

# North American Soil Geochemical Landscapes Project

## Summary Statistics - Soil Physical Properties Data

Variable Unit	Water Content %	Bulk Density g/cm3
Sample Preparation	-	-
Number of Samples	175	161
Arithmetic Mean	18.86	1.82
Median	17.08	1.34
Variance	67.99	1.19
Standard Deviation	8.25	1.09
Skewness	0.77	1.62
Kurtosis	0.63	2.53
Percentiles		
Minimum Value	1.15	0.57
5th Percentile	7.55	0.85
10th Percentile	10.25	0.90
15th Percentile	11.37	1.00
25th Percentile	13.15	1.08
35th Percentile	14.26	1.16
50th Percentile	17.08	1.34
65th Percentile	21.36	1.69
70th Percentile	22.75	2.05
75th Percentile	24.31	2.41
80th Percentile	26.02	2.74
90th Percentile	30.49	3.15
95th Percentile	33.37	4.11
98th Percentile	38.81	4.75
99th Percentile	40.92	5.23
Maximum Value	49.53	6.37

# North American Geochemical Soil Landscapes Project

## Soil Physical Properties Data

Variable Unit Sample Preparation		Water Content %	Bulk Density g/cm3	Munsell Color - -	Color Description -
1	NB071001	32.89		5YR 4/6	yellowish red
2	NB071002	12.07	1.57	5YR 4/3	reddish brown
3	NB071003	10.68	1.42	7.5YR 4/2	brown
4	NB071004	22.45	1.42	10YR 4/3	brown
5	NB071005	33.30	1.21	10YR 4/4	dark yellowish brown
6	NB071007	22.13		7.5YR 4/6	strong brown
7	NB071009	13.71	1.33	5YR 4/3	reddish brown
8	NB071010	5.39	1.46	10YR 4/3	brown
9	NB071011	18.93	1.23	10YR 3/4	dark yellowish brown
10	NB071012	19.79	1.48	7.5YR 5/4	brown
11	NB071013	13.83	1.03	2.5Y 5/6	light olive brown
12	NB071014	8.86	1.29	7.5YR 4/4	brown
13	NB071015	20.72	1.45	10YR 4/4	dark yellowish brown
14	NB071016	21.17	0.97	10YR 4/4	dark yellowish brown
15	NB071017	11.19	1.23	2.5Y 5/4	light olive brown
16	NB071018	17.76	1.72	10R 5/3	weak red
17	NB071019	11.61	1.51	10R 3/3	dusky red
18	NB071020	23.37		7.5YR 2.5/1	black
19	NB071021	24.54	1.26	5YR 4/4	reddish brown
20	NB071022	22.39	1.37	10YR 4/4	dark yellowish brown
21	NB071023	1.15	1.10	2.5Y 5/6	light olive brown
22	NB071024	21.33	1.20	2.5Y 5/4	light olive brown
23	NB071025	13.14	1.32	10YR 5/3	brown
24	NB071027	30.65	0.94	10YR 4/4	dark yellowish brown
25	NB071028	16.05	1.16	10YR 5/4	yellowish brown
26	NB071029	24.35	1.24	10YR 4/4	dark yellowish brown
27	NB071030	14.58	1.50	2.5Y 5/4	light olive brown
28	NB071031				
29	NB071032	10.98	1.34	10YR 6/6	brownish yellow
30	NB071033	25.37		7.5YR 4/3	brown
31	NB071034	10.34	1.65	7.5YR 4/3	brown
32	NB071035	7.36		10YR 5/4	yellowish brown
33	NB071036	11.91	1.70	5YR 4/3	reddish brown
34	NB071037	16.52	2.06	10YR 5/8	yellowish brown
35	NB071038	11.82		7.5YR 4/4	brown
36	NB071039	12.25	2.05	5YR 4/3	reddish brown
37	NB071040	7.01		2.5Y 5/4	light olive brown
38	NB071041	13.45	1.85	7.5YR 5/3	brown
39	NB071042	26.38		10YR 3/4	dark yellowish brown
40	NB071043	11.56		7.5YR 4/4	brown
41	NB071044	15.75		2.5Y 4/3	olive brown
42	NB071045	10.39	1.48	2.5Y 5/4	light olive brown
43	NB071046	14.90	1.49	5YR 5/6	yellowish red
44	NB071047	17.24		7.5YR 4/4	brown
45	NB071048	11.82	1.89	5YR 4/4	reddish brown
46	NB071049	16.00		7.5YR 4/4	brown
47	NB071050	11.35	1.18	7.5YR 4/6	strong brown
48	NB071051	14.95	1.30	7.5YR 4/3	brown

