<50	34	0.4	1.10	84	110	0.5
87	NB072037	<2	10.0	<2	380	8.8	<5	80	130	4.9	2	4.6	8	<50	38	0.4	1.40	63	90	0.6

C-horizon
<2 mm fraction
INAA

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Sc ppm 0.2 milled -	Se ppm 5 milled -	Sm ppm 0.1 milled -	Sn ppm 100 milled -	Ta ppm 0.5 milled -	Tb ppm 0.5 milled -	Te ppm 10 milled -	Th ppm 0.2 milled -	Ti ppm 500 milled -	U ppm 0.2 milled -	W ppm 1 milled -	Wt g - milled -	Yb ppm 2 milled -	Zn ppm 100 milled -	Zr ppm 200 milled -
		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
44	NB071047	10.0	<5	5.0	<100	1.5	0.7	<10	10.0	4500	2.2	2	11.73	2	<100	<200
45	NB071048	11.0	<5	4.8	<100	1.0	1.0	<10	9.1	5900	2.2	<1	9.32	3	<100	<200
46	NB071049	7.8	<5	4.8	<100	<0.5	<0.5	<10	8.1	4300	2.3	<1	8.91	2	110	<200
47	NB071050	15.0	<5	4.6	<100	1.3	0.7	<10	11.0	6700	2.4	1	11.47	3	<100	<200
48	NB071051	11.0	<5	5.1	<100	1.2	0.6	<10	9.1	4800	2.1	<1	9.83	<2	<100	<200
49	NB071052	10.0	<5	5.3	<100	1.1	0.6	<10	8.1	4500	1.8	<1	7.16	<2	<100	<200
50	NB071054	13.0	<5	6.3	<100	1.5	0.8	<10	11.0	5400	2.9	2	11.63	3	<100	<200
51	NB071055	40.0	<5	2.8	<100	1.0	<0.5	<10	2.6	5200	0.5	<1	8.28	<2	130	<200
52	NB071056	18.0	<5	3.9	<100	1.0	0.6	<10	6.4	4800	1.4	2	12.7	2	<100	<200
53	NB072001	6.9	<5	3.4	<100	1.4	0.6	<10	6.2	3200	1.5	<1	2.8	2	<100	<200
54	NB072002	16.0	<5	6.7	<100	1.4	0.8	<10	13.0	5800	3.7	3	11.62	4	<100	<200
55	NB072003	19.0	<5	6.1	<100	2.3	1.0	<10	10.0	8200	2.5	2	9.68	3	<100	<200
56	NB072004	20.4	<5	6.7	<100	1.3	0.8	<10	13.0	6500	3.8	3	9.05	4	150	<200
57	NB072005	19.0	<5	5.5	<100	1.0	0.8	<10	11.0	7900	4.0	<1	9.45	3	130	<200
58	NB072006	12.0	<5	4.7	<100	1.4	0.9	<10	16.0	5800	3.6	3	8.31	3	<100	<200
59	NB072007	20.2	<5	7.2	<100	<0.5	0.8	<10	10.0	5100	2.2	<1	7.83	3	<100	<200
60	NB072009	16.0	<5	4.5	<100	1.3	<0.5	<10	10.0	5800	2.1	1	9.51	<2	120	350
61	NB072010	15.0	<5	5.1	<100	1.5	0.9	<10	10.0	7300	2.2	<1	10.49	3	<100	<200
62	NB072011	12.0	<5	4.1	<100	1.6	0.7	<10	11.0	7100	3.0	1	10.38	3	<100	480
63	NB072012	10.0	<5	7.8	<100	4.8	1.4	<10	20.0	3700	4.2	3	10.88	7	170	<200
64	NB072013	7.9	<5	6.0	<100	1.3	0.6	<10	19.0	2400	4.3	1	11.39	<2	<100	<200
65	NB072014	16.0	<5	5.5	<100	1.5	0.5	<10	10.0	6200	2.3	<1	9.18	3	<100	<200
66	NB072015	23.8	<5	4.7	<100	0.6	<0.5	<10	4.2	6900	1.4	<1	8.46	<2	<100	<200
67	NB072016	24.3	<5	6.9	<100	1.2	1.1	<10	10.0	4900	2.6	1	11.16	3	130	<200
68	NB072017	13.0	<5	4.4	<100	1.2	<0.5	<10	7.9	4900	2.1	<1	10.9	<2	<100	380
69	NB072018	17.0	<5	4.8	<100	1.2	<0.5	<10	9.1	5900	2.3	1	7.5	<2	<100	<200
70	NB072019	14.0	<5	4.3	<100	0.8	0.6	<10	8.9	5900	1.9	<1	8.5	2	<100	<200
71	NB072020	19.0	<5	3.7	<100	1.0	<0.5	<10	9.0	5200	1.9	<1	5.17	<2	100	<200
72	NB072021	4.3	<5	4.1	<100	<0.5	<0.5	<10	4.6	1800	1.0	<1	13.32	<2	<100	<200
73	NB072022	14.0	<5	4.8	<100	1.4	0.5	<10	11.0	5100	2.2	1	10.46	3	<100	<200
74	NB072023	11.0	<5	4.6	<100	1.0	0.7	<10	9.4	4700	2.1	1	11.11	2	<100	<200
75	NB072024	13.0	<5	6.2	<100	1.4	0.7	<10	8.7	4600	1.8	<1	9.58	3	<100	<200
76	NB072026	10.0	<5	5.0	<100	1.2	0.6	<10	7.1	4900	1.7	1	12.79	<2	<100	<200
77	NB072027	11.0	<5	4.7	<100	1.2	0.7	<10	10.0	5100	2.1	2	9.83	3	<100	370
78	NB072028	9.3	<5	4.4	<100	1.2	0.6	<10	10.0	3600	2.4	2	12.39	3	<100	<200
79	NB072029	9.4	<5	4.6	<100	1.3	0.6	<10	8.4	4200	2.0	1	11.86	2	<100	320
80	NB072030	5.9	<5	3.3	<100	0.8	0.5	<10	5.7	2300	1.6	<1	14.16	<2	<100	<200
81	NB072031	7.3	<5	3.9	<100	0.6	0.6	<10	8.0	2900	1.7	<1	8.65	<2	<100	<200
82	NB072032	9.0	<5	4.2	<100	1.2	0.6	<10	8.4	4400	1.9	1	13.79	2	<100	360
83	NB072033	10.0	<5	4.6	<100	1.4	0.6	<10	9.1	4400	2.0	<1	10.99	3	<100	<200
84	NB072034	14.0	<5	5.6	<100	<0.5	0.8	<10	9.0	4500	2.0	1	9.61	2	<100	350
85	NB072035	12.0	<5	5.0	<100	0.9	0.5	<10	8.2	4500	1.9	<1	7.36	2	<100	<200
86	NB072036	16.0	<5	6.0	<100	1.0	0.8	<10	10.0	5100	2.2	<1	8.74	2	<100	<200
87	NB072037	14.0	<5	5.8	<100	1.4	0.6	<10	10.0	5800	2.3	2	9.57	3	<100	<200

