

APPENDIX B
CORE DESCRIPTIONS

Hoff Deep Test Locale

Core 1 (40S/0W)

Depth (cm)	Stratum/Horizon	Description
0-21	Ap	Clay; black (10YR 2/1); abrupt boundary.
21-45	A/C	Clay; black (10YR 2/1) and very dark grayish brown (2.5Y 3/2); moderate fine granular structure; abrupt boundary.
45-100	A	Silty Clay; black (2.5Y 2.5/1); moderate fine subangular blocky structure; color becomes more 5Y with depth; unleached; gradual boundary. Augered (entire stratum)/CM¹
100-128	A	Clay; black (2.5Y 2.5/1); white calcium carbonate masses; unleached; clear boundary. Augered (entire stratum)/CM
128-160	Cgk	Silty Clay; dark gray (5Y 4/1) and black (2.5Y 2.5/1); many white masses; unleached; abrupt boundary.
160-173	2Ab	Clay; black (2.5Y 2.5/1); unleached; clear boundary. Augered (entire stratum)/CM
173-190	2ACb	Clay; black (2.5Y 2.5/1) and olive green (5Y 4/2); few white masses; unleached; abrupt boundary.
190-218	2Cgkb1	Clay; dark grayish brown (2.5Y 4/2); common white masses.
218-234	2Cgkb2	Clay; very dark gray and very dark grayish brown (2.5Y 3/1 & 3/2); unleached.
234-272	2Cgkb3	Clay-Silty Clay; dark grayish brown (2.5Y 4/2); common white masses; few high chroma redox features at base; abrupt boundary.
272-304	2Cgkb4	Silty Clay – Clay; dark grayish brown (2.5Y 4/2); abundant white masses; occasional high chroma redox features.

Core 2 (40S/20W)

Depth (cm)	Stratum/Horizon	Description
0-62	Ap/A	Clay; black (2.5Y 2.5/1); leached except for inclusions; grayish brown (2.5Y 5/2) inclusions from 54-57 cm. Augered (30-60 cm)/CM
62-69	AC	Clay; black & very dark grayish brown (2.5Y 2.5/1 – 3/2); unleached.
69-83	2Ab	Clay; black (2.5Y 2.5/1). Augered (entire stratum)/NCM²
83-96	2AC	Clay; very dark gray (10YR 3/1); unleached; abrupt boundary. Augered (entire stratum)/NCM
96-132	3Ab	Clay; very dark gray to black (10YR 3/1 – 2/1); unleached; few white masses at base. Augered (entire stratum)/CM
132-165	3CAgb	Clay; dark grayish brown (2.5Y 4/2) and black (10YR 2/1); unleached; mixing and bioturbated; occasional white masses.
165-274	3Cbg1	Clay; dark grayish brown (2.5Y 4/2); unleached; common redox features; massive; clear boundary.
274-304	3Cgkb	Clay; dark grayish brown – olive brown (2.5Y 4/2 – 4/3); laminated; CaCO ₃ ; common redox features.

Core 3 (40S/40W)

Depth (cm)	Stratum/Horizon	Description
0-68	AP/A	Clay; black (10YR 2/1); medium fine granular; leached except for inclusions; abrupt boundary.
68-70	C	Clay; dark grayish brown (2.5Y 4/2); common white masses; unleached; very abrupt boundary.
70-90	2Ab	Clay; black (2.5Y 2.5/1). Augered (entire stratum)/CM
90-105	2ABb	Mix of above and below.
105-152	2Cb1	Clay; dark grayish brown – grayish brown (2.5Y 4/2 – 5/2); occasional faint redox features; unleached; clear boundary.

1. CM = Cultural Material
2. NCM = No Cultural Material

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152-230	2Cgkb1	Clay – Silty Clay; dark grayish brown (2.5Y 4/6); common redox features; many white masses; unleached; clear boundary.
230-300	2Cgkb2	Clay; dark grayish brown (2.5Y 4/2); platy grading down to very thin laminated; few carbonate laminae or secondary CaCO ₃ on laminae planes; many redox features; unleached; single thin linear krotavina; clear boundary.
300-327	Cgb1	Clay; dark grayish brown to grayish brown (2.5Y 4/2 – 5/2); remnant laminae; many high and low redox features; bioturbated.
327-355	Cgb2	Clay; dark grayish brown to grayish brown (2.5Y 4/2 – 5/2); remnant laminae; many high and low redox features; bioturbated.
355-396	Cgb3	Clay; dark greenish gray (10Y 4/1) and dark grayish brown (2.5Y 4/2); many distinct high chroma redox features; unleached.

Core 4 (40S/60W)

Depth (cm)	Stratum/Horizon	Description
0-45	Ap/A	Clay – Silty clay; black (10YR 2/1); moderate medium subangular blocky structure; very abrupt boundary. Augered (30-45 cm)/NCM
45-55	CA	Black and dark grayish brown (10YR 2/1 & 3/2); mixed from inclusions; bioclasts; abrupt boundary.
55-70	2Ab	Clay; very dark gray – very dark grayish brown (10YR 3/1 – 3/2); moderate medium fine subangular blocky structure; abrupt boundary. Augered (entire stratum)/NCM
70-131	2Cb1	Silty Clay Loam; brown (10YR 5/3).
131-190	2Cgkb1	Silty Clay; grayish brown (10YR 5/2); many white masses; remnant laminae; few redox features.
190-210	2Cgkb2	Clay; dark grayish brown (2.5Y 4/2); remnant laminae; large white masses at 201cm & 217cm.
210-236	2Cgb1	Clay; dark grayish brown – grayish brown (2.5Y 4/2 – 5/2); few distinct laminae and remnant laminae; few redox features.
236-264	2Cgb2	Clay; dark grayish brown – grayish brown (2.5Y 4/2 – 5/2); few distinct laminae and remnant laminae; few redox features; dark gray (5Y 4/1) mottles; abrupt boundary.
264-304	2Cgb3	Clay; dark grayish brown and dark gray (2.5Y 4/2 & 4/1); many redox features.

Core 5 (40S/80W)

Depth (cm)	Stratum/Horizon	Description
0-30	Ap	Clay; black (10YR 2/1); bone at 22 cm; abrupt boundary.
30-48	A	Silty Clay; very dark gray (10YR 3/1); charcoal at 34 cm; abrupt boundary. Augered (entire stratum)/CM
48-59	C	
59-103	2Ab	Clay; black (10YR 2/1). Augered (entire stratum)/CM
103-150	2Cgb1	Clay – Silty Clay; dark gray (10YR 4/1); occasional white masses; clear boundary
150-213	2Cgb2	Clay; dark grayish brown (2.5Y 4/2); charcoal at 195-200 and 208.

Core 6 (40S/100W)

Depth (cm)	Stratum/Horizon	Description
0-25	Ap	Clay; black (10YR 2/1).
25-48	A	Clay; black – very dark gray (10YR 2/1 – 3/1); moderate fine granular structure; abrupt boundary. Augered (entire stratum)/CM
48-75	C	Clay; mix of black and dark grayish brown (10YR 2/1 & 2.5Y 3/2); moderate to strong medium granular structure; abrupt boundary.
75-89	2Ab	Clay; black (10YR 2/1); common charcoal; abrupt boundary. Augered (entire stratum)/NCM

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89-130	2ABb	Clay; very dark gray (10YR 3/1). Augered (75-100 cm)/NCM
130-213	2Cgkb1	Clay; dark grayish brown (2.5Y 4/2); occasional white masses; mixed black mottles from 190-200cm.

Core 7 (20S/100W)

Depth (cm)	Stratum/Horizon	Description
0-48	Ap/A	Clay; black (10YR 2/1); moderate medium granular structure; clear boundary. Augered (30-50 cm)/CM
48-80	Bw	Clay; dark gray – very dark gray (10YR 4/1 – 3/1); abrupt boundary.
80-98	2Ab	Clay; black and dark grayish brown (2.5Y 2.5/1 & 4/2). Augered (entire stratum)/CM
98-110	2Cb	Clay; very dark gray (10YR 3/1); abrupt boundary.
110-125	3Ab	Clay; very dark gray – black (10YR 3/1 – 2/1); common charcoal; clear boundary. Augered (entire stratum)/NCM
125-244	3Cgkb1	Clay; very dark gray (10YR 3/1 – 2.5Y 3/1); charcoal at 139 cm; many white nodules; grades down to dark grayish brown (2.5Y 4/2); many white masses.
244-252	4Ab	Clay; very dark grayish brown (10YR 3/2).
252-304	4Cgkb2	Clay; dark grayish brown (2.5Y 4/2); common fine white masses; occasional white masses.

Core 8 (20S/80W)

Depth (cm)	Stratum/Horizon	Description
0-18	Ap	Clay; black.
18-122	A	Clay to Silty Clay; black (10YR 2/1); moderate medium granular structure; occasional white masses. Augered (30-70 cm)/NCM
122-173	AC	Clay; dark grayish brown (2.5Y 4/2); many white nodules; abrupt boundary; fine granular mixed zone (krotavina) from 138-142cm.
173-213	2Ab	Clay; mixed black (2.5Y 2.5/1) and dark grayish brown (2.Y 4/2); few large white masses.

Core 9 (20S/60W)

Depth (cm)	Stratum/Horizon	Description
0-55	Ap/A	Clay; black (10YR 2/1); moderate medium subangular blocky structure; clear boundary. Augered (30-50 cm)/CM
55-85	A	Clay; black & dark grayish brown (10YR 2/1 – 4/2); granular mix of soil colors; bioturbated; medium – strong fine granular structure; few white nodules; leached; clear boundary. Augered (entire stratum)/CM
85-140	Cgk1	Clay; dark grayish brown – grayish brown (2.5Y 4/2 – 5/2); white disseminated CaCO ₃ ; clear boundary.
140-213	Cgk2	Clay; dark grayish brown (2.5Y 4/2); few redox features, more common at base.

Core 10 (20S/40W)

Depth (cm)	Stratum/Horizon	Description
0-60	Ap/A	Clay; black (10YR 2/1 – 2.5Y 2.5/1). Augered (30-60 cm)/CM
60-68	AC	Clay; lower half is dark grayish brown (2.5Y 4/2); upper half is granular mix zone (krotavina).
68-80	2Ab	Clay; black (10YR 2/1); few white nodules; abrupt boundary. Augered (entire stratum)/CM
80-89	2AC	Clay; dark grayish brown – very dark grayish brown (2.5Y 5/2 – 3/2); few white nodules; abrupt boundary.
89-160	3Ab	Clay; black (2.5Y 2.5/1 – 5Y 2.5/1); large white masses; gradual boundary.
160-213	3Cgkb	Clay; very dark gray (5Y 3/1); large white masses.

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Core 11 (20S/20W)

Depth (cm)	Stratum/Horizon	Description
0-23	Ap	Clay; black (10YR 2/1).
23-60	A	Clay; black (10YR 2/1 – 2.5Y 2.5/1); moderate fine granular structure; abrupt boundary. Augered (entire stratum)/CM
60-150	2Ab	Clay; black-very dark gray (10YR 2/1 – 5Y 3/1); few bioinclusions of subsoil; moderate-strong fine subangular blocky structure; slightly blacker below 115cm. Augered (entire stratum)/CM
150-213	2Cgkb	Clay; dark grayish brown (2.5Y 4/2) and speckles of very dark gray (2.5Y 3/1); many white masses between 167-184cm.

Core 12 (20S/0W)

Depth (cm)	Stratum/Horizon	Description
0-60	Ap/A	Clay; black (2.5Y 2.5/1); moderate fine granular structure; clear boundary. Augered (30-70 cm)/CM
60-84	AB	Clay; very dark gray (10YR 3/1 – 2.5Y 3/1); moderate fine granular structure; few white nodules; clear boundary. Augered (30-70 cm)/CM
84-120	BA	Clay; dark grayish brown (10YR 3/1 – 2.5Y 3/1); many very dark gray speckles; clear boundary.
120-164	Cgk1	Clay; grayish brown (2.5Y 5/2); many fine white masses.
164-213	Cgk2	Clay; grayish brown (2.5Y 5/2); many fine white masses; common redox features.

Core 13 (0S/0W)

Depth (cm)	Stratum/Horizon	Description
0-48	Ap/A	Clay; black (2.5Y 2.5/1); moderate fine granular structure; clear boundary. Augered (30-48 cm)/NCM
48-60	AC	Clay; very dark grayish brown (10YR 3/2); moderate fine granular structure.
60-107	Cgk1	Clay; dark grayish brown (2.5Y 4/2); few krotavina; many fine white masses.
107-147	Cgk2	Clay; dark grayish brown – olive brown (2.5Y 4/3); few remnant laminae; abrupt boundary.
147-191	Cgk3	Clay; olive green (5Y 4/2); many redox features; many white masses; remnant laminae; 30% dark gray (5Y 4/1).
191-213	Cg1	Clay; olive green (5Y 4/2); common redox features.

Core 14 (0S/20W)

Depth (cm)	Stratum/Horizon	Description
0-26	Ap	Clay; black (2.5Y 2.5/1); abrupt boundary.
26-30		Granular size mix of dark grayish brown and black.
30-71	A	Clay; black (2.5Y 2.5/1 – 10YR 2/1); medium – fine granular structure. Augered (entire stratum)/CM
71-90	AC	Clay; dark grayish brown to very dark grayish brown (2.5Y 4/2 – 3/2); bioturbated; matrix leached; clear boundary.
90-110	CA	Mix of above and below.
110-140	Cgk1	Clay; grayish brown (2.5Y 5/2); many white nodules.
140-213	Cgk2	Clay; grayish brown – dark grayish brown (2.5Y 5/2 – 4/2); many redox features; distinct krotavina; white nodules common.

