

# North American Soil Geochemical Landscapes Project

## Summary Statistics - Carbon Content Data

Variable Unit	C (Total) %	C (Inorganic) %	C (Organic) %	LOI (500°C) %
Number of Samples	176	176	176	176
Arithmetic Mean	1.55	<0.01	1.54	6.40
Median	0.96	<0.01	0.96	4.63
Variance	2.88	0.00	2.87	29.76
Standard Deviation	1.70	0.02	1.69	5.45
Skewness	2.15	5.07	2.15	2.62
Kurtosis	5.18	35.14	5.16	8.69
Percentiles				
Minimum Value	0.01	<0.01	0.01	1.08
5th Percentile	0.14	<0.01	0.14	2.19
10th Percentile	0.16	<0.01	0.16	2.40
15th Percentile	0.24	<0.01	0.24	2.66
25th Percentile	0.38	<0.01	0.38	3.01
35th Percentile	0.55	<0.01	0.55	3.42
50th Percentile	0.96	<0.01	0.96	4.63
65th Percentile	1.56	<0.01	1.56	6.21
70th Percentile	1.75	<0.01	1.75	6.65
75th Percentile	2.02	<0.01	1.99	7.54
80th Percentile	2.37	0.01	2.36	8.91
90th Percentile	3.33	0.02	3.30	12.16
95th Percentile	5.13	0.03	5.13	16.19
98th Percentile	7.74	0.05	7.69	23.05
99th Percentile	8.16	0.07	8.13	28.90
Maximum Value	8.49	0.15	8.46	36.14

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Variable Unit		C (Total) %	C (Inorganic) %	C (Organic) %	LOI (500°C) %
1	NB071001	0.95	<0.01	0.95	3.89
2	NB071002	0.13	<0.01	0.13	3.41
3	NB071003	0.54	<0.01	0.54	3.62
4	NB071004	1.10	<0.01	1.10	5.78
5	NB071005	0.49	<0.01	0.49	2.67
6	NB071007	2.60	0.03	2.57	8.55
7	NB071009	0.27	<0.01	0.27	3.15
8	NB071010	1.59	<0.01	1.59	6.61
9	NB071011	1.67	0.04	1.63	6.15
10	NB071012	0.48	<0.01	0.48	3.04
11	NB071013	0.67	<0.01	0.67	4.32
12	NB071014	3.27	0.02	3.25	12.01
13	NB071015	2.01	0.01	2.00	5.89
14	NB071016	2.99	0.03	2.96	10.04
15	NB071017	1.41	0.01	1.40	4.77
16	NB071018	0.08	<0.01	0.08	2.03
17	NB071019	0.62	<0.01	0.62	4.63
18	NB071020	1.12	0.03	1.09	4.51
19	NB071021	0.34	<0.01	0.34	2.61
20	NB071022	2.19	0.01	2.18	7.46
21	NB071023	1.30	0.02	1.28	4.80
22	NB071024	0.92	0.01	0.91	3.57
23	NB071025	1.23	<0.01	1.23	4.80
24	NB071027	0.78	<0.01	0.78	3.38
25	NB071028	0.37	<0.01	0.37	2.19
26	NB071029	1.71	<0.01	1.71	6.55
27	NB071030	0.32	<0.01	0.32	2.75
28	NB071031	3.80	0.02	3.78	13.28
29	NB071032	0.66	<0.01	0.66	4.62
30	NB071033	0.43	<0.01	0.43	3.63
31	NB071034	0.18	<0.01	0.18	2.67
32	NB071035	0.78	0.01	0.77	3.58
33	NB071036	0.15	<0.01	0.15	2.41
34	NB071037	0.15	<0.01	0.15	3.01
35	NB071038	0.63	<0.01	0.63	3.10
36	NB071039	0.27	<0.01	0.27	2.63
37	NB071040	2.71	<0.01	2.71	9.33
38	NB071041	0.14	<0.01	0.14	2.27
39	NB071042	3.99	<0.01	3.99	15.45
40	NB071043	0.96	<0.01	0.96	4.75
41	NB071044	2.59	<0.01	2.59	7.76
42	NB071045	1.52	<0.01	1.52	6.94
43	NB071046	0.49	<0.01	0.49	2.71
44	NB071047	0.29	<0.01	0.29	3.30
45	NB071048	0.23	<0.01	0.23	2.71
46	NB071049	0.38	<0.01	0.38	3.01
47	NB071050	0.88	<0.01	0.88	4.45
48	NB071051	0.67	<0.01	0.67	3.26
49	NB071052	1.48	<0.01	1.48	5.12