C-horizon
<2 mm fraction
INAA

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppm 2 milled - INAA	As ppm 0.5 milled - INAA	Au ppb 2 milled - INAA	Ba ppm 50 milled - INAA	Br ppm 0.5 milled - INAA	Cd ppm 5 milled - INAA	Ce ppm 5 milled - INAA	Cr ppm 20 milled - INAA	Cs ppm 0.5 milled - INAA	Eu ppm 1 milled - INAA	Fe % 0.2 milled - INAA	Hf ppm 1 milled - INAA	Ir ppb 50 milled - INAA	La ppm 2 milled - INAA	Lu ppm 0.2 milled - INAA	Na % 0.02 milled - INAA	Ni ppm 10 milled - INAA	Rb ppm 5 milled - INAA	Sb ppm 0.1 milled - INAA
88	NB072038	<2	7.7	<2	270	29.0	<5	62	150	4.5	<1	5.3	6	<50	31	0.4	0.83	50	81	0.4
89	NB072039	<2	7.8	3	380	7.2	<5	78	130	3.5	<1	4.2	8	<50	37	0.5	1.30	67	84	0.6
90	NB072040	<2	8.4	<2	310	15.0	<5	80	120	4.0	<1	5.0	9	<50	36	0.4	1.30	63	80	0.5
91	NB072041	<2	7.7	3	450	2.4	<5	74	170	4.8	<1	4.6	8	<50	37	0.5	1.10	32	130	0.6
92	NB072042	<2	7.9	3	370	5.9	<5	79	96	3.0	<1	3.5	9	<50	32	0.5	1.30	69	70	0.4
93	NB072043	<2	9.4	<2	370	4.3	<5	74	100	3.4	<1	4.2	8	<50	33	0.4	1.10	54	85	0.5
94	NB072044	<2	4.0	<2	260	11.0	<5	56	42	2.5	<1	2.6	7	<50	26	0.4	1.10	27	90	0.5
95	NB072045	<2	2.5	<2	280	2.1	<5	61	42	2.6	<1	2.1	7	<50	26	0.4	1.20	16	82	0.4
96	NB072046	<2	7.6	4	340	0.5	<5	67	53	4.5	<1	3.5	6	<50	34	0.5	1.10	15	95	0.7
97	NB072047	<2	7.0	<2	280	3.0	<5	63	41	3.0	<1	3.1	7	<50	30	0.5	1.20	28	68	0.6
98	NB072048	<2	7.3	<2	270	3.0	<5	53	58	3.2	<1	2.6	7	<50	28	0.4	1.00	25	91	0.7
99	NB072050	<2	7.9	3	360	0.9	<5	63	46	4.5	<1	4.0	6	<50	32	0.3	0.81	37	100	0.7
100	NB072051	<2	9.3	<2	380	13.0	<5	60	67	5.1	<1	3.9	6	<50	31	0.4	0.80	29	100	0.7
101	NB072052	<2	8.8	<2	360	10.0	<5	75	59	5.0	<1	3.6	8	<50	34	0.5	0.86	40	93	0.7
102	NB072053	<2	6.1	<2	320	12.0	<5	61	85	2.2	<1	4.2	8	<50	25	0.5	1.20	56	71	0.6
103	NB072054	<2	6.4	<2	350	2.5	<5	76	77	3.1	2	3.2	7	<50	34	0.3	1.20	47	73	0.5
104	NB072055	<2	8.5	3	360	14.0	<5	75	120	4.8	<1	4.5	9	<50	33	0.5	1.00	78	88	0.7
105	NB072056	<2	8.9	<2	340	5.7	<5	60	130	3.2	<1	4.6	6	<50	27	0.3	1.10	99	85	0.5
106	NB072057	<2	7.0	5	380	19.0	<5	48	150	3.1	<1	5.0	5	<50	27	0.3	1.00	100	81	0.6