Core 15 (0S/40W)

Depth (cm)	Stratum/Horizon	Description
0-58	Ap/A	Clay; black (2.5Y 2.5/1); clear boundary. Augered (30-60 cm)/CM
58-101	AC	Clay; black – very dark gray (2.5Y 2.5/1 – 3/1); moderate fine granular

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		structure; clear boundary.
101-135	CA	Mix of above and below.
135-161	Cgk1	Clay; grayish brown (2.5Y 5/2); white disseminated CaCO ₃ ; clear boundary.
161-180	Cgk2	Clay; grayish brown (2.5Y 5/2); white disseminated CaCO ₃ ; occasional Fe nodules; clear boundary.
180-213	Cgk3	Clay; olive green (5Y 4/2); remnant laminations; large white nodules; common redox features.

Core 16 (0S/60W)

Depth (cm)	Stratum/Horizon	Description
0-50	Ap/A	Clay; black (2.5Y 2.5/1). Augered (30-50 cm)/CM
50-59	AC	Clay; black & dark grayish brown (2.5Y 2.5/1 – 4/2); mixed.
59-70	2Ab	Clay; black (2.5Y 2.5/1). Augered (entire stratum)/NCM
70-80	AC	Clay; black (2.5Y 2.5/1); few mix mottles; leached.
80-115	3Ab	Clay; black (2.5Y 2.5/1); gradual boundary. Augered (entire stratum)/CM
115-137	3ACb	Clay; very dark grayish brown – dark grayish brown (2.5Y 3/2 – 4/2).
137-190	3Cgk1	Clay; grayish brown – dark grayish brown (2.5Y 5/2 – 4/2); abundant white disseminated CaCO ₃ ; small krotavina; abrupt boundary.
190-213	3Cgb2	Clay; dark grayish brown (2.5Y 4/2); remnant laminations; common redox features.

Core 17 (0S/80W)

Depth (cm)	Stratum/Horizon	Description
0-23	Ap	Clay; black (2.5Y 2.5/1); abrupt boundary.
23-30	C	Clay; very dark grayish brown (2.5Y 3/2); very abrupt boundary.
30-76	A	Clay; black (2.5Y 2.5/1); moderate fine granular structure; gradual boundary. Augered (entire stratum)/CM
76-92	AC	Clay; dark grayish brown (2.5Y 4/2) and black (10YR 2/1).
92-110	2AB	Clay; very dark grayish brown (10YR 3/2 – 2.5Y 3/2); charcoal; few white masses; very abrupt boundary. Augered (entire stratum)/NCM
110-140	2C1	Granular zone; grayish brown, black & dark grayish brown mix (krotavina ?); abrupt boundary.
140-154	3Ab	Clay; very dark grayish brown (10YR 3/2 – 2.5Y 3/2); charcoal and black smear; abrupt boundary. Augered (entire stratum)/NCM
154-200	3Cgkb	Clay; grayish brown – dark grayish brown (2.5Y 5/2 – 4/2); many white masses and disseminated carbonates; occasional redox features in lower 15cm.
200-213	3Cgb	Clay; olive green (5Y 4/2); remnant laminations; common redox features.

Core 18 (0S/100W)

Depth (cm)	Stratum/Horizon	Description
0-35	Ap/A	Clay; black – very dark gray (10YR 2/1 – 3/1); charcoal; clear boundary.
35-51	C1	Clay; very dark grayish brown & dark gray (10YR 3/2); strong fine subangular blocky; charcoal; laminae base; very abrupt boundary. Augered (entire stratum)/CM
51-75	C2	Very fine granular zone; charcoal; very dark grayish brown; few white masses; abrupt boundary. Augered (entire stratum)/CM
75-125	2Ab	Clay; very dark gray (10YR 3/1); occasional white nodules; charcoal. Augered (entire stratum)/CM
125-166	2C1	Clay; bedded zone; charcoal.
166-213	2Cgkb	Clay; dark grayish brown (2.5Y 4/2); remnant laminations; many white masses.

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Strata are unleached (calcareous) unless otherwise noted

Core 1 (0N/0W)

Depth (cm)	Stratum/Horizon	Description
0-25	Ap/F	Silt Loam with pebbles and concrete, cinders and pebbles.
25-320	C	Layered fill.
320-340	Cb1	Silt Loam; light olive brown (5Y 3/3) with gray brown (5Y 5/2) mottles; many redox features.
340-348	Cb2	Sandy Loam; olive (5Y 5/3).
348-353	Cb3	Silt Loam; medium fine sand mode; common redox features.
353-367	Cb4	Loamy Sand; olive gray (5Y 5/2).
367-396	Cb5	Loam; olive gray (5Y 6/2); laminated.

Core 2 (20N/0W)

Depth (cm)	Stratum/Horizon	Description
0-28	Ap	Silt Loam; black (10YR 2/1); diamicton with sand; leached; abrupt boundary.
28-66	A	Silt Loam; black (10YR 2/1); diamicton; weak medium subangular blocky structure; abrupt boundary.
66-91	Bw1	Silt Loam; very dark brown (10YR 2/2); diamicton; abrupt boundary. Augered (entire stratum)/NCM
91-137	Bw2	Silt Loam; brown (10YR 4/3); diamicton; weak medium subangular blocky structure; very abrupt boundary.
137-141	Ab	Silt Loam; very dark brown (10YR 2/2); single pebble.
141-156	Cb1	Silty Clay Loam; dark yellowish brown (10YR 4/4); abrupt boundary.
156-163	Cb2	Silt Loam; dark layers Ab?
163-165	Cb3	Sandy loam; dark brown (10YR 4/3).
165-183	Cb4	Silt Loam; mixed very dark brown, black and brown; abrupt boundary.
183-230	Cb5	Silt Loam to Silty Clay Loam; dark yellowish brown (10YR 4/4); weak medium subangular blocky structure; grades down to silt loam.
230-260	Ckb6	Silt Loam; brown (10YR 5/3); massive.
260-290	Ckb7	Silt Loam; grayish brown to light grayish brown (10YR 5/2 – 6/2); common redox features; abundant disseminated white masses.
290-304	Cbk8	Silt Loam; grayish brown (10YR 5/2); abundant disseminated white masses.

Core 3 (40N/0W)

Depth (cm)	Stratum/Horizon	Description
0-33	Ap	Silt Loam; black (10YR 2/1); pebble at base; abrupt boundary.
33-59	A	Silt Loam; black (10YR 2/1); light colored soil inclusions at base; loose; very abrupt boundary.
59-83	AB	Silty Clay Loam; very dark brown (10YR 2/2); diamicton; weak fine subangular blocky structure; abrupt boundary. Augered (entire stratum)/NCM
83-142	Bw	Silt Loam – Silty Clay Loam; dark yellowish brown (10YR 4/4).
142-257	Ck1	Silty Clay Loam; brown (10YR 5/3); many disseminated white masses.
257-270	Ck2	Silty Clay Loam; dark grayish brown (10YR 4/2); many distinct white masses; abrupt boundary.
270-358	Ck3	Clay – Silty Clay Loam; very dark gray (10YR 3/1); white masses; abrupt boundary.
358-396	Ck4	Silt Loam; brown and grayish brown (10YR 5/3 – 5/2); common redox features; white masses.

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Core 4 (60N/0W)

Depth (cm)	Stratum/Horizon	Description
0-30	Ap	Silt Loam; black (10YR 2/1); wood and glass; indistinct gradual boundary.
30-78	A	Silt Loam; black – very dark brown (10YR 2/1 – 2/2); weak medium subangular blocky structure; diamicton; very abrupt boundary. Augered (70-80 cm)/CM
78-135	Bw	Silty Clay Loam – Silt Loam; dark yellowish brown (10YR 4/4); moderate medium subangular blocky structure; leached; abrupt boundary.
135-148	C1	Loam; dark grayish brown (10YR 4/4); clear boundary.
148-160	C2	Silt Loam; brown (10YR 4/3).
160-162	Ck3	Silt Loam bed.
162-270	Ck4	Sandy Loam; dark yellowish brown (10YR 4/4); poorly sorted.
270-304	Ck6	Silt Loam; brown and dark gray (10YR 5/3 & 5/2).

Core 5 (80N/0W)

Depth (cm)	Stratum/Horizon	Description
0-30	Ap	Silt Loam; black (10YR 2/1); clear boundary.
30-80	A	Silt Loam; black (10YR 2/1); diamicton texture; slightly browner with depth; moderate medium subangular blocky structure; leached; clear boundary. Augered (70-80 cm)/CM
80-137	C1	Silt Loam; brown to olive brown (10YR 4/3 – 2.5Y 4/3); abrupt boundary.
137-220	Ck2	Loam; brown (10YR 4/3 – 5/3); white masses.
220-223	C3	
223-235	C4	Loam; dark grayish brown (10YR 4/2).
235-242	C5	Sandy Loam; brown (10Yr 4/3); few pebbles; very abrupt boundary.
242-256	C6	Silt Loam; brown (10YR 4/3); white masses; very abrupt boundary.
256-304	C7	Loam – Sandy Loam; brown to light olive brown (10YR 5/3 – 2.5Y 5/3); poorly sorted; common fine gravel.

Core 6 (100N/0W)

Depth (cm)	Stratum/Horizon	Description
0-18	Ap1	Silt Loam; black (7.5YR 2.5/1); very abrupt boundary.
18-40	Ap2	Silt Loam; dark gray (10YR 3/1); wood at base.
40-56	Ap3	Silt Loam; very dark brown – very dark grayish brown (10YR 2/2-3/2); granite pebbles at base.
56-69	AC1	Silt Loam; dark grayish brown (10Yr 4/2); 5-10% sand.
69-105	C1	Silt Loam; olive brown (2.5Y 4/3); carbonate pebbles at 72 cm; abrupt boundary. Augered (80-90 cm)/CM
105-125	C2	Silty Clay Loam; dark grayish brown (2.5Y 4/2); diamicton.
125-135	C3	Silt Loam; olive brown (2.5Y 4/3); abrupt boundary.
135-146	C4	Loam; all of the below are brown to olive brown (10YR 4/3-2.5Y4/3)
146-150	C5	Loam – Sandy Loam.
150-160	C6	Loam.
160-170	C7	Silt Loam.
170-213	Ck8	Sandy Loam-Loam; few gravel clasts.
213-235	Ck9	Silt Loam.
235-250	Ck10	Sandy Loam
250-255	Ck11	Loam
255-280	Ck12	Sandy Loam – Loam.
280-304	Ck13	Silt Loam.

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Core 7 (100N/20W)

Depth (cm)	Stratum/Horizon	Description
0-28	Ap	Silt Loam; black (10YR 2/1); occasional pebbles; clear boundary.
28-58	A	Silt Loam; black (7.5YR 2.5/1); heavy; diamicton; moderate medium and fine subangular blocky structure; clear boundary.
58-150	C1	Silty Clay Loam; dark yellowish brown (10YR 4/4); grades down to loam; pebble % increases with depth. Augered (60-90 cm)/CM
150-220	C3	Sandy Loam; brown (10YR 4/3); poorly sorted; angular sand grains; clear boundary.
220-250	C4	Silt Loam with gravel; brown (10YR 4/3).
250-304	C5	Loam to Sandy Loam; pebbles; single silt loam bed.

Core 8 (80N/20W)

Depth (cm)	Stratum/Horizon	Description
0-33	Ap	Silt Loam; black (10YR 3/1); abrupt.
33-40	Ap2	Silt Loam; mix of brown (10YR 4/2) and black (10YR 2/1); leached; abrupt boundary.
40-74	A	Silt Loam; black (7.5YR 2.5/1); few pebbles at base; disintegrated piece of limestone; very abrupt boundary.
74-142	C1	Silty Clay Loam; brown to olive brown (10YR 4/3 – 2.5Y 4/3); weak medium subangular blocky structure; abrupt boundary. Augered (70-80 cm)/NCM
142-170	Ck2	Loam; brown (10YR 4/3); common disseminated white masses.
170-190	Ck3	Sandy Loam – Loam; brown to olive brown (10YR 4/3 – 2.5Y 4/3); occasional pebbles; white masses; clear boundary.
190-231	Ck4	Loam; brown to olive brown (10YR 4/3 – 2.5Y 4/3); disseminated white masses.
231-252	Ck5	Silt Loam to Loam; brown to olive brown (10YR 4/3 – 2.5Y 4/3); disseminated white masses.
252-280	C6	Sandy Loam; brown (10YR 4/3); many fine pebbles; very abrupt boundary.
280-304	C7	Silt Loam; brown-olive brown (10YR 4/3-2.5Y 4/3).

Core 9 (60N/20W)

Depth (cm)	Stratum/Horizon	Description
0-43	F	Subsoil fill.
43-71	F	Silt Loam; black (7.5YR 2.5/1); heavy.
71-115	F	Gravel; loose.
115-213	Cb	Loam and Sandy Loam; brown to olive brown (10YR 5/3 – 2.5Y 4/3); stratified.

Core 10 (40N/20W)

Depth (cm)	Stratum/Horizon	Description
0-48	Ap/A	Silt Loam; black (7.5YR 2.5/1); diamicton in A Horizon; clear boundary.
48-73	Bw	Loam; brown – dark yellowish brown (10YR 4/3 – 4/4); poorly sorted; weak medium subangular blocky structure; abrupt boundary. Augered (entire stratum)/NCM
73-85	BC1	Silt Loam; brown (10YR 4/3); poorly sorted; very weak medium subangular blocky structure.
85-130	BC2	Silt Loam; brown (10YR 4/3); diamicton; clear boundary.
130-182	Ck1	Silt Loam; brown to light olive brown (10YR 5/3 – 2.5Y 5/3); no sand; many disseminated white masses; massive; abrupt boundary.
182-222	Ab	Silt Loam; very dark grayish brown – very dark gray (10YR 3/2 – 3/1); heavy; no sand; charcoal; white masses; abrupt boundary.
222-250	Cb1	Silty Clay Loam

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250-276	Cb2	Silt Loam; very dark grayish brown and dark yellowish brown layer.
276-259	Cb3	Silty Clay Loam; dark yellowish brown (10YR 4/4); abrupt boundary.
259-266	Cb4	Silty Clay Loam; dark grayish brown-very dark grayish brown (10YR 4/2 – 3/2); abrupt boundary.
266-292	Cb5	Silt Loam; dark yellowish brown (10YR 4/4); pebble.
292-304	Cb6	Silt; grayish brown (10YR 5/2); common redox features.

