

North American Soil Geochemical Landscapes Project

Summary Statistics - Soil Physical Properties Data

Variable Unit	Water Content %	Bulk Density g/cm3	Munsell Color -	Color Description -
Sample Preparation	unprocessed	unprocessed	-	-
Number of Samples	170	144	170	170
Arithmetic Mean	36.23	0.89		
Median	32.78	0.83		
Variance	303.51	0.14		
Standard Deviation	17.42	0.37		
Skewness	2.09	4.58		
Kurtosis	9.99	34.96		
Percentiles				
Minimum Value	7.03	0.32		
5th Percentile	14.62	0.54		
10th Percentile	19.37	0.60		
15th Percentile	21.36	0.63		
25th Percentile	25.96	0.70		
35th Percentile	27.63	0.74		
50th Percentile	32.78	0.83		
65th Percentile	39.47	0.93		
70th Percentile	42.60	0.99		
75th Percentile	45.64	1.02		
80th Percentile	48.17	1.07		
90th Percentile	55.87	1.18		
95th Percentile	63.47	1.39		
98th Percentile	76.38	1.50		
99th Percentile	84.11	1.92		
Maximum Value	149.51	4.00		

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Variable		Water Content	Bulk Density	Munsell Color	Color Description
Unit		%	g/cm3	-	-
Sample Preparation		-	-	-	-
1	NB071001	42.16	0.79	5YR 4/6	yellowish red
2	NB071002	26.29	1.18	7.5YR 4/3	brown
3	NB071003	32.80	0.83	5YR 4/4	reddish brown
4	NB071004	33.86	1.03	7.5YR 4/6	strong brown
5	NB071005	36.01	0.76	7.5YR 3/3	dark brown
6	NB071007	21.35		7.5YR 4/4	brown
7	NB071009	44.78	0.70	2.5YR 3/4	dark reddish brown
8	NB071010	35.38	0.72	7.5YR 4/4	brown
9	NB071011	27.54	1.00	7.5YR 4/6	strong brown
10	NB071012	31.34	0.70	7.5YR 3/3	dark brown
11	NB071013	44.74	0.57	5YR 3/4	dark reddish brown
12	NB071014	56.34	0.65	5YR 4/6	yellowish red
13	NB071015			10YR 6/1	gray
14	NB071016	50.68	0.73	7.5YR 3/4	dark brown
15	NB071017	32.71	0.69	10YR 4/6	dark yellowish brown
16	NB071018	28.84	1.43	10R 5/3	weak red
17	NB071019	26.45	1.07	10R 4/3	weak red
18	NB071020	36.03	1.13	10YR 3/4	dark yellowish brown
19	NB071021	43.29		7.5YR 4/6	strong brown
20	NB071022	54.10	0.63	5YR 3/4	dark reddish brown
21	NB071023	26.61	0.71	10YR 5/6	yellowish brown
22	NB071024	43.67	0.76	10YR 4/6	dark yellowish brown
23	NB071025	63.60		5YR 4/6	yellowish red
24	NB071027	24.93	1.04	10YR 4/4	dark yellowish brown
25	NB071028	28.65	0.92	10YR 4/4	dark yellowish brown
26	NB071029	37.41	0.93	7.5YR 3/4	dark brown
27	NB071030	23.48	0.99	10YR 4/4	dark yellowish brown
28	NB071031	37.43	0.86	7.5YR 4/6	strong brown
29	NB071032	21.38	0.94	10YR 4/6	dark yellowish brown
30	NB071033	24.48	1.59	10YR 5/4	yellowish brown
31	NB071034	28.50	0.69	7.5YR 4/6	strong brown
32	NB071035	14.03		10YR 4/4	dark yellowish brown
33	NB071036	10.92	1.47	7.5YR 4/4	brown
34	NB071037	77.47	0.95	2.5Y 4/1	dark grey
35	NB071038	12.33		7.5YR 4/4	brown
36	NB071039	33.89	1.11	7.5YR 3/3	dark brown