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Variable Unit		C (Total) %	C (Inorganic) %	C (Organic) %	LOI (500°C) %
50	NB071054	1.18	<0.01	1.18	4.42
51	NB071055	8.35	0.03	8.32	36.14
52	NB071056	2.69	<0.01	2.69	9.99
53	NB072001	0.54	<0.01	0.54	3.51
54	NB072002	0.47	<0.01	0.47	3.06
55	NB072003	0.55	<0.01	0.55	3.35
56	NB072004	3.16	<0.01	3.16	11.48
57	NB072005	1.53	<0.01	1.53	8.40
58	NB072006	1.63	<0.01	1.63	6.88
59	NB072007	0.50	<0.01	0.50	3.47
60	NB072009	0.67	<0.01	0.67	3.61
61	NB072010	0.87	<0.01	0.87	4.85
62	NB072011	0.56	<0.01	0.56	3.65
63	NB072012	1.21	0.02	1.19	5.54
64	NB072013	1.91	<0.01	1.91	9.67
65	NB072014	1.39	0.01	1.38	4.63
66	NB072015	2.09	0.01	2.08	11.70
67	NB072016	5.74	<0.01	5.74	18.68
68	NB072017	1.78	<0.01	1.78	7.19
69	NB072018	2.17	0.01	2.16	7.86
70	NB072019	1.99	<0.01	1.99	6.56
71	NB072020	3.65	<0.01	3.65	12.31
72	NB072021	0.96	<0.01	0.96	4.60
73	NB072022	0.38	<0.01	0.38	3.45
74	NB072023	0.70	<0.01	0.70	3.59
75	NB072024	1.22	<0.01	1.22	6.48
76	NB072026	1.93	<0.01	1.93	7.97
77	NB072027	0.22	<0.01	0.22	2.26
78	NB072028	1.43	<0.01	1.43	5.95
79	NB072029	0.65	0.01	0.64	3.14
80	NB072030	2.92	<0.01	2.92	13.46
81	NB072031	3.32	<0.01	3.32	13.99
82	NB072032	0.37	<0.01	0.37	2.88
83	NB072033	0.62	0.02	0.60	3.72
84	NB072034	3.05	0.01	3.04	9.88
85	NB072035	2.98	<0.01	2.98	9.20
86	NB072036	7.81	0.01	7.80	23.20
87	NB072037	1.87	0.04	1.83	6.01
88	NB072038	8.49	0.03	8.46	27.99
89	NB072039	2.16	<0.01	2.16	7.19
90	NB072040	5.20	0.01	5.19	16.18
91	NB072041	1.52	0.02	1.50	5.43
92	NB072042	0.88	<0.01	0.88	3.83
93	NB072043	1.57	<0.01	1.57	5.49
94	NB072044	1.48	0.01	1.47	5.95
95	NB072045	0.28	<0.01	0.28	2.98
96	NB072046	0.25	<0.01	0.25	3.07
97	NB072047	0.26	<0.01	0.26	2.60
98	NB072048	0.28	<0.01	0.28	2.38