107	NB072058	<2	10.0	<2	490	6.0	<5	68	170	6.6	<1	4.9	5	<50	33	0.3	0.87	82	130	0.4
108	NB072059	<2	9.2	<2	350	9.1	<5	65	140	3.8	<1	4.3	8	<50	32	0.4	1.10	61	88	0.6
109	NB072060	<2	10.0	<2	420	6.8	<5	85	140	5.4	2	4.8	10	<50	39	0.6	1.20	63	100	0.9
110	NB072061	<2	12.0	<2	550	21.0	<5	67	96	3.2	<1	5.6	7	<50	31	0.6	1.00	31	110	0.4
111	NB072062	<2	2.5	<2	520	17.0	<5	74	62	3.6	<1	3.4	12	<50	35	0.6	1.80	33	79	0.3
112	NB072063	<2	15.0	<2	470	17.0	<5	91	54	4.7	<1	3.8	8	<50	31	0.6	1.70	31	120	0.6
113	NB072064	<2	10.0	<2	290	22.0	<5	59	58	3.9	<1	3.4	7	<50	26	0.5	0.72	17	89	0.7
114	NB072065	<2	6.9	<2	330	8.9	<5	55	39	3.0	<1	2.8	7	<50	26	0.4	0.91	15	82	0.5
115	NB072066	<2	13.0	<2	280	21.0	<5	66	61	6.4	<1	3.8	7	<50	28	0.5	1.20	39	170	0.6
116	NS071001	<2	10.0	3	330	2.1	<5	68	54	5.4	<1	3.0	8	<50	32	0.5	0.75	28	95	0.8
117	NS071002	<2	11.0	<2	420	24.0	<5	75	76	6.2	2	4.4	8	<50	35	0.5	0.37	35	100	1.0
118	NS071003	<2	14.0	<2	290	4.3	<5	77	75	4.6	<1	4.0	9	<50	34	0.5	0.51	45	85	1.0
119	NS071004	<2	10.0	<2	410	1.3	<5	81	58	5.5	1	3.5	9	<50	38	0.6	1.00	24	88	0.8
120	NS071005	<2	14.0	<2	600	1.2	<5	85	67	6.6	1	3.8	8	<50	41	0.5	0.62	38	130	0.9
121	NS071006	<2	8.3	<2	480	0.5	<5	72	49	5.2	2	3.1	7	<50	34	0.5	0.90	30	96	0.6
122	NS071007	<5	11.0	<6	680	1.4	<5	110	110	11.0	<3	4.4	5	<50	54	0.5	0.46	42	170	0.7
123	NS071008																			
124	NS071009	<2	5.1	<2	110	13.0	<5	19	<20	8.7	<1	0.9	4	<50	8	0.2	2.10	<10	220	<0.1
125	NS071010	<2	9.1	<2	420	2.1	<5	67	58	5.5	2	3.3	8	<50	31	0.4	0.64	23	110	0.8
126	NS071011	<2	5.0	<2	430	23.0	<5	80	69	3.9	1	3.2	14	<50	32	0.6	1.20	18	89	0.5
127	NS071012	<2	4.1	<2	570	31.0	<5	77	30	7.1	<1	2.1	6	<50	30	0.5	2.13	<10	110	0.2
128	NS071013	<2	10.0	<2	410	18.0	<5	89	80	6.9	<1	4.3	10	<50	40	0.6	0.77	30	120	0.8
129	NS071014	<2	9.0	<2	370	21.0	<5	80	51	4.3	<1	3.0	11	<50	28	0.5	1.20	17	110	0.6
130	NS071015	<2	6.0	<2	440	6.7	<5	56	43	8.5	<1	2.1	7	<50	24	0.4	1.50	15	120	0.3
131	NS071016	<2	16.0	<2	400	1.0	<5	86	89	7.6	<2	5.7	5	<50	46	0.5	0.71	51	120	1.0