Core 11 (20N/20W)

Depth (cm)	Stratum/Horizon	Description
0-42	Ap	Silt Loam; black (10YR 2/1); few pebbles; leached; very abrupt boundary.
42-45	Ap	Silt Loam; black with brown (10YR 4/3); laminated; leached; very abrupt boundary.
45-70	A	Silt Loam; black (10YR 2/1); clear boundary.
70-131	Bt	Silty Clay Loam; dark grayish brown (10YR 4/2); moderate fine subangular blocky structure; few clay skins in upper half; leached. Augered (70-90 cm)/NCM
131-155	Krot	Silty Clay Loam; very dark gray and brown; massive.
155-190	C1	Silty Clay Loam; brown (10YR 4/3); massive; leached.
190-258	Ck2	Silt Loam; brown (10YR 4/3); massive; few white masses.
258-280	Ck3	Silt Loam; brown (10YR 5/3); many white masses; clear boundary.
280-300	C4	Silt Loam; brown and grayish brown (10YR 5/3 & 5/2); many redox features.
300-304	C5	Loamy Sand; brown (10YR 5/2); fine textured sand.

Core 12 (0N/20W)

Depth (cm)	Stratum/Horizon	Description
0-25	Ap	Silt Loam; very dark gray-very dark grayish brown (10YR 3/1 – 3/2); poorly sorted; very abrupt boundary. Augered (entire stratum)/NCM
25-55	C1	Silt Loam-Sandy Loam; dark grayish brown (10YR 4/2); remnant fine laminae; charcoal at 33 cm; abrupt boundary. Augered (entire stratum)/NCM
55-73	C2	Sandy Loam; dark grayish brown (10YR 4/2); common fine gravel; very abrupt boundary. Augered (entire stratum)/NCM
73-213	C3	Silt Loam – Sandy Loam; dark grayish brown (10YR 4/2); indistinct stratification; few pebbles. Augered (to 100 cm)/NCM
213-238	C4	Loam; dark grayish brown-very dark grayish brown (10YR 4/2 -3/2); clear boundary.
238-270	C5	Sandy Loam; dark grayish brown (10YR 4/2); shell fragments.
270-304	C6	Sand; coarse textured.

Core 13 (0N/40W)

Depth (cm)	Stratum/Horizon	Description
0-45	Ap	Silty Clay Loam; very dark grayish brown (10YR 3/2); black laminae at base. Augered (entire stratum)/NCM
45-84	C1	Silt Loam – Sandy Loam; interlaminated black and very dark grayish brown (10YR 2/1 – 3/2). Augered (entire stratum)/NCM
84-122	C2	Silt Loam; very dark grayish brown (10YR 3/2); large very fine sand mode. Augered (to 100 cm)/NCM
122-165	C3	Sandy Loam – Silt Loam; dark grayish brown (10YR 4/2); increasing sand % with depth; indistinct stratification.
165-213	C4	Sandy Loam; coarse-textured.

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Core 14 (20N/40W)

Depth (cm)	Stratum/Horizon	Description
0-25	Ap	Silt Loam; black (7.5YR 2.5/1); clear boundary.
25-65	A/Ap	Silt Loam; very dark brown (10YR 2/2); moderate medium subangular blocky structure; some mix of lighter soil; abrupt boundary.
65-135	AB	Silt Loam; very dark gray – very dark grayish brown (10YR 3/1 – 3/2); few pebbles; abrupt boundary. Augered (80-100 cm)/NCM
135-140	CAb	Silty Clay Loam; brown (10YR 4/3).
140-150	Ab	Silt Loam; very dark grayish brown (10YR 3/2); heavy.
150-164	Bt	Silty Clay Loam; dark yellowish brown – brown (10YR 4/4 – 5/3); few argillans; moderate medium subangular blocky structure.
164-196	C1	Silt Loam; dark brown (10YR 4/3); massive; few white masses.
196-213	Ck2	Silt Loam; brown (10YR 4/2); few pebbles; many white masses.

Core 15 (40N/40W)

Depth (cm)	Stratum/Horizon	Description
0-41	Ap	Silt Loam; black grading down to very dark brown (10YR 2/1 & 2/2); few pebbles; clear boundary.
41-76	A	Silt Loam; very dark grayish brown (10YR 3/2); moderate medium subangular blocky structure; slightly lighter with depth.
76-140	AB	Silty Clay Loam (very dark grayish brown – very dark gray (10YR 3/2 – 3/1); weak medium subangular blocky structure; few distinct ped faces; weak diamicton; very abrupt boundary. Augered (80-90 cm)/NCM
140-167	C1	Silty Clay Loam; brown (10YR 4/3); massive; abrupt boundary.
167-186	Ck2	Silty Clay Loam; very dark grayish brown and brown (10YR 3/2 & 4/3); many white masses; few nodules.
186-215	Ck3	Silty Clay Loam; brown (10YR 4/3 – 5/3); common white masses.
215-310	Ck4	Silty Clay Loam; brown (10YR 5/3) and grayish brown (10YR 5/2); many white masses; occasional white nodules; common redox features; decrease in clay with depth.
310-315	C5	Sand bed.
315-320	Ck6	Silty Clay Loam; brown (10YR 5/3); common white masses.
320-326	C7	Sandy Loam.
326-360	Ck8	Silt Loam; grayish brown (10YR 5/2); common white mottles.
360-380	C9	Sandy Loam; yellowish brown (5YR 5/3); abrupt boundary.
380-400	C10	Silt Loam; brown (10YR 5/3).

Core 16 (60N/40W)

Depth (cm)	Stratum/Horizon	Description
0-24	Ap	Silty Clay Loam; black (10YR 2/1); diamicton.
24-53	AB	Silt Loam; very dark brown (10YR 2/2); few pebbles; inclusions of brown (10YR 4/3); unleached; clear boundary.
53-88	AB2	Silty Clay Loam; very dark grayish brown – dark brown (10YR 3/2 – 7.5YR 3/2); massive; unleached.
88-131	Ab	Silty Clay Loam; very dark grayish brown (10YR 3/2); diamicton; massive; few white masses; abrupt boundary. Augered (80-90 cm)/NCM
131-153	Cb1	Silt Loam; brown (10YR 4/3); heavy; occasional white masses; massive; abrupt boundary.
153-168	Cb2	Silt Loam; dark grayish brown (10YR 4/2); common white masses; lower 1/3 is a mix of small polygons of dark grayish brown and brown soils; very abrupt boundary.
168-232	Ckb3	Silt Loam; brown – dark yellowish brown (10YR 4/3 – 4/4); many white masses; clear boundary.

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232-250	Ckb4	Silt Loam; brown (10YR 4/3); large very fine sand mode; common white masses; abrupt boundary.
250-304	Cgb	Silt Loam; grayish brown (10YR 5/2); few laminated zones; many redox features.

Core 17 (80N/40W)

Depth (cm)	Stratum/Horizon	Description
0-38	Ap	Silt Loam; black (10YR 2/1); clear boundary.
38-62	A	Silt Loam; very dark gray (10YR 3/1); heavy; moderate fine subangular blocky; weak diamictic; abrupt boundary.
62-75	Bw	Silty Clay Loam; dark brown (10YR 3/3); diamictic. Augered (60-70 cm)/NCM
75-126	Ck1	Gravel with patchy carbonates coats.
126-158	Ck2	Silt Loam; brown to olive brown (10YR 4/3 – 2.5Y 4/2); many white masses; very abrupt boundary.
158-217	2Ab	Silt Loam; very dark brown (10YR 2/2); heavy; many white masses; deteriorated limestone at base.
217-223	2Ckb	Silt Loam; brown (10YR 4/3); many white nodules; very abrupt boundary.
223-226	3Ab	Silt Loam; very dark grayish brown (10YR 3/2).
226-232	3Cb	Silt Loam; dark brown and brown (10YR 4/3 & 3/3); very abrupt boundary
232-237	4Ab	Silt Loam; dark brown (10YR 3/2); deteriorated limestone at base.
237-304	4Ckb	Silt Loam; brown (10YR 4/3); many white masses.

Core 18 (100N/40W)

Depth (cm)	Stratum/Horizon	Description
0-26	Ap	Silty Clay Loam; black (10YR 2/1); abrupt boundary.
26-42	Ap2	Silt Loam; very dark grayish brown (10YR 3/2); moderate medium subangular blocky structure; occasional pebbles; leached; very abrupt boundary.
42-67	Bw	Silt Loam; brown to dark brown (10YR 4/3 – 3/3); heavy; diamicton; weak fine subangular blocky structure; unleached; very abrupt boundary.
67-135	C1	Loam; brown (10YR 4/3).
135-137	Ck3	Loamy Sand; brown (10YR 4/3); gravelly; common white masses.
137-150	C4	Loam; brown (10YR 4/3).
150-163	C5	Sandy Loam; gravelly.
163-185	C6	Silt Loam – Loam; brown (10YR 4/3); laminated in zones.
185-213	Ck7	Silt Loam; brown to grayish brown (10YR 5/3 – 5/2); many white masses.

Core 19 (76.25N/2.3W)

Depth (cm)	Stratum/Horizon	Description
0-17	Ap	Silt Loam; black (10YR 2/1); abrupt boundary.
17-78	A	Silt Loam; black (7.5 YR 2.5/1); few pebbles; grades to very dark brown (10YR 2/2); poorly sorted.
78-122	C1	Silt Loam; dark yellowish brown (10YR 4/4); heavy; diamicton; weak effervescence.
122-137	C2	Loam; yellowish brown – light olive brown (10YR 5/4 – 2.5Y 5/4); poorly sorted.
137-154	C3	Loam.
154-190	C4	Silt Loam; poorly sorted.
190-213	C5	Loam; brown to olive brown (10YR 4/3 – 2.5Y 4/3); poorly sorted.

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Core 1 (20N/60W)

Depth (cm)	Stratum/Horizon	Description
0-45	C1	Loamy Sand; brown (10YR 5/3-4/3); few pebbles; unleached; abrupt boundary.
45-86	C2	Silt Loam; dark grayish brown (10YR 4/2); very fine sand mode; unleached.
86-154	C3	Sandy Loam; very dark grayish brown (10YR 3/2); with loamy sand and sandy loam laminae; abrupt boundary.
154-173	C4	Loam; brown (10YR 4/3); fine and medium textured; unleached.
173-200	C5	Silt Loam; very dark grayish brown (10YR 3/2); unleached; very abrupt boundary.
200-220	C6	Loam; dark grayish brown (10YR 4/2); laminated; many redox features; unleached.
220-225	C7	Silt Loam; very dark gray (10YR 3/1); unleached.
225-240	C8	Interbedded loam and silt loam; unleached.
240-261	C9	Sandy Loam; dark grayish brown (2.5Y 4/2); fine textured; unleached; very abrupt boundary.
261-285	C10	Silt Loam and Loam; laminated; common redox features; unleached; very abrupt boundary.
285-304	C11	Sandy Loam; dark yellowish brown (10YR 4/4); unleached.

Core 2 (40N/60W)

Depth (cm)	Stratum/Horizon	Description
0-5	Ap	Sandy Loam; very dark brown (10YR 2/2); 2 pebbles; very abrupt boundary.
5-30	C1	Sand; brown (10YR 4/3); fine textured; unleached.
30-45	C2	Sandy Loam; brown to dark grayish brown (10YR 4/3-4/2); unleached.
45-58	C3	Sand; brown (10YR 4/3); fine to medium textured; unleached
58-134	C4	Sand; coarse to very coarse textured; unleached; laminated sand and very dark gray (10YR 3/1) silty clay loam diamicton.
134-140	C5	Sand; coarse and very coarse textured; occasional pebbles; unleached; very abrupt boundary.
140-167	C6	Sand; coarse to very coarse textured; unleached; laminated sand and very dark gray (10YR 3/1) silty clay loam diamicton.
167-172	C7	Sand; coarse and very coarse textured; occasional pebbles; ; unleached; very abrupt boundary
172-182	C8	Silt Loam and Sandy Loam with very fine sand mode; very dark gray and very dark grayish brown (10YR 3/1 & 4/2); unleached; laminated.
213-220	C9	Sandy Loam; fine textured; brown (10YR 4/3); unleached; very abrupt boundary.
220-238	C10	Indistinct thin beds of Sandy Loam and heavy Silt Loam; common redox features; unleached; few pebbles.
238-263	C11	Sand; coarse and medium textured; indistinct beds; unleached.

Core 3 (60N/60W)

Depth (cm)	Stratum/Horizon	Description
0-23	Ap	Sandy Loam; very dark grayish brown –very dark brown (10YR 3/2-2/2); leached; very abrupt boundary.
23-38	Ap2	Silt Loam to Sandy Loam; black (10YR 2/1); thin laminae at base; leached; very abrupt boundary.
38-60	A	Silt Loam; black to very dark brown (10YR 2/1 -2/2); weak medium subangular blocky structure; leached; gradual boundary.
60-100	Bw	Silt Loam; very dark grayish brown (10YR 3/2); leached; moderate medium subangular blocky structure.
100-135	C1	Silt Loam with very fine sand mode; dark grayish brown (10YR 4/2); indistinct bedding; unleached; abrupt boundary.

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135-140	C2	Sandy Loam; very fine textured sand; dark grayish brown (10YR 4/2); unleached.
140-147	C3	Silt Loam to Sandy Loam; dark grayish brown (10YR 4/2); unleached.
147-150	C4	Sandy Loam; brown (10YR 4/3); unleached.
150-160	C5	Silt Loam; dark grayish brown – very dark grayish brown (10YR 4/2 -3/2); unleached; very abrupt boundary.
160-213	C6	Sand; brown (10YR 5/3); medium to coarse textured; unleached.