**C-horizon**  
**<63 um fraction**

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Variable Unit		C (Total) %	C (Inorganic) %	C (Organic) %	LOI (500°C) %
99	NB072050	0.38	<0.01	0.38	3.76
100	NB072051	1.07	<0.01	1.07	5.27
101	NB072052	0.47	<0.01	0.47	3.15
102	NB072053	3.73	<0.01	3.73	12.61
103	NB072054	0.35	<0.01	0.35	2.32
104	NB072055	4.51	<0.01	4.51	16.22
105	NB072056	1.61	<0.01	1.61	5.92
106	NB072057	6.52	0.02	6.50	21.27
107	NB072058	1.68	<0.01	1.68	6.99
108	NB072059	3.04	0.01	3.03	11.54
109	NB072060	1.68	<0.01	1.68	6.70
110	NB072061	2.37	0.04	2.33	9.05
111	NB072062	3.33	0.06	3.27	10.97
112	NB072063	2.86	<0.01	2.86	9.43
113	NB072064	1.41	<0.01	1.41	6.55
114	NB072065	2.05	0.02	2.03	7.30
115	NB072066	5.11	<0.01	5.11	15.61
116	NS071001	0.20	<0.01	0.20	2.73
117	NS071002	2.52	0.01	2.51	8.69
118	NS071003	0.36	<0.01	0.36	2.18
119	NS071004	0.08	<0.01	0.08	2.18
120	NS071005	0.16	<0.01	0.16	2.84
121	NS071006	0.07	<0.01	0.07	2.89
122	NS071007	0.15	<0.01	0.15	2.73
123	NS071008				
124	NS071009	2.37	0.01	2.36	14.10
125	NS071010	0.18	<0.01	0.18	3.77
126	NS071011	0.40	<0.01	0.40	2.74
127	NS071012	2.33	<0.01	2.33	7.76
128	NS071013	0.49	<0.01	0.49	2.98
129	NS071014	1.12	<0.01	1.12	4.68
130	NS071015	0.53	<0.01	0.53	3.31
131	NS071016	0.88	0.02	0.86	5.05
132	NS071017	1.85	<0.01	1.85	6.30
133	NS071019	0.93	<0.01	0.93	4.94
134	NS071020	1.92	<0.01	1.92	6.34
135	NS071021	0.34	<0.01	0.34	2.54
136	NS071022	3.57	<0.01	3.57	10.91
137	NS071023	0.48	<0.01	0.48	2.66
138	NS071024	0.50	<0.01	0.50	3.84
139	NS071025	0.57	<0.01	0.57	3.19
140	NS071026				
141	NS071027	2.66	<0.01	2.66	8.22
142	NS071028	1.47	<0.01	1.47	5.21
143	NS071029	1.80	<0.01	1.80	7.04
144	NS071030	2.86	<0.01	2.86	9.07
145	NS071031	0.14	<0.01	0.14	2.85
146	NS071032	1.35	<0.01	1.35	5.16
147	NS071033	1.61	0.03	1.58	6.23

**C-horizon**  
**<63 um fraction**

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	Variable Unit	C (Total) %	C (Inorganic) %	C (Organic) %	LOI (500°C) %
148	NS071034	0.10	<0.01	0.10	2.28
149	NS071036	6.48	0.01	6.47	22.05
150	NS071037	3.19	<0.01	3.19	10.79
151	NS071038	0.14	<0.01	0.14	1.80
152	NS071039	0.88	0.01	0.87	3.79
153	NS071040	0.54	<0.01	0.54	2.25
154	NS071041	7.66	0.08	7.58	22.91
155	NS071042	1.47	<0.01	1.47	5.38
156	NS071043	0.82	0.01	0.81	6.16
157	NS071044	0.61	<0.01	0.61	3.18
158	NS071045	1.02	<0.01	1.02	4.48
159	NS071046	0.59	<0.01	0.59	2.65
160	NS071047	0.30	0.01	0.29	1.35
161	NS071048	0.91	0.15	0.76	2.86
162	NS071049	3.86	0.03	3.83	11.53
163	NS071050	1.50	<0.01	1.50	5.75
164	NS071052	2.04	0.07	1.97	8.91
165	NS071053	0.21	<0.01	0.21	2.87
166	NS071054	0.69	<0.01	0.69	4.16
167	NS071055	8.09	0.03	8.06	31.63
168	NS071056	1.45	<0.01	1.45	6.56
169	NS071057	0.16	<0.01	0.16	3.17
170	PE071001	0.10	<0.01	0.10	1.61
171	PE071002	0.16	<0.01	0.16	1.08
172	PE071003	0.15	<0.01	0.15	1.76
173	PE071004	0.22	<0.01	0.22	2.43
174	PE071005	0.50	<0.01	0.50	3.15
175	PE071006	0.01	<0.01	0.01	2.52
176	PE071007	0.05	<0.01	0.05	1.97
177	PE071008	0.07	<0.01	0.07	2.34
178	PE071009	0.15	<0.01	0.15	2.35