C-horizon
<2 mm fraction
INAA

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Sc ppm 0.2 milled -	Se ppm 5 milled -	Sm ppm 0.1 milled -	Sn ppm 100 milled -	Ta ppm 0.5 milled -	Tb ppm 0.5 milled -	Te ppm 10 milled -	Th ppm 0.2 milled -	Ti ppm 500 milled -	U ppm 0.2 milled -	W ppm 1 milled -	Wt g - milled -	Yb ppm 2 milled -	Zn ppm 100 milled -	Zr ppm 200 milled -
		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
88	NB072038	15.0	<5	4.9	<100	0.6	0.6	<10	8.5	4200	1.9	<1	6.51	2	120	<200
89	NB072039	14.0	<5	5.9	<100	1.0	0.6	<10	10.0	5200	2.4	2	10.14	3	<100	<200
90	NB072040	15.0	<5	5.5	<100	1.2	0.6	<10	9.3	5100	2.1	<1	10.31	3	<100	<200
91	NB072041	17.0	<5	5.4	<100	1.2	0.6	<10	9.5	6400	2.5	<1	9.22	3	110	<200
92	NB072042	12.0	<5	6.0	<100	1.1	0.7	<10	8.1	4500	2.0	<1	8.76	3	<100	440
93	NB072043	12.0	<5	5.2	<100	1.3	0.6	<10	8.6	4900	2.2	<1	11.89	2	<100	<200
94	NB072044	8.1	<5	4.2	<100	1.1	<0.5	<10	7.2	3900	1.5	<1	8.73	<2	<100	<200
95	NB072045	7.3	<5	4.4	<100	1.0	0.6	<10	7.1	3700	1.6	<1	8.08	2	<100	<200
96	NB072046	12.0	<5	5.5	<100	1.2	0.5	<10	10.0	4800	2.4	<1	9.47	3	110	<200
97	NB072047	10.0	<5	4.7	<100	1.5	0.8	<10	8.1	4900	2.2	<1	9.37	2	<100	<200
98	NB072048	9.0	<5	4.3	<100	1.3	<0.5	<10	8.3	4800	2.0	<1	7.06	2	<100	<200
99	NB072050	10.0	<5	5.4	<100	1.2	0.5	<10	9.3	5400	2.2	<1	8.69	<2	<100	<200
100	NB072051	12.0	<5	4.9	<100	1.5	0.6	<10	8.8	5100	2.2	2	7.96	2	<100	<200
101	NB072052	11.0	<5	5.1	<100	1.3	0.9	<10	9.4	5200	2.2	<1	12.45	3	<100	<200
102	NB072053	13.0	<5	4.3	<100	1.2	<0.5	<10	8.6	5700	2.2	2	12.81	3	110	<200
103	NB072054	10.0	<5	6.7	<100	1.1	0.6	<10	10.0	5200	2.1	1	8.18	<2	<100	<200
104	NB072055	15.0	<5	5.6	<100	1.1	0.7	<10	10.0	5000	2.5	<1	8.67	2	<100	320
105	NB072056	14.0	<5	4.2	<100	1.4	<0.5	<10	8.5	4800	1.6	<1	7.31	<2	130	<200
106	NB072057	15.0	<5	3.8	<100	1.0	<0.5	<10	7.0	4300	1.8	<1	8.08	<2	<100	<200
107	NB072058	17.0	<5	4.5	<100	1.4	0.5	<10	9.1	5500	1.9	<1	6.43	2	<100	<200
108	NB072059	14.0	<5	5.1	<100	1.0	<0.5	<10	9.4	4500	2.1	1	10.7	2	100	360
109	NB072060	16.0	<5	6.0	<100	1.4	0.6	<10	12.0	6300	2.7	<1	9.88	3	<100	430
110	NB072061	20.0	<5	5.7	<100	1.6	0.6	<10	13.0	7100	3.1	2	10.2	3	<100	<200
111	NB072062	15.0	<5	6.4	<100	1.5	0.9	<10	11.0	5500	2.6	<1	11.47	3	<100	<200
112	NB072063	14.0	<5	5.4	<100	1.8	0.6	<10	14.0	5100	3.6	4	10.72	3	<100	<200
113	NB072064	10.0	<5	4.3	<100	1.0	0.6	<10	9.4	4400	2.0	<1	11.59	3	<100	<200
114	NB072065	8.5	<5	4.3	<100	1.2	<0.5	<10	7.8	3700	2.0	2	13.14	2	<100	<200
115	NB072066	11.0	<5	5.1	<100	2.1	0.6	<10	15.0	4500	4.2	2	10.47	3	<100	<200
116	NS071001	10.0	<5	5.6	<100	1.4	0.7	<10	10.0	4900	2.4	2	10.48	3	<100	<200
117	NS071002	12.0	<5	6.1	<100	0.9	0.6	<10	11.0	5100	3.3	1	10.11	3	<100	<200
118	NS071003	11.0	<5	4.9	<100	1.3	<0.5	<10	9.4	5600	2.3	2	10.43	3	<100	<200
119	NS071004	12.0	<5	7.0	<100	1.8	0.8	<10	10.0	5200	2.0	<1	11.03	3	<100	<200
120	NS071005	14.0	<5	7.2	<100	1.7	0.7	<10	11.0	5300	3.3	2	9.64	3	<100	<200
121	NS071006	11.0	<5	6.2	<100	1.3	0.5	<10	9.1	5000	1.9	<1	10.5	3	<100	<200
122	NS071007	16.0	<10	8.4	<100	1.5	0.9	<10	15.0	6100	2.9	<1	2.57	4	<100	<200
123	NS071008															
124	NS071009	2.5	<5	2.0	<100	1.2	<0.5	<10	4.7	910	5.0	3	10.49	<2	<100	<200
125	NS071010	12.0	<5	5.5	<100	1.4	0.7	<10	10.0	5000	2.5	2	10.44	2	<100	450
126	NS071011	11.0	<5	5.4	<100	1.2	0.6	<10	11.0	5700	3.8	2	11.14	3	<100	510
127	NS071012	7.9	<5	4.8	<100	1.1	0.8	<10	13.0	2700	3.5	<1	10.84	3	<100	<200
128	NS071013	15.0	<5	6.4	<100	1.4	<0.5	<10	13.0	6000	3.4	1	9.36	3	<100	<200
129	NS071014	9.3	<5	4.7	<100	1.2	0.6	<10	11.0	4400	2.8	2	10.7	3	<100	350
130	NS071015	7.5	<5	4.0	<100	1.3	<0.5	<10	10.0	2900	2.5	1	10.23	2	<100	<200
131	NS071016	19.0	<5	7.2	<100	0.8	0.9	<10	13.0	5000	2.9	3	3.73	3	110	<200