Core 4 (80N/60W)

Depth (cm)	Stratum/Horizon	Description
0-21	Ap	Silt Loam; very dark brown (10YR 2/2); leached; very abrupt boundary.
21-40	A	Silt Loam; black (10YR 2/1); weak medium subangular blocky structure; leached; clear boundary.
40-102	Bw	Silt Loam; very dark grayish brown – dark grayish brown (10YR 3/2-4/2); weak medium subangular blocky structure; leached to 64 cm.
102-130	BC	Silt Loam; dark grayish brown (10YR 4/2 – 2.5Y 4/2); unleached; very abrupt boundary.
130-142	C1	Silt Loam; dark grayish brown (10YR 4/2); unleached.
142-150	C2	Sand; fine textured; brown (10YR 5/3); unleached; very abrupt boundary.
150-158	C3	Silt Loam and Sandy Loam unleached
158-182	C4	Coarse Sand; pale brown (10YR 6/3); unleached.

Core 5 (100N/60W)

Depth (cm)	Stratum/Horizon	Description
0-28	Ap	Silt Loam; very dark yellowish brown – very dark brown (10YR 3/2 – 2/2); leached; very thin sand laminae at base.
28-54	A	Silt Loam; black (10YR 2/1); heavy; weak blocky parting; leached; clear boundary.
54-75	AC	Mix of above and below; leached to 60 cm.
75-100	C1	Silt Loam; very dark grayish brown (10YR 3/2); unleached; single pebble.
100-153	C2	Silt Loam; dark grayish brown (10YR 4/2); unleached; very thin sand laminae at 134 cm.
153-170	C3	Sandy Loam; brown (10YR 4/3); unleached.
170-187	C4	Dark grayish brown (10YR 4/2) Silt Loam and brown (10YR 4/3) Sandy Loam; interbedded; unleached.
220-228	C5	Very coarse sand; unleached.
228-230	C6	Sandy Loam; unleached.
230-304	C7	Sand; medium to coarse grading down to coarse; unleached.

Core 6 (100N/40W)

Depth (cm)	Stratum/Horizon	Description
0-33	Ap	Silt Loam; very dark gray (10YR 3/1) poorly sorted; abrupt boundary.
33-103	C1	Silt Loam to loam; moderate medium subangular blocky structure; unleached.
103-131	C2	Few thin laminae; unleached; very abrupt boundary.
131-140	C3	Loamy Sand; brown (10YR 4/3); unleached.
140-167	C4	Silt Loam to Sandy Loam; dark grayish brown (10YR 4/2); unleached.
167-213	C5	Sand; brown (10YR 4/3 – 5/3); medium to coarse; unleached.

Core 7 (80N/40W)

Depth (cm)	Stratum/Horizon	Description
0-29	Ap	Silt Loam; very dark brown (10YR 2/2); unleached.
29-45	AC	Silt Loam; very dark grayish brown (10YR 3/2); unleached; very abrupt boundary.

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45-47	C1	Loamy Sand bed; unleached; very fine textured.
47-56	C2	Silt Loam; very dark grayish brown (10YR 3/2); unleached.
56-80	C3	Silt Loam; brown (10YR 4/3); unleached; very abrupt boundary.
122-145	C5	Sand; brown (10YR 5/3); coarse and very coarse textured; occasional pebbles; unleached.

Core 8 (60N/40W)

Depth (cm)	Stratum/Horizon	Description
0-17	Ap1	Silt Loam to Sandy Loam; very dark grayish brown (10YR 3/2); very abrupt boundary.
17-32	Ap2	Silt Loam; very dark brown – black (10YR 2/2 – 2/1); unleached; very abrupt boundary.
32-59	C1	Silt Loam; very dark grayish brown (10YR 3/2); unleached.
59-61	C2	Sand and Sandy Loam; unleached; laminated.
61-70	C3	Silt Loam; very dark grayish brown (10YR 3/2); unleached.
70-72	-	Very thin Sand laminae.
72-80	C4	Sand; very dark grayish brown (10YR 3/2); unleached.
80-128	C5	Sandy Loam; brown (10YR 4/3); very fine textured; unleached.
128-155	C6	Sandy Loam; dark brown (10YR 3/3); slightly sticky; unleached; very abrupt boundary.
155-180	2C	Sand; brown (10YR 5/3); very coarse textured; unleached.

Core 9 (40N/40W)

Depth (cm)	Stratum/Horizon	Description
0-19	Ap	Sandy Loam; very dark yellowish brown (10YR 3/2); leached; abrupt boundary.
19-40	A	Silt Loam; black (10YR 2/1); leached; gradual boundary.
40-104	AC	Silt Loam; very dark grayish brown (10YR 3/2); unleached; massive.
104-132	C1	Sandy Loam; brown (10YR 4/3); unleached; very abrupt boundary.
132-140	C2	Sand; yellowish brown (10YR 5/4); coarse; unleached; very abrupt boundary.
140-146	C3	Sandy Loam; very dark grayish brown (10YR 3/2); unleached; very abrupt boundary.
146-158	C4	Sandy Loam with scattered granules; brown (10YR 4/3); unleached.
158-184	C5	Sand; brown (10YR 5/2); coarse and very coarse textured; unleached.

Core 10 (20N/40W)

Depth (cm)	Stratum/Horizon	Description
0-22	Ap	Sandy Loam to Silt Loam; very dark grayish brown – very dark brown (10YR 3/2 – 2/2); leached; abrupt boundary.
22-42	A1	Silt Loam – Sandy Loam; black (10YR 2/1); leached; abrupt textural change.
42-52	A2	Silt Loam; black (10YR 2/1); trace of very fine sand; unleached; clear boundary.
52-130	AC	Silt Loam; very dark grayish brown (10YR 3/2); unleached.
130-133	C1	Sandy Loam bed; unleached.
133-140	C2	Silt Loam; very dark grayish brown – dark grayish brown (10YR 4/2 – 3/2); unleached; abrupt boundary.
140-163	C3	Sandy Loam; dark brown (10YR 4/3); unleached.
163-170	C4	Sand laminae.
170-180	C5	Sandy Loam laminae.
180-190	C6	Sand; unleached.

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Core 11 (20N/20W)

Depth (cm)	Stratum/Horizon	Description
0-30	Ap	Silt Loam; very dark brown (10YR 2/2); leached; very abrupt boundary.
30-40	C1	Silt Loam; very dark grayish brown (10YR 3/2); unleached.
40-42	C2	Sand bed with 2-3 cm pebbles; unleached.
42-56	C3	Silt Loam; moderate sand mode; very dark grayish brown (10YR 3/2); unleached.
56-65	C4	Silt Loam; very dark grayish brown (10YR 3/2); medium sand mode; unleached.
65-151	C5	Silt Loam; stratified with thick silt loam beds and thin sand and sandy loam beds; very dark grayish brown (10YR 3/2); unleached.
151-160	C6	Sand; brown (10YR 4/3); fine – medium textured; unleached.
160-170	C7	Silt Loam; very dark grayish brown (10YR 3/2); unleached.
170-213	C8	Interbedded Sand and Silt Loam; unleached.

Core 12 (40N/20W)

Depth (cm)	Stratum/Horizon	Description
0-20	Ap	Silt Loam – Sandy Loam; black (10YR 2/1); leached; very abrupt boundary.
20-50	C2	Silt Loam; very dark grayish brown (10YR 3/2); darker with depth; unleached; very abrupt boundary.
50-137	C3	Sandy Loam; very dark grayish brown – brown (10YR 3/2 – 3/3); bedded; unleached; very abrupt boundary.
137-162	C4	Silt Loam; brown (10YR 4/3); unleached.
162-170	C5	Sand bed; unleached
170-181	C6	Silt Loam; very dark grayish brown – brown (10YR 4/3); unleached.
181-213	C7	Coarse to very coarse sand; unleached.

Core 13 (60N/20W)

Depth (cm)	Stratum/Horizon	Description
0-26	Ap	Silt Loam; black (10YR 2/1); very abrupt boundary.
26-65	AC	Silt Loam to Sandy Loam; very dark grayish brown (10YR 3/2); two sandy laminae; clear boundary.
65-72	C1	Sandy Loam; brown (10YR 4/3)
72-82	C2	Silt Loam; very dark grayish brown (10YR 3/2); unleached.
82-126	C3	Sandy Loam; brown (10YR 5/3).
126-140	C4	Silt Loam; very dark grayish brown (10YR 3/2); large very fine sand mode; unleached; very abrupt boundary.
140-162	C5	Sandy Loam; brown (10YR 4/3).
162-178	C6	Sand; pale brown (10YR 6/3); coarse and very coarse textured; few pebbles; unleached.
178-213	C7	Silt Loam grading down to Sandy Loam; very coarse sand at base

Core 14 (80N/20W)

Depth (cm)	Stratum/Horizon	Description
0-25	Ap	Silt Loam; very dark brown (10YR 2/2); very abrupt boundary.
25-42		Silt Loam; very dark grayish brown (10YR 3/2); black laminae at 32 cm; clear boundary.
42-50	C2	Silt Loam – Sandy Loam; very dark grayish brown – brown (10YR 3/2 – 4/3); very abrupt boundary.
50-102	C3	Silt Loam; very dark grayish brown (10YR 3/2); small sand fraction.
102-132	C4	Silt Loam; very dark grayish brown (10YR 3/2); large very fine sand mode.
132-142	C5	Silt Loam; very dark grayish brown – dark brown (10YR 3/2 – 3/3).
142-213	C6	Bedded Sandy Loam and Sand with one silty clay loam bed.

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Core 15 (100N/20W)

Depth (cm)	Stratum/Horizon	Description
0-30	Ap	Silt Loam; black (10YR 2/1); leached; clear boundary.
30-52	AC	Silt Loam; very dark grayish brown – very dark brown (10YR 3/2 – 2/2); unleached; abrupt boundary.
52-66	C1	Silt Loam; very dark grayish brown (10YR 3/2); large very fine sand mode; few lighter inclusions.
66-78	C2	Very dark grayish brown (10Yr 3/2) with dark inclusions.
78-160	C3	Silt Loam; very dark brown (10YR 3/2); with large very fine sand mode; very fine sand laminae at 151 cm.
160-170	C5	Laminated Sandy Loam and Silt Loam.
170-213	C6	Silt Loam to Silty Clay Loam; dark grayish brown (10YR 4/2); sandy loam laminae at 85 cm.

Core 16 (80N/0W)

Depth (cm)	Stratum/Horizon	Description
0-20	Ap	Silt Loam; mix of black and very dark grayish brown and brown (10YR 2/1, 3/2, 4/3); unleached; abrupt boundary.
20-59	C1	Silt Loam; very dark grayish brown (10YR 3/2); moderate sand mode; unleached; very abrupt boundary.
59-65	C2	Sandy Loam; very dark grayish brown – dark grayish brown (10YR 3/2 – 2/2); unleached.
65-67	C3	Sandy Loam; brown (10YR 4/3); very fine textured sand; unleached.
67-127	C4	Silt Loam; very dark grayish brown (10YR 3/2); unleached; very abrupt boundary.
127-155	C5	Sandy Loam; brown (10YR 4/3); few pebbles; unleached; abrupt boundary.
155-213	C6	Sand; pale brown (10YR 6/3); coarse and very coarse textured; unleached.

Core 17 (60N/0W)

Depth (cm)	Stratum/Horizon	Description
0-26	Ap1	Silt Loam; black (10YR 2/1); very abrupt boundary.
26-38	Ap2	Sandy Loam; very dark grayish brown (10YR 3/2); mixed with brown (10YR 4/3) sand; abrupt boundary.
38-53	C1	Silt Loam; very dark grayish brown (10YR 3/2); sand laminae at 50 cm.
53-64	C2	Silt Loam and Sandy Loam; thin bedded.
64-105	C3	Silt Loam; very dark grayish brown (10YR 3/2); thin medium sand laminae at 73 cm.
105-150	C4	Silt Loam; very dark grayish brown (10YR 3/2); sandy laminae at 130 cm.
150-160	C5	Sandy Loam; very dark grayish brown (10YR 3/2); medium to coarse.
160-213	C6	Sand; brown (10YR 5/3); very coarse and coarse; pebbles.

Core 18 (40N/0W)

Depth (cm)	Stratum/Horizon	Description
0-22	Ap1	Silt Loam; very dark brown (10YR 2/2); unleached; clear boundary.
22-36	Ap2	Silt Loam; very dark grayish brown and very dark brown (10YR 3/2 and 2/2); black bed at base; unleached; very abrupt boundary.
36-60	C1	Silt Loam; very dark grayish brown (10YR 3/2); large very fine sand mode; unleached; abrupt boundary.
60-126	C2	Sandy Loam; brown (10YR 4/3); very fine textured; unleached; very abrupt boundary.
126-213	2C3	Sand; very coarse and coarse textured with granules and pebbles; unleached.

City Property Test Locale

Core 19 (20N/0W)

Depth (cm)	Stratum/Horizon	Description
0-32	Ap	Silt Loam – Sandy Loam; very dark brown (10YR 2/2); very abrupt boundary.
32-105	C1	Silt Loam; very dark grayish brown (10YR 3/2); very fine sand laminae at 67 and 74 cm.
105-152	C2	Silt Loam; bedded and mixed very dark grayish brown and dark brown (10YR 3/2 and 3/3); few pebbles.
152-155	C3	Coarse sand laminae.
155-170	C4	Loam; very dark brown (10YR 2/2); very abrupt boundary.
170-180	C5	Sand; coarse and very coarse; common pebbles.