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49	NB071052	5.02	1.67	2.5Y 6/4	light yellowish brown
50	NB071054	13.89	1.10	10YR 5/6	yellowish brown
51	NB071055	49.53	1.01	10YR 3/4	dark yellowish brown
52	NB071056	34.24	1.10	10YR 4/4	dark yellowish brown
53	NB072001	17.88	1.12	10YR 5/4	yellowish brown
54	NB072002	27.38	1.15	2.5Y 5/4	light olive brown
55	NB072003	27.47	1.11	7.5YR 5/4	brown
56	NB072004	27.73	1.09	10YR 5/4	yellowish brown
57	NB072005	31.84	1.02	10YR 5/4	yellowish brown
58	NB072006	16.51	1.38	10YR 3/6	dark yellowish brown
59	NB072007	24.68	0.87	2.5Y 5/3	light olive brown
60	NB072009	26.01	0.99	2.5Y 5/4	light olive brown
61	NB072010	26.70	0.90	10YR 4/4	dark yellowish brown
62	NB072011	17.08	1.22	10YR 4/4	dark yellowish brown
63	NB072012	17.82	1.08	2.5Y 5/4	light olive brown
64	NB072013	12.19	1.04	10YR 3/6	dark yellowish brown
65	NB072014	24.10	1.07	2.5Y 5/4	light olive brown
66	NB072015	33.54	0.71	10YR 3/4	dark yellowish brown
67	NB072016	9.97	1.07	10YR 4/4	dark yellowish brown
68	NB072017	31.31	0.88	5Y 2.5/1	black
69	NB072018	19.07	1.00	2.5Y 5/6	light olive brown
70	NB072019	26.12	0.84	10YR 4/4	dark yellowish brown
71	NB072020	16.23	0.89	10YR 4/6	dark yellowish brown
72	NB072021	26.04	1.27	10YR 4/4	dark yellowish brown
73	NB072022	15.41	1.45	5YR 5/3	reddish brown
74	NB072023	24.27	1.00	5YR 4/3	reddish brown
75	NB072024	19.27	1.02	10YR 4/4	dark yellowish brown
76	NB072026	31.51	1.01	10YR 5/6	yellowish brown
77	NB072027	14.10	1.42	7.5YR 4/3	brown
78	NB072028	36.17	1.13	2.5Y 4/4	olive brown
79	NB072029	26.54	1.12	10YR 4/4	dark yellowish brown
80	NB072030	9.52	1.12	10YR 4/6	dark yellowish brown
81	NB072031	25.61	1.15	7.5YR 4/6	strong brown
82	NB072032	13.22	1.17	10YR 4/4	dark yellowish brown
83	NB072033	15.37	1.16	10YR 4/3	brown
84	NB072034	21.87	0.84	10YR 4/4	dark yellowish brown
85	NB072035	23.23	0.90	10YR 3/6	dark yellowish brown
86	NB072036	8.54	1.18	2.5Y 3/3	dark olive brown
87	NB072037	25.21	0.88	2.7y 4/3	olive brown
88	NB072038	37.46	0.57	7.5YR 4/6	strong brown
89	NB072039	21.66	1.04	2.5Y 4/4	olive brown
90	NB072040	41.06	0.77	7.5YR 4/4	brown
91	NB072041	18.72	0.90	10YR 5/4	yellowish brown
92	NB072042	26.84	1.20	2.5Y 5/4	light olive brown
93	NB072043	19.77	0.89	2.5Y 4/3	olive brown
94	NB072044	13.06	1.04	10YR 4/3	brown
95	NB072045	14.31	1.28	10YR 4/4	dark yellowish brown
96	NB072046	13.51	1.85	5YR 4/2	dark reddish gray