C-horizon
<2 mm fraction
INAA

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Ag ppm 2 milled - INAA	As ppm 0.5 milled - INAA	Au ppb 2 milled - INAA	Ba ppm 50 milled - INAA	Br ppm 0.5 milled - INAA	Cd ppm 5 milled - INAA	Ce ppm 5 milled - INAA	Cr ppm 20 milled - INAA	Cs ppm 0.5 milled - INAA	Eu ppm 1 milled - INAA	Fe % 0.2 milled - INAA	Hf ppm 1 milled - INAA	Ir ppb 50 milled - INAA	La ppm 2 milled - INAA	Lu ppm 0.2 milled - INAA	Na % 0.02 milled - INAA	Ni ppm 10 milled - INAA	Rb ppm 5 milled - INAA	Sb ppm 0.1 milled - INAA
132	NS071017	<2	11.0	<2	600	14.0	<5	87	70	7.8	<1	4.2	8	<50	39	0.6	0.79	35	110	0.9
133	NS071019	<2	29.0	<2	390	3.9	<5	43	<20	4.8	<1	1.4	6	<50	12	0.2	2.00	19	120	0.1
134	NS071020	<2	2.4	<2	400	16.0	<5	44	<20	4.0	<1	0.7	7	<50	21	0.3	1.80	<10	110	0.1
135	NS071021	<2	6.1	18	410	2.8	<5	63	32	5.3	1	2.2	9	<50	29	0.4	1.00	<10	97	0.5
136	NS071022	<2	15.0	<2	370	30.0	<5	40	22	8.1	<1	2.0	6	<50	21	0.3	1.20	10	150	0.3
137	NS071023	<2	6.3	<2	360	4.7	<5	49	56	2.8	<1	2.5	8	<50	20	0.4	1.10	14	81	0.6
138	NS071024	<2	12.0	<2	540	6.7	<5	77	96	9.4	<1	4.4	6	<50	39	0.4	0.45	36	140	0.8
139	NS071025	<2	12.0	<2	230	10.0	<5	52	27	2.9	<1	2.7	8	<50	22	0.5	0.78	19	57	0.6
140	NS071026																			
141	NS071027	<2	13.0	<2	360	57.1	<5	60	58	7.3	1	4.5	7	<50	23	0.4	0.61	<10	87	1.7
142	NS071028	<2	6.1	3	370	28.0	<5	49	48	3.2	<1	3.3	8	<50	23	0.4	1.40	33	65	0.8
143	NS071029	<2	17.0	3	530	26.0	<5	93	79	4.6	<1	5.1	8	<50	37	0.6	0.77	56	120	0.8
144	NS071030	<2	2.4	<2	490	22.0	<5	60	<20	7.1	<1	3.0	6	<50	21	0.5	1.80	<10	94	0.6
145	NS071031	<2	11.0	<2	560	0.8	<5	95	84	6.4	2	4.0	8	<50	46	0.7	0.75	51	120	0.8
146	NS071032	<2	30.0	<2	510	21.0	<5	69	49	3.9	<1	4.0	8	<50	36	0.5	1.10	18	70	0.6
147	NS071033	<2	7.9	130	500	30.0	<5	100	61	7.6	2	3.9	8	<50	40	0.5	1.20	33	79	0.4
148	NS071034	<2	11.0	<2	470	1.1	<5	91	81	6.3	2	4.0	8	<50	42	0.7	1.00	32	110	0.9
149	NS071036	<2	20.0	<2	580	56.4	<5	100	88	5.5	<1	7.0	7	<50	50	0.6	0.91	46	140	1.0
150	NS071037	<2	9.4	<2	370	35.0	<5	48	140	8.0	<1	7.4	6	<50	24	0.4	1.30	84	56	0.8