Clement Test Locale

Core 1 (0N, 0W)

Depth	Stratum/Horizon	Description
0-19	Ap	Silt Loam; very dark grayish brown (10YR 3/2); very abrupt boundary.
19-30	AC	Silt Loam; dark grayish brown (10YR 4/3); weak medium granular; very abrupt boundary.
30-34	C1	Loamy Sand; brown (10YR 5/2); medium textured sand; very abrupt boundary.
34-40	C2	Silt Loam; indistinct lamination; dark grayish brown & very dark grayish brown (10YR 4/2); very fine sand laminae at base; very abrupt boundary.
40-62	C3	Loamy Sand; brown (10YR 4/3); fine and very fine textured; loose; bedded; very abrupt boundary.
62-74	C4	Silt Loam and Loam; dark grayish brown (10YR 4/2); laminated; very fine textured sand; common redox features; occasional pebbles; very abrupt boundary.
74-105	C5	Sandy Loam; brown – dark grayish brown (10YR 4/3 – 4/2).
105-146	C6	Sand; brown (10YR 4/3); medium and coarse textured; many high chroma redox features; loamy inclusions; abrupt boundary.
146-160	2C7	Sand; coarse textured sand grading down to very coarse sand and pebbles; very abrupt boundary.
160-162	2C8	Loam; dark yellowish brown – strong brown (10YR 4/3 – 7.5YR 4/2).
162-178	2C9	Sand; coarse textured sand and pebbles; abrupt boundary.
178-213	2C10	Sandy Loam; grayish brown to brown (10YR 5/2 – 5/3); medium to coarse.
213-250	2C11	Coarse sand granules and fine gravel.
250-304	2C12	Sand; brown (10YR 5/3); fine grading to medium – coarse textured; occasional gravel.

Core 2 (0N, 20W)

Depth	Stratum/Horizon	Description
0-21	Ap	Silt Loam; very dark gray – very dark grayish brown (10YR 3/1 – 3/2); very abrupt boundary.
21-57	A	Silt Loam; very dark gray (10YR 3/1); moderate medium parting to fine subangular blocky structure; abrupt boundary.
57-82	C1	Silt Loam; dark grayish brown (10YR 4/2); many distinct redox features; weak and medium subangular blocky structure; abrupt boundary.
82-90	C2	Silt Loam; dark gray (10YR 4/1); redox features are linear and parallel to bedding; massive; very abrupt boundary.
90-125	C3	Sandy Loam; brown (10YR 4/3); blebs of loam.
125-151	C4	Sand; pale brown (10YR 6/3); medium grading down to very coarse textured; very abrupt boundary.
151-168	C5	Interbedded Loamy Sand and light colored fine sand; gray (10YR 5/1); few coarse sand laminae; abrupt boundary.
168-213	C6	Sand; dark grayish brown (10YR 4/2)
213-304	2C7	Sand; dark grayish brown (10YR 4/2 – 4/3); coarse and very coarse with gravel.

Core 3 (0N, 40W)

Depth	Stratum/Horizon	Description
0-23	Ap	Silt Loam; very dark brown (10YR 2/2); few fine gravel clasts; very abrupt boundary.
23-53	Bw1	Silt Loam; dark grayish brown (10YR 4/2); moderate medium – fine subangular blocky; few redox features; redox features increase in % with depth; abrupt boundary.

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53-60	Bw2	Sandy Loam to Loam; dark grayish brown (10YR 4/2); many redox features; sand texture is fine and very fine; weak structure; abrupt boundary.
60-71	BC	Sandy Loam to Silt Loam; dark gray (10YR 4/1); many prominent redox features; massive; abrupt boundary.
71-80	C1	Silt Loam; dark gray (10YR 4/1); no sand; very abrupt boundary.
80-110	2C2	Sand; dark yellowish brown and strong brown (10YR 4/6 and 7.5YR 4/6); medium – coarse textured; abrupt boundary.
110-135	2C3	Sand; dark yellowish brown (10YR 4/4); medium to coarse textured with small %; very coarse sand and granules; clear boundary.
135-170	2C4	Sand; brown (10YR 5/3); medium to coarse-textured.
170-213	2C5	Sand and Gravel; sand is coarse and very coarse-textured.

Core 4 (0N, 60W)

Depth	Stratum/Horizon	Description
0-27	Ap	Sandy Loam to Silt Loam; very dark grayish brown (10YR 3/2); very abrupt boundary.
27-57	A	Silt Loam; very dark brown (10YR 2/2); large sand mode; sand laminae at 44cm; weak medium subangular blocky structure; clear boundary.
57-73	AB	Silt Loam; very dark grayish brown (10YR 3/2); fine and medium subangular blocky structure; abrupt boundary.
73-127	Bw1	Silt Loam to Sandy Loam; dark grayish brown (10YR 4/2); few redox features; moderate fine to medium subangular blocky structure; abrupt boundary.
127-144	C1	Silt Loam; dark gray (10YR 4/1); sticky; many distinct redox features; very abrupt boundary.
144-160	C2	Sandy Loam; grayish brown to dark grayish brown (10YR 4/2 – 5/2); fine textured; few sand lenses around 152 cm; very abrupt boundary.
160-213	2C	Gravelly Sand; brown (10YR 5/3); coarse and very coarse textured.

Core 5 (0N, 80W)

Depth	Stratum/Horizon	Description
0-24	Ap1	Silt Loam; very dark grayish brown (10YR 3/2); leached; abrupt boundary.
24-40	Ap2	Silt Loam; very dark grayish brown (10YR 3/2); interbedded with dark yellowish brown sandy loam; large sand mode; leached; abrupt boundary.
40-128	Bw	Sandy Loam; brown (10YR 4/3); dark blebs of fine sandy loam; leached; very abrupt boundary.
128-156	C1	Silt Loam; dark grayish brown – grayish brown (10YR 4/2 – 3/2); sticky; laminated; many redox features; white nodules at base; leached; very abrupt boundary.
156-177	C2	Silty Clay Loam; dark grayish brown (10YR 4/2); slightly sticky; many redox features; leached; very abrupt boundary.
177-180	C3	Loam; dark gray (10 YR 4/1).
180-240	C4	Sand; pale brown to brown (10YR 6/3 – 5/3); medium sand interbedded with silt loam; leached; very abrupt boundary.
240-304	2C5	Sand; brown (10YR 4/3); coarse and very coarse textured; fine gravel; leached.

Core 6 (0N, 100W)

Depth	Stratum/Horizon	Description
0-42	Ap/A	Sandy Loam; very dark grayish brown – very dark brown (10YR 3/2); base of Ap not visible; abrupt boundary.
42-64	AC	Sandy Loam; very dark grayish brown (10YR 3/2); weak blocky parting; fine textured sand; abrupt boundary.

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64-82	C1	Loamy Sand; brown (10YR 4/3); fine with some very fine sand; very abrupt boundary.
82-158	C2	Sandy Loam; very dark grayish brown (10YR 3/2); very fine and fine textured sand; large silt mode; silt % increases with depth; charcoal fleck at base; very abrupt boundary.
158-172	C3	Sandy Loam; brown (10YR 4/3); fine textured sand; common redox features; abrupt boundary.
172-180	C4	Sandy Loam; grayish brown – dark grayish brown (10YR 5/2 – 4/2); very fine textured; disseminated with carbonates (light effervescence); very abrupt boundary.
180-213	C5	Sandy Loam; brown and dark grayish brown (10YR 4/3 – 4/2); fine and very fine textured; few silty laminae; abrupt boundary.
213-255	C6	Interbedded pale brown sand with many redox features and very fine sandy loam; dark gray to dark grayish brown (10YR 5/2 & 4/3).
255-262	C7	Interbedded fine to very fine sand and sandy loam; brown (10YR 4/1); very abrupt boundary.
262-340	C8	Sand; brown – dark grayish brown (10YR 5/3 – 4/2); fine textured; single sandy loam bed.

Core 7 (20N, 90W)

Depth	Stratum/Horizon	Description
0-26	Ap	Sandy Loam; very dark grayish brown (10YR 3/2); fine textured sand; abrupt boundary.
26-30	Ap2	Sandy Loam; mix of brown and very dark brown (10YR 4/3 – 3/2); very abrupt boundary.
30-52	Bw	Silt Loam to Sandy Loam; very dark grayish brown (10YR 3/2); slight increase in sand % with depth; weak medium to fine subangular blocky structure; very abrupt boundary.
52-76	C1	Sand; brown (10YR 4/3); fine textured; loose; very abrupt boundary.
76-122	C2	Sandy Loam; dark brown & brown (10YR 3/3 & 4/3); very weak medium subangular blocky structure; abrupt boundary.
122-138	C3	Sand; brown and pale brown (10YR 4/3 & 6/3); fine textured; blebs; loose; very abrupt boundary.
138-142	C4	Loam; dark grayish brown (10YR 4/2); thin sandy loam bed at base; unleached; very abrupt boundary.
42-190	C5	Silt Loam; grayish brown (10YR 5/2); heavy; unleached; disseminated white masses; common redox features that increase abundance below 168cm.
190-235	C6	Interlaminated fine and very fine sand with very fine sandy loam; many prominent redox features; leached; very abrupt boundary.
235-240	C7	Loam; gray (10YR 5/1); leached.
240-253	C8	Loamy Sand; yellowish red (5Y 4/2); fine textured; leached; very abrupt boundary.
253-267	C9	Silt Loam; dark gray (10YR 4/1); sticky; leached.
267-304	2C10	Sand and Gravel; very coarse textured sand; leached; brown (10YR 5/3).

Core 8 (20N, 70W)

Depth	Stratum/Horizon	Description
0-15	Ap1	Loamy Sand; very dark grayish brown (10YR 3/2); fine textured sand; leached; very abrupt boundary.
15-37	Ap2	Silt Loam – Sandy Loam; very dark grayish brown – black (10YR 3/2 – 2/1); leached; very abrupt boundary.
37-50	Ap3	Sandy Loam – Silt Loam; very dark grayish brown (10YR 3/2); leached; very abrupt boundary.

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50-60	Ap4	Silt Loam; very dark grayish brown – dark brown (10YR 3/2 – 2/2); leached; clear boundary.
60-69	Ab	Silt Loam; black (10YR 2/1); charcoal; leached; abrupt boundary. Augered (entire stratum)/NCM
69-136	Bwb	Silt Loam; dark grayish brown (10YR 4/2); medium sand mode; many redox features; leached; weak medium to fine subangular blocky.
136-150	C1b	Loam; dark grayish brown (10YR 4/2); few sand laminae; many redox features; leached; very abrupt boundary.
150-163	C2b	Silt Loam; dark grayish brown (10YR 4/2); many redox features; leached; very abrupt boundary.
163-185	2C3b	Sand; brown (10YR 5/3); fine to medium; leached; clear boundary.
185-213	2C4b	Gravelly Sand; coarse and very coarse textured; leached.

Core 9 (20N, 50W)

Depth	Stratum/Horizon	Description
0-33	Ap/A	Silt Loam; very dark brown – black (10YR 2/2 – 2/1); large very fine sand mode; clear boundary.
33-46	Bw	Silt Loam; very dark grayish brown (10YR 3/2); medium-fine sand mode; very abrupt boundary.
46-56	Krotavina	Loose mix of very dark grayish brown & very dark brown soil.
56-72	Bw	Silt Loam; dark grayish brown (10YR 4/2); large fine sand mode; common redox features; medium subangular blocky structure; very abrupt boundary.
72-83	CB	Silt Loam to Sandy Loam; dark grayish brown (10YR 4/2); many redox features some along bed planes; abrupt boundary.
83-124	C1	Silt Loam; dark grayish brown (10YR 4/2); trace of sand; many redox features; very abrupt boundary.
124-169	2C2	Sand; brown to yellowish brown (10YR 5/3 – 5/4); medium textured.
169-213	2C3	Coarse Sand with fine gravel.

Core 10 (20N, 30W)

Depth	Stratum/Horizon	Description
0-31	Ap	Silt Loam; very dark grayish brown – very dark brown (10YR 3/2 – 3/3); medium-fine sand mode; few lighter colored lenses at base; very abrupt boundary.
31-58	AB	Silt Loam; very dark gray (10YR 3/1); trace sand; moderate fine subangular blocky structure; abrupt boundary.
58-84	Bw	Silt Loam; dark grayish brown (10YR 4/2); many redox features; weak fine subangular blocky structure; abrupt boundary.
84-108	BC	Silt Loam; dark grayish brown (10YR 4/2); large very fine sand mode; many redox features.
108-137	C1	Silt Loam; dark gray (10YR 4/1); no sand; sticky; many redox features; abrupt boundary.
137-160	C2	Interbedded brown (10YR 5/3); fine to medium sand with dark gray (10YR 5/2); sandy loam; few pebbles; abrupt boundary.
160-170	C3	Interbedded dark gray (10YR 4/1) silt loam and grayish brown (10YR 5/2) sandy loam; very abrupt boundary.
170-213	2C4	Gravelly Sand; medium to very coarse textured sand.

Core 11 (20N, 10W)

Depth	Stratum/Horizon	Description
0-15	Ap	Silt Loam; very dark grayish brown (10YR 3/2); very abrupt boundary.
15-20	C1	Sandy Loam; brown (10YR 4/3) very abrupt boundary.
20-45	C2	Sandy Loam; brown (10YR 4/3); mixed with some very dark grayish brown sandy loam.

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45-55	C3	Laminated very fine sandy loam; brown (10YR 4/3); occasional redox features; very abrupt boundary.
55-145	C4	Layers of brown and pale brown (10YR 4/2) fine to medium sand and dark gray (10YR 4/2) very fine sandy loam; white disseminated masses.
145-200	2C5	Sand; brown (10YR 5/3); medium to coarse-textured with granules.
200-213	2C6	Gravelly Sand; coarse and very coarse textured sand.

Core 12 (40N, 0W)

Depth	Stratum/Horizon	Description
0-21	Ap1	Silt Loam; very dark grayish brown – very dark brown (10YR 3/2 – 2/2); large very fine sand mode; very abrupt boundary.
21-37	Ap2	Sandy Loam; dark brown (10YR 3/3); fine textured sand; loose; very abrupt boundary.
37-46	Bw	Silt Loam; very dark grayish brown (10YR 3/2); small fine sand mode; abrupt boundary.
46-51	BC	Silt Loam; dark grayish brown (10YR 4/2); unleached; very thin laminae at base; very abrupt boundary.
51-80	C1	Silt Loam; grayish brown (10YR 5/2); large very fine sand mode; many redox features; unleached; very abrupt boundary.
80-90	2C2	Loamy Sand; brown (10YR 4/3); fine and medium textured.
90-213	2C3	Gravelly Sand; medium to very coarse textured.