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Sample Preparation		-	-	-	-
97	NB072047	16.31	1.69	10YR 4/3	brown
98	NB072048	11.88	1.37	10YR 4/3	brown
99	NB072050	18.21	1.53	7.5YR 4/3	brown
100	NB072051	25.01	0.69	7.5YR 4/3	brown
101	NB072052	14.32	1.15	7.5YR 4/3	brown
102	NB072053	10.69	1.28	10YR 5/4	yellowish brown
103	NB072054	7.63	1.19	2.5Y 5/3	light olive brown
104	NB072055	22.61	0.95	10YR 4/4	dark yellowish brown
105	NB072056	17.80	1.08	2.5Y 4/4	olive brown
106	NB072057	40.06	0.69	10YR 4/6	dark yellowish brown
107	NB072058	37.34	1.02	2.5YR 5/4	reddish brown
108	NB072059	19.26	0.98	10YR 4/6	dark yellowish brown
109	NB072060	21.22	1.05	10YR 4/4	dark yellowish brown
110	NB072061	30.24	0.99	2.5Y 4/4	olive brown
111	NB072062	30.03	1.00	10YR 4/4	dark yellowish brown
112	NB072063	30.72	0.78	10YR 4/6	dark yellowish brown
113	NB072064	31.24	1.11	2.5YR 3/4	dark reddish brown
114	NB072065	23.57	0.85	10YR 4/4	dark yellowish brown
115	NB072066	40.87	0.88	7.5YR 3/4	dark brown
116	NS071001	12.09	2.26	5YR 4/3	reddish brown
117	NS071002	10.18	2.35	5YR 4/4	reddish brown
118	NS071003	14.27	2.49	5YR 4/3	reddish brown
119	NS071004	13.16	3.10	5YR 4/4	reddish brown
120	NS071005	25.25	2.85	5YR 4/3	reddish brown
121	NS071006	14.16	1.63	5YR 4/3	reddish brown
122	NS071007	13.26	2.75	7.5YR 4/3	brown
123	NS071008				
124	NS071009	11.21	2.74	10YR 4/6	dark yellowish brown
125	NS071010	13.83	2.41	5YR 4/3	reddish brown
126	NS071011	22.75	2.82	5YR 4/4	reddish brown
127	NS071012	19.90	2.05	7.5YR 3/4	dark brown
128	NS071013	16.98	1.66	5YR 4/3	reddish brown
129	NS071014	26.43	2.44	7.5YR 4/3	brown
130	NS071015	16.12	2.42	7.5YR 4/3	brown
131	NS071016	22.51	2.90	5YR 5/2	reddish gray
132	NS071017	9.20	3.29	10YR 4/4	dark yellowish brown
133	NS071019	6.44	2.39	10YR 4/6	dark yellowish brown
134	NS071020	11.15	2.85	7.5YR 4/6	strong brown
135	NS071021	5.72	3.43	7.5YR 3/3	dark brown
136	NS071022	14.50	2.74	7.5YR 4/3	brown
137	NS071023	16.36	2.94	7.5YR 4/4	brown
138	NS071024	18.56	2.87	2.5Y 5/4	light olive brown
139	NS071025	18.67	3.06	5YR 4/4	reddish brown
140	NS071026				
141	NS071027	27.25	1.67	2.5Y 3/2	very dark grayish brown
142	NS071028	26.92	3.55	10YR 4/4	dark yellowish brown
143	NS071029	13.02	3.05	7.5YR 4/2	brown
144	NS071030	31.17	2.30	7.5YR 4/4	brown

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Variable Unit Sample Preparation		Water Content %	Bulk Density g/cm3	Munsell Color - -	Color Description -
145	NS071031	14.00	2.84	2.5YR 4/3	reddish brown
146	NS071032	22.74	2.49	10YR 3/4	dark yellowish brown
147	NS071033	26.49	3.03	7.5YR 3/3	dark brown
148	NS071034	14.94	4.66	2.5YR 4/4	reddish brown
149	NS071036	23.82	2.59	7.5YR 3/4	dark brown
150	NS071037	23.05	2.40	5YR 3/3	dark reddish brown
151	NS071038	14.19	4.92	2.5YR 4/2	weak red
152	NS071039	16.26	4.30	7.5YR 4/4	brown
153	NS071040	17.56	4.73	7.5YR 4/3	brown
154	NS071041	26.84	1.36	7.5YR 3/4	dark brown
155	NS071042	19.01	3.15	10YR 3/4	dark yellowish brown
156	NS071043	13.50	3.09	2.5Y 4/4	olive brown
157	NS071044	16.13	2.97	2.5Y 5/6	light olive brown
158	NS071045	4.51	4.76	2.5Y 4/4	olive brown
159	NS071046	13.85	4.05	10YR 4/4	dark yellowish brown
160	NS071047	14.04	4.08	2.5Y 4/2	dark grayish brown
161	NS071048	7.27	6.37	5Y 4/3	olive
162	NS071049	14.92	3.33	7.5YR 2.5/2	very dark brown
163	NS071050	18.27	2.77	10YR 3/3	dark brown
164	NS071052	18.08	1.93	2.5Y 3/2	very dark grayish brown
165	NS071053	19.86	4.12	5YR 4/3	reddish brown
166	NS071054	18.35	4.11	2.5Y 4/4	olive brown
167	NS071055	7.93	4.11	5YR 3/4	dark reddish brown
168	NS071056	23.43	2.65	7.5YR 3/4	dark brown
169	NS071057	12.72	5.68	2.5YR 4/4	reddish brown
170	PE071001	14.38	1.34	5YR 4/4	reddish brown
171	PE071002	13.21	1.31	5YR 4/4	reddish brown
172	PE071003	14.35	1.32	5Y/R 4/6	yellowish red
173	PE071004	30.17		2.5YR 4/6	red
174	PE071005	15.91	1.38	5YR 4/6	yellowish red
175	PE071006	13.11	2.04	5YR 4/4	reddish brown
176	PE071007	12.56	1.25	5YR 4/6	yellowish red
177	PE071008	8.16	1.09	2.5YR 4/6	red
178	PE071009	13.13		5YR 4/6	yellowish red