151	NS071038	<2	5.7	3	260	2.5	<5	67	63	4.2	<1	3.2	8	<50	30	0.5	0.82	22	85	0.6
152	NS071039	<2	13.0	<2	400	17.0	<5	67	77	5.0	<1	4.3	9	<50	36	0.5	0.94	23	130	0.7
153	NS071040	<2	13.0	3	550	10.0	<5	99	99	7.2	<1	5.0	9	<50	47	0.6	0.89	51	130	0.8
154	NS071041	<2	21.0	<2	320	78.9	<5	68	27	5.7	1	4.5	5	<50	30	0.3	0.67	<10	75	0.5
155	NS071042	<2	10.0	<2	370	34.0	<5	71	81	2.8	<1	3.5	9	<50	27	0.5	1.30	21	60	0.4
156	NS071043	<2	18.0	<2	540	6.0	<5	67	56	4.4	<1	3.4	6	<50	28	0.3	1.30	<10	110	0.4
157	NS071044	<2	14.0	<2	490	12.0	<5	53	73	6.0	<1	4.0	7	<50	15	0.4	1.20	27	90	0.3
158	NS071045	<2	7.2	3	350	9.0	<5	47	39	5.2	<1	3.0	5	<50	20	0.4	1.50	37	89	<0.1
159	NS071046	<2	2.0	<2	270	18.0	<5	61	35	2.5	<1	1.8	9	<50	29	0.4	2.13	23	52	0.1
160	NS071047	<2	5.7	<2	330	14.0	<5	34	46	1.8	<1	2.6	7	<50	17	0.4	1.60	22	46	0.2
161	NS071048	<2	225.0	2	490	11.0	<5	40	61	2.1	<1	3.3	5	<50	20	0.4	1.30	26	52	0.2
162	NS071049	<2	27.0	<2	470	79.7	<5	42	110	4.9	<1	5.5	5	<50	24	0.5	1.40	46	76	0.4
163	NS071050	<2	9.0	5	500	28.0	<5	65	68	3.8	<1	3.2	7	<50	30	0.5	1.00	26	99	0.6
164	NS071052	<2	44.0	<2	610	19.0	<5	67	97	11.0	2	7.4	5	<50	29	0.4	0.94	45	120	1.4
165	NS071053	<2	12.0	<2	470	1.7	<5	63	49	5.6	<1	3.4	7	<50	29	0.4	1.10	26	110	0.5
166	NS071054	<2	17.0	<2	550	9.3	<5	89	77	7.9	3	4.3	5	<50	41	0.5	1.20	49	130	0.6
167	NS071055	<2	9.5	<2	490	19.0	<5	44	22	5.1	<1	1.9	2	<50	14	0.2	1.60	14	98	0.1
168	NS071056	<2	6.6	4	330	28.0	<5	57	71	5.1	<1	3.8	9	<50	31	0.6	0.90	30	75	0.4
169	NS071057	<2	13.0	<2	550	1.3	<5	70	58	4.4	2	3.4	9	<50	34	0.5	0.50	<10	75	0.8
170	PE071001	<2	7.6	3	300	2.9	<5	84	40	3.5	<1	2.5	10	<50	40	0.4	0.46	16	72	0.7
171	PE071002	<2	8.0	<2	360	5.1	<5	91	47	3.7	<1	2.7	9	<50	41	0.4	0.47	25	72	0.7
172	PE071003	<2	7.1	<2	370	3.0	<5	74	36	3.5	<1	2.4	7	<50	37	0.3	0.33	19	93	0.7
173	PE071004	<2	7.7	<2	350	4.9	<5	86	51	3.3	4	2.5	6	<50	40	0.3	0.22	<10	64	0.8
174	PE071005	<2	7.9	<2	330	12.0	<5	86	37	3.4	<1	2.7	6	<50	41	0.3	0.34	26	83	0.7
175	PE071006	<2	8.8	<2	430	0.9	<5	82	60	4.8	3	3.5	7	<50	37	0.5	1.20	37	97	0.6