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Variable		Water Content	Bulk Density	Munsell Color	Color Description
Unit		%	g/cm3	-	-
Sample Preparation		-	-	-	-
37	NB071040	49.28	0.63	10YR 4/6	dark yellowish brown
38	NB071041	23.48	1.09	10YR 4/4	dark yellowish brown
39	NB071042	32.44	0.77	7.5YR 3/3	dark brown
40	NB071043	24.83	1.01	7.5YR 4/6	strong brown
41	NB071044	45.55	0.73	10YR 3/4	dark yellowish brown
42	NB071045	60.79	0.60	5YR 3/4	dark reddish brown
43	NB071046	19.73	0.75	7.5YR 4/4	brown
44	NB071047	12.74	1.14	7.5YR 4/3	brown
45	NB071048	16.29		7.5YR 4/4	brown
46	NB071049	60.74	0.70	7.5YR 3/3	dark brown
47	NB071050	26.38	0.76	10YR 4/6	dark yellowish brown
48	NB071051	26.08	1.02	10YR 4/4	dark yellowish brown
49	NB071052	12.18	0.98	2.5Y 5/4	light olive brown
50	NB071054	12.84	1.15	10YR 5/6	yellowish brown
51	NB071055	66.09	0.63	5YR 2.5/2	dark reddish brown
52	NB071056	80.87	0.65	10YR 3/6	dark yellowish brown
53	NB072001	45.67	0.57	7.5YR 4/6	strong brown
54	NB072002	22.44	1.06	7.5YR 3/4	dark brown
55	NB072003	51.56	0.70	7.5YR 4/4	brown
56	NB072004	41.05	0.79	7.5YR 4/6	strong brown
57	NB072005	52.44	0.74	7.5YR 3/4	dark brown
58	NB072006	38.01	0.81	7.5YR 2.5/3	very dark brown
59	NB072007	33.51	0.90	2.5Y 5/4	light olive brown
60	NB072009	55.54	0.63	7.5YR 3/4	dark brown
61	NB072010	33.03	0.65	10YR 4/6	dark yellowish brown
62	NB072011	45.74	0.71	5YR 3/4	dark reddish brown
63	NB072012	60.86	0.59	7.5YR 3/3	dark brown
64	NB072013	30.06	0.84	7.5YR 2.5/3	very dark brown
65	NB072014	20.09	1.05	5YR 3/4	dark reddish brown
66	NB072015	63.31	0.54	7.5YR 3/3	dark brown
67	NB072016	32.54	0.81	7.5YR 4/4	brown
68	NB072017	26.94	0.80	7.5YR 4/4	brown
69	NB072018	21.42	0.97	7.5YR 4/6	strong brown
70	NB072019	48.20	0.54		
71	NB072020	32.23	0.70	5YR 3/4	dark reddish brown
72	NB072021	19.50	1.24	7.5YR 4/6	strong brown

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	Variable	Water Content	Bulk Density	Munsell Color	Color Description
	Unit	%	g/cm3	-	-
	Sample Preparation	-	-	-	-
73	NB072022	26.08	1.25	5YR 5/4	reddish brown
74	NB072023	39.58	0.74	7.5YR 4/4	brown
75	NB072024	34.53	0.62	7.5YR 4/6	strong brown
76	NB072026	51.09	0.58	7.5YR 4/6	strong brown
77	NB072027	40.13	0.84	5YR 4/4	reddish brown
78	NB072028	32.76	0.90	5YR 3/4	dark reddish brown
79	NB072029	45.73	0.78	10YR 4/6	dark yellowish brown
80	NB072030	14.74	0.90	7.5YR 4/4	brown
81	NB072031	50.20	0.70	5YR 4/6	yellowish red
82	NB072032	40.54	0.74	7.5YR 4/4	brown
83	NB072033	34.77	0.83	10YR 4/6	dark yellowish brown
84	NB072034	74.59	0.54	7.5YR 3/3	dark brown
85	NB072035	47.66	0.63	10YR 4/6	dark yellowish brown
86	NB072036	7.03	1.11	7.5YR 3/2	dark brown
87	NB072037	45.88	0.79	10YR 4/6	dark yellowish brown
88	NB072038	56.28	0.62	5YR 3/3	dark reddish brown
89	NB072039	48.17	0.61	5YR 3/4	dark reddish brown
90	NB072040	69.62	0.44	5YR 3/3	dark reddish brown
91	NB072041	18.50	0.92	7.5YR 4/4	brown
92	NB072042	54.81	0.63	10YR 4/6	dark yellowish brown
93	NB072043	30.49	0.72	10YR 4/4	dark yellowish brown
94	NB072044	20.30	1.01	10YR 3/6	dark yellowish brown
95	NB072045	29.48	0.67	7.5YR 4/4	brown
96	NB072046	16.79	1.37	10YR 4/2	dark grayish brown
97	NB072047	50.54	0.72	7.5YR 3/4	dark brown
98	NB072048	26.36	0.84	7.5YR 4/4	brown
99	NB072050	23.43	1.35	2.5Y 4/3	olive brown
100	NB072051	31.46	0.74	10YR 4/6	dark yellowish brown
101	NB072052	27.33	0.60	7.5YR 4/4	brown
102	NB072053	34.42	0.54	7.5YR 3/4	dark brown
103	NB072054	12.20	0.82	2.5Y 5/4	light olive brown
104	NB072055	32.56	0.76	7.5YR 3/4	dark brown
105	NB072056	32.30	0.65	7.5YR 3/4	dark brown
106	NB072057	36.24	0.53	7.5YR 4/6	strong brown
107	NB072058	39.93	0.64	2.5YR 5/4	reddish brown
108	NB072059	53.97	0.65	5YR 4/6	yellowish red