Core 13 (40N, 20W)

Depth	Stratum/Horizon	Description
0-27	Ap	Silt Loam; very dark grayish brown – very dark gray (10YR 3/2 – 3/1); medium sand mode; very abrupt boundary.
27-35	C1	Silt Loam; very dark grayish brown (10YR 3/2); increasing sand % with depth; leached; very abrupt boundary.
35-41	C2	Sandy Loam; brown (10YR 4/3); few shell fragments; loose; unleached; very abrupt boundary.
41-55	C3	Sandy Loam; brown – dark grayish brown (10YR 4/3 – 4/2); unleached; very abrupt boundary.
55-65		Loamy Sand; brown (10YR 4/3); fine to medium textured
65-70	C4	Sandy Loam; dark grayish brown (10YR 4/2); very fine textured; unleached; laminated; very abrupt boundary.
70-86	C5	Loamy Sand; brown (10YR 4/3); fine to medium textured
86-90	C6	Sandy Loam; dark grayish brown (10YR 4/2); very fine textured; unleached; laminated; very abrupt boundary.
90-109	C7	Loamy Sand; brown (10YR 4/3); fine to medium textured
109-130	C8	Silt Loam; dark grayish brown to dark gray (10YR 4/2 – 4/1); sticky; unleached; abrupt boundary.
130-155	C9	Sand; brown to yellowish brown (10YR 5/3 – 5/4); fine and very fine textured; many prominent high chroma redox features; very abrupt boundary.
155-160	C10	Loamy Sand; gray (10YR 5/1); fine textured; laminated; leached.
160-180	C11	Sand; brown (10YR 5/3); fine textured.
180-213	2C12	Sand and Gravel; very coarse and coarse textured.

Core 14 (40N, 40W)

Depth	Stratum/Horizon	Description
0-30	Ap	Silt Loam; very dark gray – very dark grayish brown (10YR 3/1 – 3/2); fine sand mode; slightly sandier at base; abrupt boundary.
30-49	A	Silt Loam; very dark gray (10YR 3/1); weak medium subangular blocky structure; abrupt boundary.

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49-65	Bw	Silt Loam; dark grayish brown (10YR 4/2); weak and medium subangular blocky structure; abrupt boundary.
65-80	C1	Sandy Loam; dark grayish brown and brown (10YR 4/2 & 4/3); leached; very abrupt boundary.
80-127	C2	Silt Loam; dark grayish brown (10YR 4/2); moderate sand mode; sticky; sand % increased with depth; sand bed at 94cm; redox features below sand bed.
127-140	C3	Sand; brown – pale brown (10YR 5/3 – 6/3); very fine and fine textured.
140-213	2C4	Gravelly Sand: very coarse and coarse textured sand.

Core 15 (40N, 60W)

Depth	Stratum/Horizon	Description
0-18	Ap1	Silt loam to Sandy Loam; very dark grayish brown (10YR 3/2); very abrupt boundary.
18-41	Ap2	Silt Loam; very dark grayish brown – very dark gray (10YR 3/2 – 3/1); moderate fine sand mode.
41-71	Bw	Silt Loam; very dark grayish brown (10YR 3/2); moderate medium – fine subangular blocky.
71-122	C1	Loamy Sand; brown (10YR 4/3); fine textured sand.
122-140	C2	Silt Loam; dark grayish brown (10YR 4/2); large very fine sand mode; many redox features; clear boundary.
140-155	C3	Silt Loam; dark grayish brown to dark gray (10YR 4/2 – 4/1); small sand %; many redox features; very abrupt boundary.
155-213	2C4	Gravelly Sand: very coarse and coarse textured sand.

Core 16 (40N, 80W)

Depth	Stratum/Horizon	Description
0-31	Ap	Sandy Loam; very dark grayish brown (10YR 3/2); abrupt boundary.
31-76	C1	Loamy Sand; brown (10YR 4/3); fine textured; few thin beds of silt loam; very abrupt boundary.
76-82	C2	Silt Loam; very dark grayish brown & very dark brown (10YR 3/2 & 2/2); laminated; abrupt boundary.
82-136	C3	Silt Loam; dark brown to brown (10YR 3/3 – 4/3); grades down to sandy loam; unleached; few very small shell fragments.
136-141	C4	Sand; brown (10YR 4/3); fine textured.
141-170	C5	Weakly bedded brown (10YR 4/3) fine sand and sandy loam; very abrupt boundary.
170-213	C6	Silt Loam; dark grayish brown (10YR 4/2); bedded; many redox features; clear boundary.
213-304	2C7	Gravelly Sand: very coarse and coarse textured sand.

Core 17 (40N, 100W)

Depth	Stratum/Horizon	Description
0-43	Ap	Silt Loam; very dark grayish brown – very dark brown (10YR 3/2 – 4/2); moderate fine sand mode; very abrupt boundary.
43-58	AB	Sandy Loam; very dark grayish brown (10YR 3/2).
58-145	Bw	Sand and Loamy sand; brown (10YR 4/3); occasional blebs of dark yellowish brown (10YR 5/6) sandy loam; very abrupt boundary.
145-155	BC	Silt Loam to Sandy Loam; dark brown (10YR 3/3).
155-182	C1	Silt Loam; dark grayish brown (10YR 4/2); disseminated white masses; many redox features; very abrupt boundary.
182-235	C2	Sand; brown and dark grayish brown (10YR 4/3 & 4/3); fine to medium textured; many redox features.

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235-260	C3	Silt Loam and sandy loam; dark grayish brown to dark gray (10YR 4/2 – 4/1); laminated; many redox features.
260-304	C4	Gravelly Sand: very coarse and coarse textured sand.

Core 18 (10N, 100W)

Depth	Stratum/Horizon	Description
0-18	Ap	Sandy Loam; very dark grayish brown (10YR 3/2); abrupt boundary.
18-38	Ap2	Sandy Loam; brown (10YR 4/3); abrupt boundary.
38-40	Ap3	Sand; brown (10YR 4/3); abrupt boundary.
40-103	Bw	Sandy Loam; brown to dark brown (10YR 4/3 – 3/3); weak medium subangular blocky structure; clear boundary.
103-110	C1	Sand; brown (10YR 4/3); fine – medium textured.
110-150	C2	Sand and Loamy Sand; brown (10YR 4/3) and dark brown (10YR 3/3); indistinct bedding; very abrupt boundary.
150-168	C3	Silt Loam to Sandy Loam; grayish brown – dark grayish brown (10YR 5/2 – 4/2); unleached; common redox features.
168-213	C4	Sand; brown (10YR 4/3 – 5/3); fine textured; common redox features.
213-245	C5	Silt Loam; interlaminated; fine; gray (10YR 5/1); very abrupt boundary.
245-304	2C	Gravelly Sand: very coarse and coarse textured sand.

Core 19 (0N, 90W)

Depth	Stratum/Horizon	Description
0-33	Ap	Sandy Loam; very dark grayish brown (10YR 3/2); lighter colored sand at base; abrupt boundary.
33-40	Bw	Silt Loam; very dark grayish brown (10YR 3/2); moderate fine and very fine sand mode; weak medium subangular blocky structure; leached; clear boundary.
40-137	C1	Sandy Loam; brown (10YR 4/3); indistinct stratification; sand laminae at 68 cm.
137-144	C2	Sandy Loam; dark grayish brown (10YR 4/2); fine textured; unleached; abrupt boundary.
144-150	C3	Loamy Sand; brown (10YR 5/3).
150-153	C4	Sandy Loam; dark grayish brown (10YR 4/2); fine textured; unleached; common redox features.
153-205	C5	Loamy sand; brown (10YR 4/3); leached; abrupt boundary.
205-213	C6	Silt Loam; dark grayish brown – grayish brown (10YR 4/5 – 5/2); laminated; many redox features; unleached.

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Core 1 (100N/0W)

Depth (cm)	Stratum/Horizon	Description
0-21	Ap	Silt Loam; very dark grayish brown (10YR 3/2); very abrupt boundary.
21-122	A	Silty Clay Loam; very dark gray (10YR 3/1); unleached.
122-171	3Cg	Clay; very dark gray – dark gray (10YR 3/1 – 4/1); increased silt percent with depth; few indistinct beds at base; unleached; very abrupt boundary.
171-183	4C1	Loamy Sand; grayish brown – dark grayish brown (10YR 5/2 – 4/2); fine to medium textured; unleached.
183-236	4C2	Sand; brown to pale brown (10YR 5/3 – 6/3); fine and medium textured; unleached.
236-280	4C3	Sand; brown (10YR 5/3); medium to very coarse textured; unleached.
280-304	4C4	Sand; coarse and very coarse textured; common granules; unleached.

Core 2 (80N/0W)

Depth (cm)	Stratum/Horizon	Description
0-21	Ap	Silt Loam; very dark grayish brown (10YR 3/2); unleached; very abrupt boundary.
21-85	A	Silty Clay Loam; very dark gray (10YR 3/1); unleached.
85-162	3ACb	Clay; very dark gray (10YR 3/1 – 5Y 3/1); massive; unleached; very abrupt boundary.
162-213	4C1	Sand; pale brown (10YR 6/3); medium to coarse textured; unleached.

Core 3 (60N/0W)

Depth (cm)	Stratum/Horizon	Description
0-18	Ap	Silt Loam; very dark grayish brown (10YR 3/2); very abrupt boundary.
18-47	C	Silt Loam; very dark grayish brown – dark grayish brown (10YR 3/2 – 4/2); heavy; laminated; leached; very abrupt boundary.
47-60	C2	Silt Loam; very dark grayish brown & very dark brown (10YR 3/2 & 2/2); laminated; unleached; very abrupt boundary.
60-97	2Ab	Silt Loam; very dark gray – very dark grayish brown (10YR 3/1 – 3/2); medium fine subangular blocky structure; unleached; gradual boundary.
97-166	3Ab	Silty Clay Loam; very dark gray (10YR 3/1); occasional dark yellowish brown soil inclusions; unleached; abrupt boundary. Augered (entire stratum)/NCM
166-228	3Cgb	Silty Clay Loam; very dark gray (5Y 3/1); common shell fragments; few organic fragments; unleached; very abrupt boundary.
228-247	4Cgb1	Loamy sand; very dark gray – black (5Y 3/1 – 2.5/1); very coarse to granular; snail shells; few fine pebbles; unleached; abrupt boundary.
247-304	4Cgb2	Sand; grayish brown (2.5Y 5/2); medium – very coarse textured; unleached.

Core 4 (40N/0W)

Depth (cm)	Stratum/Horizon	Description
0-27	Ap	Silt Loam; very dark grayish brown (10YR 3/2).
27-48	C	Silt Loam; dark grayish brown & very dark grayish brown (10YR 3/2 & 4/2); laminated; leached; very abrupt boundary.
48-96	2Ab	Silt Loam; very dark gray (10YR 3/1); medium fine granular structure; unleached; clear boundary. Augered (entire stratum)/NCM
96-154	3Ab	Silty Clay Loam; very dark gray (10YR 3/1); subangular blocky structure; roots; shell fragments; unleached; abrupt boundary. Augered (95-125 cm)/NCM
154-177	3Cgb1	Clay; very dark gray-dark gray (5Y 3/1 – 4/1); common shell fragments; unleached; very abrupt boundary.

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177-181	4Cgb2	Sandy Loam; dark grayish brown (2.5Y 4/2); unleached; very abrupt boundary.
181-237	4Cgb3	Silty Clay Loam – Clay Loam; very dark gray – dark olive green (5Y 3/1 – 3/2); slight increase in sand % and sand size with depth; massive; unleached; common small shells; very abrupt boundary.
237-270	4Cgb4	Silt Loam to Loam; dark greenish gray (10Y 3/1); moderate very fine mode; common shells and roots; unleached; very abrupt boundary.
270-290	4Cgb1	Sand; olive brown (2.5Y 4/3); medium and coarse textured; unleached.
290-304	4Cgb2	Sand; light brownish gray (2.5Y 6/2); fine and medium textured; unleached.

Core 5 (20N/0W)

Depth (cm)	Stratum/Horizon	Description
0-33	Ap	Silt Loam; very dark grayish brown (10YR 3/2); unleached; abrupt boundary.
33-122	C	Loam; very dark grayish brown (10YR 3/2); unleached; sticky.
122-126	2Ab1	Silt Loam – Loam; very dark grayish brown – very dark gray (10YR 3/2 – 3/1); very sticky; eroded; unleached; abrupt boundary.
126-140	2Cg1	Sandy Loam; dark grayish brown (10YR 4/2); unleached; abrupt boundary.
140-145	2Cg2	Loam; dark gray (10YR 4/1); sticky; unleached; very abrupt boundary.
145-168	2Ab2	Silt Loam; very dark gray (10YR 3/1 – 5Y 3/1); very fine sand mode; many snail shells; unleached; abrupt boundary.
168-215	2Cg1	Silt Loam; very dark gray (5YR 3/1); many shell fragments; common roots; fine root traces; unleached; occasional redox features.
215-253	3Ab	Silty Clay Loam – Silty Clay; very dark gray (5Y 3/1); common shell fragments and whole shells; common roots; unleached; few redox features.
253-276	3Cg1	Silty clay loam; greenish black (10Y 2.5/1); light; common roots; occasional shell fragments and whole shells; unleached; very abrupt boundary.
276-304	4Cg	Thin bedded very dark gray very fine sandy loam & dark grayish brown – greenish brown (2.5Y 4/2 – 5/2).