C-horizon
<2 mm fraction
INAA

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable Unit Min. Detection Limit Sample Preparation Dissolution Instrumentation		Sc ppm 0.2 milled -	Se ppm 5 milled -	Sm ppm 0.1 milled -	Sn ppm 100 milled -	Ta ppm 0.5 milled -	Tb ppm 0.5 milled -	Te ppm 10 milled -	Th ppm 0.2 milled -	Ti ppm 500 milled -	U ppm 0.2 milled -	W ppm 1 milled -	Wt g - milled -	Yb ppm 2 milled -	Zn ppm 100 milled -	Zr ppm 200 milled -
		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
132	NS071017	15.0	<5	7.0	<100	1.8	0.9	<10	12.0	6100	3.0	3	7.38	3	<100	<200
133	NS071019	4.7	<5	2.7	<100	<0.5	<0.5	<10	5.4	2000	1.6	<1	10.99	<2	110	<200
134	NS071020	2.7	<5	4.2	<100	0.8	<0.5	<10	7.9	1600	1.8	2	9.8	<2	<100	<200
135	NS071021	8.3	<5	6.0	<100	1.0	0.7	<10	10.0	3600	3.2	<1	11.58	2	<100	270
136	NS071022	5.9	<5	3.8	<100	1.2	<0.5	<10	7.3	3400	4.2	4	10.22	<2	<100	<200
137	NS071023	8.3	<5	3.6	<100	0.8	0.5	<10	7.4	3600	1.9	1	10.17	2	<100	<200
138	NS071024	16.0	<5	5.4	<100	1.6	0.5	<10	12.0	5200	2.9	<1	8.01	2	<100	<200
139	NS071025	8.0	<5	3.4	<100	0.6	0.5	<10	7.1	4200	1.9	1	10.38	2	<100	<200
140	NS071026															
141	NS071027	15.0	<5	4.7	<100	1.1	0.7	<10	10.0	5700	2.0	3	7.83	3	310	<200
142	NS071028	11.0	<5	4.2	<100	1.7	0.7	<10	7.9	4400	2.0	2	7.76	2	<100	<200
143	NS071029	15.0	<5	5.9	<100	0.6	0.6	<10	11.0	5200	2.8	2	8.92	3	<100	<200
144	NS071030	11.0	<5	3.7	<100	0.8	0.6	<10	10.0	4500	2.9	<1	8.49	2	<100	<200
145	NS071031	15.0	<5	10.0	<100	1.1	1.1	<10	12.0	4900	2.7	2	9.04	3	<100	<200
146	NS071032	10.0	<5	5.3	<100	1.5	0.8	<10	10.0	4500	2.5	2	8.92	3	<100	<200
147	NS071033	14.0	<5	6.9	<100	1.1	0.8	<10	10.0	5000	2.5	2	10.62	2	<100	<200
148	NS071034	15.0	<5	7.9	<100	1.4	0.8	<10	11.0	5900	3.0	3	9.14	3	<100	<200
149	NS071036	19.0	<5	7.9	<100	1.4	0.8	<10	14.0	6000	3.0	<1	9.71	3	190	<200
150	NS071037	21.2	<5	4.3	<100	1.2	0.8	<10	5.7	7500	1.5	<1	9.15	2	210	<200
151	NS071038	12.0	<5	4.5	<100	1.5	<0.5	<10	10.0	5400	2.1	2	10.02	3	110	<200
152	NS071039	12.0	<5	4.8	<100	2.0	0.8	<10	10.0	6200	2.6	<1	9.47	3	<100	<200
153	NS071040	17.0	<5	8.0	<100	1.6	0.9	<10	14.0	6100	2.9	2	9.56	4	110	<200
154	NS071041	5.3	<5	5.7	<100	0.7	0.5	<10	5.6	2200	2.0	<1	7.86	<2	<100	<200
155	NS071042	10.0	<5	4.9	<100	1.2	<0.5	<10	8.6	4800	2.1	<1	10.48	3	140	<200
156	NS071043	8.1	<5	4.7	<100	1.5	<0.5	<10	7.8	3200	2.0	<1	9.11	<2	<100	<200
157	NS071044	14.0	<5	2.8	<100	1.3	<0.5	<10	8.0	6400	1.9	2	9.78	3	<100	<200
158	NS071045	11.0	<5	4.0	<100	1.1	0.6	<10	7.4	3700	1.8	1	10.28	3	<100	<200
159	NS071046	7.4	<5	5.1	<100	1.4	0.6	<10	10.0	3800	2.1	<1	10.36	2	<100	<200
160	NS071047	11.0	<5	3.7	<100	1.0	0.6	<10	5.1	6900	1.1	<1	13.69	2	<100	<200
161	NS071048	12.0	<5	3.7	<100	0.8	<0.5	<10	5.8	5500	1.3	2	11.29	2	<100	<200
162	NS071049	19.0	<5	4.4	<100	1.4	0.6	<10	7.5	6100	1.7	<1	10.61	3	<100	<200
163	NS071050	11.0	<5	5.3	<100	1.1	0.6	<10	11.0	5100	2.1	2	10.97	3	<100	<200
164	NS071052	18.0	<5	7.5	<100	1.2	0.8	<10	15.0	5500	3.7	2	7.67	3	<100	<200
165	NS071053	12.0	<5	5.0	<100	1.3	0.6	<10	10.0	4500	2.5	1	11.02	2	<100	<200
166	NS071054	15.0	<5	7.5	<100	0.9	0.9	<10	11.0	4700	2.6	2	7.96	3	<100	<200
167	NS071055	5.9	<5	3.7	<100	0.6	0.5	<10	6.0	1600	1.7	<1	11.23	<2	<100	<200
168	NS071056	14.0	<5	5.3	<100	0.8	0.8	<10	7.5	5700	2.1	2	8.52	3	<100	<200
169	NS071057	11.0	<5	6.6	<100	1.2	0.6	<10	9.0	4700	2.3	2	8.04	3	<100	<200
170	PE071001	8.0	<5	6.2	<100	0.9	0.6	<10	8.5	5700	1.8	2	10.61	2	<100	<200
171	PE071002	7.7	<5	6.3	<100	1.3	0.8	<10	9.1	5700	1.7	<1	10.86	2	<100	<200
172	PE071003	7.7	<5	5.3	<100	1.0	<0.5	<10	7.7	5600	1.7	2	9.05	<2	<100	360
173	PE071004	7.3	<5	5.7	<100	1.1	<0.5	<10	6.9	5900	1.6	<1	8.01	<2	<100	<200
174	PE071005	7.8	<5	5.7	<100	0.9	<0.5	<10	8.2	5600	1.4	1	9.25	<2	<100	<200
175	PE071006	13.0	<5	7.2	<100	1.2	1.0	<10	9.2	4700	2.3	1	9.3	3	<100	<200

