

# North American Soil Geochemical Landscapes Project

## Summary Statistics - Soil Carbon Content Data

Variable Unit Sample Preparation	C (Total) % milled	C (Inorganic) % milled	C (Organic) % milled	LOI (500°C) % milled
Number of Samples	177	177	177	177
Arithmetic Mean	18.17	0.24	17.93	37.42
Median	13.51	0.07	13.41	27.85
Variance	158.88	0.29	151.43	620.90
Standard Deviation	12.60	0.54	12.31	24.92
Skewness	0.90	4.62	0.87	0.91
Kurtosis	-0.31	24.92	-0.39	-0.29
Percentiles				
Minimum Value	1.61	<0.01	1.60	4.60
5th Percentile	4.15	<0.01	4.12	9.82
10th Percentile	5.47	<0.01	5.46	12.81
15th Percentile	6.67	0.01	6.58	15.14
25th Percentile	8.41	0.03	8.40	17.26
35th Percentile	9.74	0.04	9.73	21.34
50th Percentile	13.51	0.07	13.41	27.85
65th Percentile	21.40	0.11	21.31	42.41
70th Percentile	22.50	0.17	22.21	47.42
75th Percentile	25.81	0.23	25.05	49.56
80th Percentile	28.78	0.26	28.56	57.36
90th Percentile	40.67	0.46	40.53	82.95
95th Percentile	44.42	1.15	42.43	90.04
98th Percentile	46.24	1.99	44.84	92.59
99th Percentile	46.55	3.14	45.65	93.93
Maximum Value	48.31	4.13	47.73	95.53

**PH Layer**  
**<2 mm fraction**

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1	NB071001	45.17	2.07	43.10	86.05
2	NB071002	27.14	0.05	27.09	53.52
3	NB071003	3.65	0.01	3.64	8.53
4	NB071004	12.38	0.07	12.31	26.94
5	NB071005	16.40	0.10	16.30	34.11
6	NB071007	26.90	0.29	26.61	55.55
7	NB071009	7.20	0.03	7.17	15.05
8	NB071010	12.02	0.27	11.75	25.16
9	NB071011	44.74	0.13	44.61	90.20
10	NB071012	19.92	0.08	19.84	39.79
11	NB071013	11.26	0.34	10.92	21.10
12	NB071014	21.40	0.07	21.33	42.41
13	NB071015	18.61	0.07	18.54	38.16
14	NB071016	7.39	0.02	7.37	16.16
15	NB071017	11.57	0.06	11.51	25.82
16	NB071018	17.23	0.04	17.19	37.77
17	NB071019	9.09	0.12	8.97	19.12
18	NB071020	11.21	0.06	11.15	23.07
19	NB071021	11.69	0.01	11.68	24.77
20	NB071022	38.59	0.40	38.19	75.90
21	NB071023	15.40	0.17	15.23	32.95
22	NB071024	13.51	0.06	13.45	27.85
23	NB071025	13.54	0.03	13.51	27.39
24	NB071027	5.94	0.05	5.89	14.76
25	NB071028	7.39	0.06	7.33	17.26
26	NB071029	9.63	0.03	9.60	23.87
27	NB071030	22.27	0.33	21.94	48.56
28	NB071031	23.96	0.22	23.74	48.64
29	NB071032	21.40	0.10	21.30	42.54
30	NB071033	31.02	0.05	30.97	61.37
31	NB071034	8.14	0.03	8.11	15.75
32	NB071035	10.45	<0.01	10.45	20.73
33	NB071036	18.81	0.05	18.76	22.67
34	NB071037	43.64	3.14	40.50	90.52
35	NB071038	5.15	0.07	5.08	12.07
36	NB071039	5.37	0.03	5.34	11.34
37	NB071040	9.29	0.07	9.22	18.88
38	NB071041	44.33	1.32	43.01	90.97
39	NB071042	44.34	3.14	41.20	89.21
40	NB071043	6.32	0.03	6.29	15.34
41	NB071044	18.62	0.10	18.52	38.37
42	NB071045	19.91	0.09	19.82	38.84
43	NB071046	5.01	<0.01	5.01	11.98
44	NB071047	15.18	0.04	15.14	31.35
45	NB071048	12.36	0.23	12.13	24.24
46	NB071049	12.22	0.08	12.14	23.77
47	NB071050	9.32	0.05	9.27	20.94
48	NB071051	21.79	0.25	21.54	44.64