Core 6 (0N/0W)

Depth (cm)	Stratum/Horizon	Description
0-60	A/Ap	Silt Loam; very dark gray (10YR 3/1); medium to strong fine subangular blocky; gradual boundary.
60-158	C1	Loam; very dark grayish brown (10YR 3/2); poorly sorted; weak moderate subangular blocky; unleached; very abrupt boundary.
158-192	C2	Silt Loam; very dark gray – very dark grayish brown (10YR 3/1 – 3/2); common shells and shell fragments; unleached; gradual boundary.
192-217	2Ab	Loam; very dark gray (10YR 3/1); sticky; very abrupt boundary.
217-255	2Cg1	Silty Clay Loam; very dark gray (5Y 3/1); few snails; stickier with depth; unleached; abrupt boundary.
255-290	3Ab	Silt Loam – silty clay loam; black (5Y 2.5); common shells and shell fragments; roots; unleached; clear boundary.
290-304	3Cg1	Silt Loam; greenish black (10Y 2.5/1); heavy; mucky; unleached; common roots.

Core 7 (0N/20W)

Depth (cm)	Stratum/Horizon	Description
0-64	A/Ap	Silt Loam; very dark gray (10YR 3/1); unleached; clear boundary.
64-131	C1	Silt Loam; very dark grayish brown (10YR 3/2); few shell fragments; medium fine subangular blocky; unleached; abrupt boundary.
131-134	C2	Silt Loam; very dark gray (10YR 3/1); heavy; unleached; very abrupt boundary.

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134-162	C3	Silt loam – loam; very dark grayish brown – very dark gray (10YR 3/2 – 3/1); sandier with depth; unleached; clear boundary.
162-168	C4	Sandy Loam; dark grayish brown (10YR 4/2); unleached; very abrupt boundary.
168-170	Cg1	Clay Loam; very dark gray (5Y 3/1); unleached; clear boundary.
170-228	2Ab	Silt Loam; very dark gray (5Y 3/1); heavy; occasional redox features to down to 194; stickier with depth; unleached; abrupt boundary.
228-257	3Ab	Silt Loam; black (5Y 2.5/1); heavy; increase in sand % with depth; many organic fragments; shells; gradual boundary.
257-304	4Cg	Sandy Loam and Loam; greenish gray (10YR 3/1); bedded; increase in sand % in depth.

Core 8 (20N/20W)

Depth (cm)	Stratum/Horizon	Description
0-21	Ap	Silty Clay Loam; very dark grayish brown (10YR 3/2); leached; very abrupt boundary.
21-40	C	Silt Loam; laminated; few brown (10YR 4/3) very fine sandy loam laminae; leached; very abrupt boundary.
40-92	2Ab	Silt Loam; very dark gray (10YR 3/1); moderate medium parting to fine subangular blocky structure; single pebble; unleached; very abrupt boundary. Augered (entire stratum)/NCM
92-165	3Ab	Silt Loam; very dark gray – black (10YR 3/1 – 2/1); grading to silty clay loam; medium to strong medium and fine subangular blocky structure; few shell fragments; unleached; very abrupt boundary. Augered (90-125 cm)/NCM
165-238	3Cg1	Silty Clay Loam; very dark gray (5Y 3/1); very thin laminated; slight increase in sand% with depth; common roots and shell fragments; very abrupt boundary.
238-304	4Cg	Sand; grayish brown (2.5Y 5/2); medium to coarse textured.

Core 9 (40N/20W)

Depth (cm)	Stratum/Horizon	Description
0-24	Ap	Silt Loam; very dark gray (10YR 3/1); very abrupt boundary.
24-60	C1	Silt Loam; very dark grayish brown & dark brown (10YR 3/2 & 4/3); laminated; leached; very abrupt boundary.
60-95	2Ab	Silt Loam; very dark gray (10YR 3/1); medium to strong fine granular structure; leached in upper 20 cm; very abrupt boundary. Augered (entire stratum)/NCM
95-149	3Ab	Silty Clay Loam; black (10YR 2/1); moderate fine and medium subangular blocky structure; more clay with depth; unleached; very abrupt boundary. Augered (95-125 cm)/NCM
149-162	3Cg1	Silty Clay Loam; very dark gray – black (5Y 3/1 – 2.5/1); common snails and shell fragments; roots; unleached; gradual boundary.
162-179	4Cg2	Clay Loam; very dark gray (5Y 3/1); roots; unleached; very abrupt boundary.
179-213	4C1	Sand; pale brown (10YR 6/3); medium to very coarse textured; unleached; very thin bedded.

Core 10 (60N/20W)

Depth (cm)	Stratum/Horizon	Description
0-21	Ap	Silt Loam; very dark brown (10YR 3/2); very abrupt boundary.
21-48	C	Silt Loam; laminated very dark grayish brown & brown (10YR 3/2 & 4/2); leached; very abrupt boundary.

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48-90	2Ab	Silt Loam; very dark gray – very dark grayish brown (10YR 3/1 – 3/2); heavy; unleached; medium fine granular structure. Augered (entire stratum)/NCM
90-162	3Ab	Silty Clay Loam; black (10YR 2/1) grading down to very dark gray (10YR 3/1); unleached; abrupt boundary. Augered (95-125 cm)/NCM
162-173	4Cg1	Clay Loam; very dark gray (5Y 3/1); unleached; very abrupt boundary.
173-185	4Cg2	Sandy Loam; olive brown (2.5Y 4/4); unleached.
185-213	4C	Sand; brown to pale brown (10YR 5/3 – 6/3); coarse to very coarse textured; occasional fine pebbles; unleached.

Core 11 (80N/20W)

Depth (cm)	Stratum/Horizon	Description
0-21	2Ap	Silt Loam; very dark grayish brown (10YR 3/2); leached; abrupt boundary.
21-58	2A	Silt Loam; very dark gray (10YR 3/1); medium – strong fine granular structure; unleached; clear boundary. Augered (entire stratum)/NCM
58-66	C	Loam; very dark grayish brown (10YR 3/2); unleached; very abrupt boundary.
66-145	3Ab	Silty Clay Loam; very dark gray (10YR 3/1); medium fine subangular blocky structure; occasional snail shells; unleached; clear boundary. Augered (65-90 cm)/NCM
145-158	4Cgb	Loam; very dark grayish brown – dark olive gray (10YR 3/2 – 5Y 3/2); unleached; very abrupt boundary.
158-160	4Cgb2	Sandy Loam; olive brown (2.5Y 4/4); unleached; clear boundary.
160-213	4C	Sand; pale brown (10YR 6/3); fine and medium textured; bedded; unleached.

Core 12 (100N/20W)

Depth (cm)	Stratum/Horizon	Description
0-21	Ap	Silt Loam; very dark grayish brown (10YR 3/2); very abrupt boundary.
21-40	C	Silt Loam; very dark grayish brown (10YR 3/2); few brown (10YR 4/3) laminae; unleached; clear boundary.
40-94	2Ab	Silt Loam; very dark grayish brown – very dark gray (10YR 3/2 – 2/1); medium-strong fine granular; unleached; very abrupt boundary. Augered (entire stratum)/NCM
94-152	3Ab	Silty Clay Loam; very dark gray (10YR 3/1); medium fine subangular blocky structure; unleached; clear boundary. Augered (95-125 cm)/NCM
152-158	4Cb1	Loam; very dark gray (10YR 3/1); unleached; very abrupt boundary.
158-162	4Cb2	Sandy Loam; very dark grayish brown (10YR 3/2) bedded; unleached; abrupt boundary.
162-213	4C	Sand; brown and pale brown (10YR 5/3 – 6/3); medium and coarse textured; dark grayish brown (10YR 4/2) sandy loam interbeds; unleached.

Core 13 (100N/40W)

Depth (cm)	Stratum/Horizon	Description
0-34	Ap	Silt Loam; very dark grayish brown (10YR 3/2).
34-122	1&2/A	Silt Loam grading down to Silty Clay Loam; very dark gray (10YR 3/1); cumlic; unleached. Augered (35-95 cm)/NCM
122-140	3C1	Silty Clay Loam-Loam; very dark gray (10YR 3/1) – very dark grayish brown (10YR 3/2); unleached; very abrupt boundary.
140-158	4C1	Loamy sand; brown (10YR 4/3); fine textured; unleached; clear boundary.
158-304	4C2	Sand; pale brown (10YR 6/3); medium and coarse textured; occasional fine pebbles; sand size increases with depth to coarse-very coarse sand; unleached.

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Core 14 (80N/40W)

Depth (cm)	Stratum/Horizon	Description
0-25	Ap	Silt Loam; very dark grayish brown (10YR 3/2); very abrupt boundary.
25-74	1-2-3A	Silt Loam; very dark gray (10YR 3/1); fine and medium granular structure; unleached; clear boundary. Augered (entire stratum)/NCM
74-126	1-2-3C1	Silt Loam; very dark grayish brown (10YR 3/2); large very fine sand mode; few shell fragments; unleached; very abrupt boundary.
126-213	4C	Sand; brown and pale brown (10YR 5/3 – 6/3); medium to very coarse textured; occasional pebbles; unleached.

Core 15 (60N/40W)

Depth (cm)	Stratum/Horizon	Description
0-31	Ap	Silt loam; very dark grayish brown (10YR 3/2).
31-76	1-2-3A	Silt Loam; very dark gray (10YR 3/1); sand % increases with depth; unleached; clear boundary. Augered (entire stratum)/NCM
76-135	4	Loam; very dark grayish brown (10YR 3/2); grading down to sandy loam; unleached; clear boundary.
135-213	4C	Sand; brown to pale brown (10YR 5/3 – 6/3); coarse to very coarse textured; unleached.

Core 16 (40N/40W)

Depth (cm)	Stratum/Horizon	Description
0-137	1-2-3Ap/A	Silt Loam; very dark gray (10YR 3/1); stickier with depth; medium to strong fine and medium granular structure; unleached; very abrupt boundary. Augered (35-90)/NCM
137-150	4C1	Sand; brown (10YR 3/3); medium to coarse textured; few pebbles.
150-200	4C2	Sand; brown (10YR 5/3); medium to very coarse textured; few pebbles.
200-213	4C3	Sand; yellowish brown (10YR 5/4); coarse and very coarse-textured.

Core 17 (20N/40W)

Depth (cm)	Stratum/Horizon	Description
0-24	Ap	Silt Loam; very dark grayish brown (10YR 3/2); unleached; very abrupt boundary.
24-46	C	Silt Loam; very dark gray and very dark brown (10YR 3/1 & 3/2); laminated; unleached; very abrupt boundary.
46-82	2Ab	Silt Loam; very dark gray (10YR 3/1); stickier with depth; unleached; very abrupt boundary. Augered (entire stratum)/NCM
82-135	3Ab	Silty Clay Loam – Silty Clay; black (10Yr 2/1); occasional snail shells; moderate medium to fine subangular blocky structure; unleached; few redox features. Augered (80-125 cm)/NCM
135-166	3Cg1	Silty Clay Loam; very dark gray (10YR 3/1 – 5Y 3/1); very fine sand mode; unleached.
166-173	4Cg2	Clay Loam; very dark gray (5Y 3/1); unleached.
173-213	3Cg3	Sand; grayish brown (2.5Y 5/2); bedded; medium to very coarse textured; occasional pebbles and shell fragments; unleached.

Core 18 (0N/40W)

Depth (cm)	Stratum/Horizon	Description
0-22	Ap	Silt Loam; very dark grayish brown (10YR 3/2); very abrupt boundary.
22-43	C	Silt Loam; laminated; very dark brown and brown (10YR 3/2 & 4/3); leached; very abrupt boundary.
43-87	2Ab	Silt Loam; very dark gray (10YR 3/1); stickier with depth; unleached; clear boundary. Augered (entire stratum)/NCM

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87-153	3Ab	Silty Clay Loam – silty clay; very dark gray – black (10YR 3/1); trace very coarse sand and granules; common shell; weak medium and fine subangular blocky structure; few redox features; unleached; abrupt boundary. Augered (entire stratum)/NCM
153-187	3Cg1	Silty Clay Loam; very dark gray (5Y 3/1); very sticky; common snail fragments; roots; unleached; abrupt boundary.
187-207	4Cg2	Bedded Loam, Clay Loam and Sandy Loam; dark gray (5Y 4/1); unleached; abrupt boundary.
207-213	4C	Sand; brown (10YR 5/3); medium to very coarse textured; unleached.

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Note: all deposits are leached of carbonates unless designated as unleached

Core 1 (0N/0E)

Depth (cm)	Stratum/Horizon	Description
0-27	Ap	Sandy Loam; brown (7.5YR 4/2); fine textured; darker inclusions in lower 1/3; abrupt boundary.
27-37	C	Sandy Loam; very dark gray (7.5 YR 3/1); few disrupted laminae; occasional Fe masses; very abrupt boundary.
37-59	A	Silt Loam to Sandy Loam; black (10YR 2/1); slightly sticky; common Fe masses; very abrupt boundary.
59-66	C1	Sandy Loam; dark grayish brown to dark gray (10YR 4/2 – 4/1); abrupt boundary.
66- 82	C2	Sandy Loam; dark grayish brown – grayish brown (10YR 4/2 - 5/2); many prominent redox features; abrupt boundary.
82-142	C3	Loamy Sand; grayish brown (10YR 5/2); many prominent redox features; clear boundary.
142-150	C4	Sandy Loam; dark grayish brown (10YR 6/2); few granules; slightly sticky; many distinct redox features; abrupt boundary.
150-163	C5	Loamy Sand; grayish brown (10YR 5/2); very fine to fine; occasional redox features; abrupt boundary.
163-190	C6	Sandy Loam; dark grayish brown (10YR 4/2); slightly sticky; very prominent redox features; abrupt boundary.
190-244	C7	Loamy Sand; light grayish brown (10YR 6/2); fine to medium textured; indistinct laminae; very abrupt boundary.
244-253	2Cg1	Sandy Loam interbedded with diamicton; unleached; very abrupt boundary.
253-304	2Cg2	Silty Clay Loam; very dark grayish brown (2.5 Y 3/2); diamicton.