C-horizon
<2 mm fraction
INAA

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable		Ag	As	Au	Ba	Br	Cd	Ce	Cr	Cs	Eu	Fe	Hf	Ir	La	Lu	Na	Ni	Rb	Sb
Unit		ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	%	ppm	ppm	ppm
Min. Detection Limit		2	0.5	2	50	0.5	5	5	20	0.5	1	0.2	1	50	2	0.2	0.02	10	5	0.1
Sample Preparation		milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled
Dissolution		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Instrumentation		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
176	PE071007	<2	6.9	<2	400	1.4	<5	65	53	4.5	1	3.2	7	<50	32	0.5	1.20	32	100	0.6
177	PE071008	<2	6.8	<2	420	0.9	<5	63	45	3.3	1	2.8	7	<50	31	0.4	1.10	20	97	0.6
178	PE071009	<2	8.9	<2	350	2.2	<5	58	61	4.8	<1	3.6	7	<50	29	0.4	1.00	18	100	0.7

C-horizon
<2 mm fraction
INAA

North American Geochemical Soil Landscapes Project
Soil Geochemistry Data

Variable		Sc	Se	Sm	Sn	Ta	Tb	Te	Th	Ti	U	W	Wt	Yb	Zn	Zr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm
Min. Detection Limit		0.2	5	0.1	100	0.5	0.5	10	0.2	500	0.2	1	-	2	100	200
Sample Preparation		milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled	milled
Dissolution		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Instrumentation		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
176	PE071007	12.0	<5	5.4	<100	1.1	0.6	<10	9.4	5000	2.3	<1	8.96	3	<100	<200
177	PE071008	10.0	<5	4.5	<100	1.3	0.5	<10	8.3	4500	2.1	2	11.02	2	<100	<200
178	PE071009	12.0	<5	4.1	<100	1.3	<0.5	<10	9.3	5100	2.2	<1	9.41	3	<100	490