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Unit		%	g/cm3	-	-
Sample Preparation		-	-	-	-
109	NB072060	32.06	0.83	5YR 4/6	yellowish red
110	NB072061	56.61	0.71	5YR 3/4	dark reddish brown
111	NB072062	91.33	0.48	5YR 3/3	dark reddish brown
112	NB072063	44.31	0.64	5YR 3/4	dark reddish brown
113	NB072064	26.67	0.84	5YR 4/4	reddish brown
114	NB072065	32.12	0.86	7.5YR 4/4	brown
115	NB072066	149.51	0.32	2.5YR 3/4	dark reddish brown
116	NS071001	25.24	0.84	5YR 3/4	dark reddish brown
117	NS071002	30.00	0.70	5YR 4/6	yellowish red
118	NS071003	26.35	0.96	5YR 4/4	reddish brown
119	NS071004	28.16	1.42	5YR 4/4	reddish brown
120	NS071005	35.47	0.85	7.5YR 4/4	brown
121	NS071006	26.41	1.18	5YR 4/4	reddish brown
122	NS071007	42.31	0.84	7.5YR 5/4	brown
123	NS071008				
124	NS071009	55.83	0.53	7.5YR 3/4	dark brown
125	NS071010	41.01	0.93	5YR 4/6	yellowish red
126	NS071011	55.82	0.80	7.5YR 4/4	brown
127	NS071012	23.83	1.13	5YR 4/6	yellowish red
128	NS071013	46.26	0.78	5YR 4/4	reddish brown
129	NS071014	39.67	0.93	7.5YR 4/3	brown
130	NS071015	50.97	0.83	7.5YR 3/3	dark brown
131	NS071016	47.60	1.40	7.5YR 5/4	brown
132	NS071017	30.76	0.87	7.5YR 4/6	strong brown
133	NS071019	26.01		7.5YR 4/6	strong brown
134	NS071020	19.47		7.5YR 4/6	strong brown
135	NS071021	25.17		5YR 4/6	yellowish red
136	NS071022	25.95		7.5YR 3/4	dark brown
137	NS071023	36.86		7.5YR 2.5/3	very dark brown
138	NS071024	53.81		10YR 4/6	dark yellowish brown
139	NS071025	22.45	1.15	2.5YR 3/4	dark reddish brown
140	NS071026	46.32		10YR 3/3	dark brown
141	NS071027	33.40	1.09	10YR 3/2	very dark grayish brown
142	NS071028	48.33		7.5YR 3/4	dark brown
143	NS071029	64.93	0.50	5YR 3/4	dark reddish brown
144	NS071030	29.85		7.5YR 3/3	dark brown

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Variable		Water Content	Bulk Density	Munsell Color	Color Description
Unit		%	g/cm3	-	-
Sample Preparation		-	-	-	-
145	NS071031	21.60		5YR 4/4	reddish brown
146	NS071032	32.84	1.16	10YR 3/6	dark yellowish brown
147	NS071033	60.01	0.76	7.5YR 3/4	dark brown
148	NS071034	36.22	1.19	5YR 4/3	reddish brown
149	NS071036	26.64		10YR 3/6	dark yellowish brown
150	NS071037	37.61		7.5YR 2.5/3	very dark brown
151	NS071038				
152	NS071039	21.65		7.5YR 4/4	brown
153	NS071040	44.55	0.96	7.5YR 4/4	brown
154	NS071041	33.16		7.5YR 3/4	dark brown
155	NS071042	43.82		7.5YR 5/8	strong brown
156	NS071043	19.65	1.05	10YR 3/6	dark yellowish brown
157	NS071044	20.12	2.16	10YR 3/4	dark yellowish brown
158	NS071045	19.79		10YR 4/6	dark yellowish brown
159	NS071046	26.78	1.03	10YR 3/6	dark yellowish brown
160	NS071047	31.55		10YR 3/6	dark yellowish brown
161	NS071048				
162	NS071049	32.89		10YR 3/6	dark yellowish brown
163	NS071050	38.87	1.02	7.5YR 3/3	dark brown
164	NS071052	31.30	1.17	7.5YR 3/3	dark brown
165	NS071053	21.94		5YR 4/2	dark reddish gray
166	NS071054	26.51	1.06	10YR 5/6	yellowish brown
167	NS071055	15.38		5YR 4/6	yellowish red
168	NS071056	34.43	0.93	5YR 3/4	dark reddish brown
169	NS071057	15.45	4.00	5YR 4/4	reddish brown
170	PE071001				
171	PE071002				
172	PE071003	29.99	1.02	5YR 4/6	yellowish red
173	PE071004	32.32	1.14	5YR 4/6	yellowish red
174	PE071005	15.47	1.22	7.5YR 3/4	dark brown
175	PE071006	14.53	1.48	5YR 4/4	reddish brown
176	PE071007				
177	PE071008				
178	PE071009	15.27	1.00	7.5YR 4/4	brown