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49	NB071052	12.97	0.43	12.54	26.73
50	NB071054	9.61	0.02	9.59	22.42
51	NB071055	30.06	0.36	29.70	61.79
52	NB071056	36.28	0.10	36.18	74.51
53	NB072001	8.83	<0.01	8.83	17.56
54	NB072002	10.95	0.09	10.86	23.10
55	NB072003	9.52	0.11	9.41	21.00
56	NB072004	13.07	0.02	13.05	27.16
57	NB072005	35.73	0.63	35.10	71.52
58	NB072006	15.46	0.07	15.39	33.40
59	NB072007	22.21	0.45	21.76	47.93
60	NB072009	45.60	0.51	45.09	90.00
61	NB072010	17.27	0.11	17.16	36.71
62	NB072011	32.33	0.31	32.02	65.66
63	NB072012	22.04	0.04	22.00	44.83
64	NB072013	38.10	0.07	38.03	77.11
65	NB072014	23.45	0.07	23.38	48.51
66	NB072015	16.22	0.05	16.17	39.34
67	NB072016	27.58	0.28	27.30	55.64
68	NB072017	41.43	0.09	41.34	82.53
69	NB072018	46.08	1.91	44.17	93.81
70	NB072019	45.69	1.41	44.28	93.09
71	NB072020	15.51	0.41	15.10	30.35
72	NB072021	5.64	<0.01	5.64	11.45
73	NB072022	21.85	<0.01	21.85	45.70
74	NB072023	34.69	0.21	34.48	70.42
75	NB072024	25.81	1.14	24.67	49.56
76	NB072026	15.42	0.04	15.38	31.09
77	NB072027	28.24	<0.01	28.24	40.79
78	NB072028	28.91	0.27	28.64	56.76
79	NB072029	24.53	0.05	24.48	48.17
80	NB072030	2.82	<0.01	2.82	5.71
81	NB072031	46.46	0.86	45.60	92.14
82	NB072032	8.37	0.11	8.26	17.06
83	NB072033	21.06	0.04	21.02	43.27
84	NB072034	40.58	<0.01	40.58	81.81
85	NB072035	40.60	0.37	40.23	83.57
86	NB072036	12.59	0.18	12.41	27.10
87	NB072037	12.75	0.09	12.66	28.46
88	NB072038	24.29	0.25	24.04	49.42
89	NB072039	18.54	0.19	18.35	38.48
90	NB072040	33.95	0.25	33.70	69.52
91	NB072041	22.98	0.26	22.72	47.54
92	NB072042	16.09	0.16	15.93	33.60
93	NB072043	14.67	0.14	14.53	32.24
94	NB072044	9.96	0.07	9.89	20.71
95	NB072045	9.90	0.03	9.87	19.56
96	NB072046	40.77	0.05	40.72	84.64

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97	NB072047	8.39	0.03	8.36	16.99
98	NB072048	34.92	0.33	34.59	70.36
99	NB072050	46.84	1.02	45.82	94.30
100	NB072051	14.04	0.06	13.98	28.70
101	NB072052	21.44	0.06	21.38	42.41
102	NB072053	22.33	0.17	22.16	47.10
103	NB072054	13.58	0.17	13.41	29.07
104	NB072055	31.25	0.07	31.18	64.00
105	NB072056	25.94	0.04	25.90	53.12
106	NB072057	25.40	0.35	25.05	52.07
107	NB072058	16.14	0.23	15.91	35.68
108	NB072059	23.12	0.07	23.05	47.38
109	NB072060	42.34	0.47	41.87	86.71
110	NB072061	31.00	0.23	30.77	62.70
111	NB072062	22.43	0.03	22.40	47.35
112	NB072063	46.41	4.13	42.28	90.30
113	NB072064	13.33	0.07	13.26	26.54
114	NB072065	15.83	0.05	15.78	33.40
115	NB072066	41.30	0.23	41.07	87.69
116	NS071001	22.80	1.34	21.46	47.65
117	NS071002	7.70	0.07	7.63	16.73
118	NS071003	6.72	0.16	6.56	13.22
119	NS071004	4.20	<0.01	4.20	10.48
120	NS071005	6.90	0.06	6.84	15.17
121	NS071006	7.24	<0.01	7.24	16.14
122	NS071007	12.26	0.12	12.14	24.98
123	NS071008	3.90	<0.01	3.90	9.86
124	NS071009	48.31	0.58	47.73	95.53
125	NS071010	3.97	<0.01	3.97	8.79
126	NS071011	4.65	<0.01	4.65	11.38
127	NS071012	29.30	0.11	29.19	60.83
128	NS071013	9.07	0.03	9.04	18.12
129	NS071014	7.09	<0.01	7.09	15.31
130	NS071015	12.03	0.03	12.00	28.33
131	NS071016	26.05	0.07	25.98	54.53
132	NS071017	5.89	0.02	5.87	14.52
133	NS071019	8.06	<0.01	8.06	16.95
134	NS071020	12.32	0.03	12.29	23.87
135	NS071021	5.89	<0.01	5.89	14.61
136	NS071022	4.24	0.08	4.16	9.66
137	NS071023	42.97	0.89	42.08	87.91
138	NS071024	3.90	<0.01	3.90	8.61
139	NS071025	7.24	0.24	7.00	14.94
140	NS071026	11.37	0.27	11.10	23.47
141	NS071027	12.91	0.05	12.86	26.41
142	NS071028	9.31	0.01	9.30	20.75
143	NS071029	9.22	0.02	9.20	20.50
144	NS071030	15.05	0.03	15.02	35.21

**PH Layer**  
**<2 mm fraction**

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145	NS071031	6.64	0.03	6.61	15.27
146	NS071032	8.41	0.01	8.40	18.73
147	NS071033	29.03	0.23	28.80	58.17
148	NS071034	8.71	0.04	8.67	21.79
149	NS071036	5.26	<0.01	5.26	15.13
150	NS071037	5.70	0.02	5.68	15.44
151	NS071038	5.25	0.02	5.23	12.36
152	NS071039	9.44	0.12	9.32	19.98
153	NS071040	6.72	0.02	6.70	16.96
154	NS071041	36.04	0.07	35.97	71.66
155	NS071042	5.31	<0.01	5.31	10.97
156	NS071043	3.50	0.03	3.47	8.72
157	NS071044	5.54	<0.01	5.54	13.11
158	NS071045	6.84	0.03	6.81	16.93
159	NS071046	12.40	0.02	12.38	26.44
160	NS071047	7.89	0.03	7.86	16.83
161	NS071048				
162	NS071049	12.53	0.02	12.51	26.13
163	NS071050	42.60	0.88	41.72	86.14
164	NS071052	9.61	0.05	9.56	20.21
165	NS071053	2.96	<0.01	2.96	6.86
166	NS071054	7.18	0.01	7.17	15.89
167	NS071055	9.81	<0.01	9.81	21.50
168	NS071056	8.57	0.02	8.55	22.66
169	NS071057	15.27	0.04	15.23	31.80
170	PE071001	2.33	<0.01	2.33	5.90
171	PE071002	8.95	<0.01	8.95	20.01
172	PE071003	8.41	<0.01	8.41	17.01
173	PE071004	9.07	0.26	8.81	17.68
174	PE071005	11.76	0.18	11.58	23.41
175	PE071006	27.95	0.40	27.55	57.51
176	PE071007	1.61	0.01	1.60	4.60
177	PE071008	6.30	0.01	6.29	13.85
178	PE071009	26.64	1.18	25.46	53.85