Core 2 (20N/0E)

Depth (cm)	Stratum/Horizon	Description
0-30	Ap	Sand; brown to dark brown (10YR 4/3-3/3); fine to very fine textured; abrupt boundary.
30-92	E1	Sand; brown (10YR 5/3 – 4/3); loose; very fine textured; sandy loam bed at 72 cm.
92-138	E2	Sand; brown (10YR 5/2); loose; fine textured; clear boundary.
138-153	Bw	Loamy Sand; dark yellowish brown (10YR 4/6);
153-241	Bwg	Sandy Loam; strong brown, dark yellowish brown, and gray (7.5YR 4/5, 10YR 4/5, 5/1); slightly sticky; abrupt boundary.
241-253	Cg1	Sandy Loam; olive brown (2.5Y 4/3); slightly sticky; laminated in upper half; very abrupt boundary.
253-274	Cg2	Sandy Loam; very dark grayish brown (2.5Y 3/2); medium textured sand; few pebbles; very abrupt boundary.
274-304	Cg3	Sandy Loam – Loam; dark grayish brown – grayish brown; fine and very fine sand.

Core 3 (40N/0E)

Depth (cm)	Stratum/Horizon	Description
0-25	Ap	Sand; dark grayish brown (10YR 4/2); very fine textured; abrupt boundary.
25-55	E1	Sand; brown and yellowish brown (10YR 5/3 and 5/4); fine and very fine textured.
55-134	Bw1	Loamy Sand; yellowish brown (10YR 5/4); very fine to fine textured; abrupt boundary.
134-160	BC	Sandy Loam to Loam; brown to olive brown (10YR 4/3 – 2.5Y 4/3); common redox features; indistinct lamination.

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160-163	C1	Loam bed; gray.
163-213	C2	Sandy Loam to Loam; brown and dark yellowish brown (10YR 4/3 & 4/4); common redox features.

Core 4 (60N/0E)

Depth (cm)	Stratum/Horizon	Description
0-30	Ap	Sand; very dark grayish brown (10YR 3/2); very fine textured.
30-62	E1	Sand; brown (10YR 5/3); very fine and fine textured; loose; very abrupt boundary.
62-128	Bt1	Sandy Loam; brown (10YR 5/3); slightly sticky.
128-150	Bw	Sandy Loam; dark yellowish brown (10YR 4/4); massive; abrupt boundary.
150-156	E2	Sand; brown (10YR 5/3); very fine textured; loose.
156-175	Bt2	Sandy Loam; dark yellowish brown (10YR 4/6); slightly sticky; massive; very abrupt boundary.
175-188	E3	Sand; brown (10YR 5/3); very fine and fine textured.
188-213	BC	Loamy Sand; dark yellowish brown (10YR 4/4); very fine textured; laminated.

Core 5 (80N/0E)

Depth (cm)	Stratum/Horizon	Description
0-23	Ap	Sand; dark grayish brown (10YR 5/3); very fine textured; abrupt boundary.
23-48	E1	Sand; brown (10YR 5/3); very fine textured; very abrupt boundary.
48-53	Bt1	Sandy Loam; brown (7.5YR 4/4); light; massive; very abrupt boundary.
53-104	E2	Sandy Loam; brown to yellowish brown (10YR 5/5 – 5/4); very fine; textured; abrupt boundary.
104-165	Bt2	Sandy Loam; brown (7.5YR 4/4); massive; abrupt boundary.
165-178	E3	Sand; brown-yellowish brown (10YR 5/3 – 5/4); very abrupt boundary.
178-190	Bt3	Sandy Loam; brown (7.5YR 4/4); massive; very abrupt boundary.
190-197	E4	Sand; brown (10YR 5/3); very fine textured.
197-213	Bt4	Loamy Sand; brown (10YR 4/4); very fine textured.
213-221	BC	Sand; dark yellowish brown (10YR 4/6); very fine textured; massive.
221-240	C1	Sand; brown (10YR 5/3); few redox features.
240-254	C2	Sand; brown-yellowish brown (10YR 5/3-5/4); fine textured; remnant laminae.
254-304	C3	Sand; laminated and very thin bedded very fine and fine textured.

Core 6 (100N/0E)

Depth (cm)	Stratum/Horizon	Description
0-30	Ap	Sand; dark grayish brown (10YR 4/2); very fine textured.
30-128	E1	Sand; brown (10YR 5/3-4/3); very fine textured; loose; very abrupt boundary.
128-132	Bt1	Loamy sand to sandy loam; brown (7.5YR 4/4); slightly sticky.
132-145	E2	Loamy sand; brown (10YR 5/3); very fine textured.
145-167	Bt2	Sandy Loam; brown (7.5YR 4/4).
167-172	E3	Loamy sand; grayish brown (10YR 5/2); very fine textured; many high chroma redox features; abrupt boundary.
172-213	Bt3	Sandy Loam; brown (7.5YR 4/4).

Core 7 (120N/0E)

Depth (cm)	Stratum/Horizon	Description
0-30	Ap	Sand; dark grayish brown (10YR 4/2); very fine textured.
30-41	E1	Sand; brown (10YR 5/3); very fine textured.

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41-138	E2	Sand; pale brown (10YR 6/3); very loose; very fine textured; very abrupt boundary.
138-152	Bt1	Sandy loam; brown (7.5YR 4/4); massive; very abrupt boundary.
152-155	E3	Loamy sand; yellowish brown (10YR 5/4); very fine textured.
155-170	Bt2	Loamy sand; dark yellowish brown (10YR 4/4); very fine textured; few brown zones in lower 5cm; very abrupt boundary.
170-188	E4	Sand; brown (10YR 5/3-4/3); very fine textured; very abrupt boundary.
188-213	Bt3	Loamy sand; brown (7.5YR 4/4); very fine textured; few redox features.

Core 8 (140N/0E)

Depth (cm)	Stratum/Horizon	Description
0-25	Ap	Sand; brown (10YR 4/3); very fine textured.
25-140	E1	Sand; brown and pale brown (10YR 5/2 & 6/3); very fine textured; two very thin lamella; very abrupt boundary.
140-160	Bt1	Sandy Loam; brown (7.5YR 4/4); massive; abrupt boundary.
160-171	E2	Sand; yellowish brown (10YR 5/4); very fine textured; abrupt boundary.
171-185	Bt2	Loamy Sand; brown (7.5YR 4/4); very fine textured.
185-190	E2	Sand; dark yellowish brown & brown (10YR 4/4 & 5/3); very fine textured.
190-195	Bt3	Loamy Sand; brown (7.5YR 4/4); very fine textured.

Core 9 (140N/30E)

Depth (cm)	Stratum/Horizon	Description
0-25	Ap	Sand; dark grayish brown (10YR 4/2); very fine textured.
25-134	E1	Sand; brown – pale brown (10YR 5/3 – 6/3); very fine textured.
134-147	Bt1	Sandy Loam; brown (7.5YR 4/4); very abrupt boundary.
147-164	E1B	Sand; brown (10YR 5/3); very fine textured.
164-195	Bt2	Loamy Sand; brown (7.5YR 4/4); very fine textured.

Core 10 (120N/30E)

Depth (cm)	Stratum/Horizon	Description
0-28	Ap	Loamy sand; dark grayish brown (10YR 4/2); very fine textured; abrupt boundary.
28-122	E	Sand; brown (10YR 5/3); very fine textured; abrupt boundary.
122-140	Bt1	Sandy loam; brown (7.5YR 4/4); krotavina.
140-176	Bt2	Sandy loam; brown (7.5YR 4/4); abrupt boundary
176-184	E	Sandy loam; brown (10YR 4/3).
184-195	Bt3	Sandy loam; brown (7.5YR 4/4); laminated; very abrupt boundary.
195-213	E	Sand; Brown (10YR 5/3).
213-230	BC	Loamy Sand; dark yellowish brown (10YR 4/6); very fine.
230-253	C1	Sandy Loam; yellowish brown (10YR 5/4); very fine; laminated; abrupt boundary.
253-261	C2	Loamy Sand; strong brown (7.5YR 4/6); very fine.
261-304	C3	Loamy Sand; laminated; very fine textured; yellowish brown with redox features.

Core 11 (100N/30E)

Depth (cm)	Stratum/Horizon	Description
0-22	Ap	Sand; dark grayish brown (10YR 4/2); very fine textured.
22-125	E1	Sand; brown (10YR 5/3); very fine textured; loose; very abrupt boundary.
125-151	Bt1	Loamy Sand; strong brown and brown (7.5 YR 4/6 & 4/4); very fine textured; slightly sticky; very abrupt boundary.
151-158	E2	Sand; brown (10YR 5/3); loose; very fine textured; very abrupt boundary.

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158-172	Bt2	Loamy Sand; brown (7.5YR 4/4); very fine textured; massive; very abrupt boundary.
172-198	E1B	Sand; brown to pale brown (10YR 5/3 - 6/3); very fine textured; few thin lamella; abrupt boundary.
198-213	Bt3	Loamy Sand; strong brown (7.5YR 4/6); very fine textured.

Core 12 (80N/30E)

Depth (cm)	Stratum/Horizon	Description
0-23	Ap	Sand; dark grayish brown (10YR 4/2); very fine textured; abrupt boundary.
23-68	E	Sand; brown (10YR 5/3); very fine textured; dark krotavina; loose; very abrupt boundary.
68-98	E1B	Loamy Sand; brown (2.5Y 4/4 & 10YR 5/3)
98-125	Bt	Below is a series of interlayered thin 1-2 cm E (brown (10YR 5/3) and Bt horizons or lamella (7.5YR 4/4) 4-5 cm thick
125-130	E	
130-135	Bt	
135-143	E	
143-150	Bt	
150-160	E/B2	Sand; brown (7.5YR 4/4) and gray (10YR 5/1); very fine textured.
160-170	Bt	Loamy Sand; dark yellowish brown (10YR 4/6); very fine textured.
170-185	E	Loamy Sand; laminated very fine textured; brown (10YR 5/3).
185-190	Bt	Loamy Sand; dark yellowish brown (10YR 5/6)
190-213	E	Sand; brown to yellowish brown (10YR 5/3 – 5/4); very fine textured.

Core 13 (60N/30E)

Depth (cm)	Stratum/Horizon	Description
0-25	Ap	Sand; dark grayish brown (10YR 4/2); very fine textured.
25-78	E	Sand; yellowish brown (10YR 5/4); very fine textured; slightly darker krotavina; few strong brown blebs in lower 8 cm.
78-105	E/B	Sand; strong brown (7.5YR 4/6) and pale brown (10YR 6/2); very fine textured; abrupt boundary.
105-130	Bt1	Loamy sand; yellowish red (5YR 4/6); very fine textured; abrupt boundary.
130-140	Bt2	Sandy Loam; dark brown (7.5YR 3/4); very fine textured; slightly sticky; very abrupt boundary.
140-158	Bt3	Loamy Sand; gray (10YR 5/1) and brown (7.5YR 4/4); very fine; zones of depletion; abrupt boundary.
158-213	BC	Loamy Sand; dark yellowish brown – brown (10YR 4/4 – 7.5 YR 4/4); very fine textured; pale brown (10YR 6/3) very fine sand lens at 190 cm.

Core 14 (40N/30E)

Depth (cm)	Stratum/Horizon	Description
0-25	Ap	Sand; dark grayish brown (10YR 4/2); very fine textured; clear boundary.
25-70	E	Sand; brown (10YR 5/3); very fine textured; loose; very abrupt boundary.
70-102	Bt1	Sandy Loam; brown (7.5Y 4/4); very fine textured; abrupt boundary.
102-143	E	Sandy Loam; yellowish brown (10YR 5/4); very fine textured; clear boundary.
143-156	Bw1	Loamy Sand; dark yellowish brown (10YR 4/6); very fine textured; very abrupt boundary.
156-182	E	Sand; yellowish brown (10YR 5/4); very fine textured; abrupt boundary.
182-195	Bw2	Sand; brown and strong brown (7.5YR 4/4 and 4/6); very fine to fine textured.

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195-248	C1	Sand; dark yellowish brown (10YR 4/4); very fine and fine textured sand with medium sand mode; indistinct bedding; very abrupt boundary.
248-250	C2	Gray Silt Loam laminae.
250-304	C3	Sand; brown (10YR 5/3); fine textured; indistinct lamination; very thin bedded.

Core 15 (20N/30E)

Depth (cm)	Stratum/Horizon	Description
0-24	Ap	Sand; dark grayish brown (10YR 4/2); very fine textured; abrupt boundary.
24-48	E1	Sand; brown (10YR 5/3); very fine textured; loose clear boundary.
48-78	E2	Sand; brown to pale brown (10YR 5/3 - 6/3); very fine textured; very abrupt boundary.
78-129	Bt1	Sandy Loam; brown (7.5YR 4/4); very fine textured; slightly sticky.
129-135	Bt2	Sandy Loam; dark yellowish brown – yellowish brown (10YR 4/4 – 5/4); very fine textured.
135-142	E	Sandy Loam; light brownish gray (10YR 6/2); very fine textured; abrupt boundary.
142-155	BC	Sandy Loam; dark yellowish brown (10YR 4/4) with strong brown blebs.
155-190	C1	Loamy Sand; brown (10YR 5/3); very fine textured; laminated.
190-213	C2	Loamy Sand; brown (10YR 5/3) with brown (7.5YR 4/4) zones.

Core 16 (0N/30E)

Depth (cm)	Stratum/Horizon	Description
0-23	Ap	Sand; dark grayish brown (10YR 4/2); very fine textured; abrupt boundary.
23-50	E1	Sand; brown (10YR 5/3); very fine textured; clear boundary.
50-72	E2	Sandy Loam; light grayish brown (10YR 6/2); very fine textured; occasional strong brown blebs; loose; very abrupt boundary.
72-130	Bt	Sandy Loam; brown and strong brown (7.5YR 4/4 – 4/6); very fine; strong brown layer at base; abrupt boundary.
130-138	E	
138-161	Bt/E	Sandy Loam; strong brown (7.5YR 4/6) very fine textured.
161-185	C1	Loamy Sand; brown (10YR 5/3); very fine textured.
185-190	C2	Sandy Loam; medium textured.
190-213	C3	Sandy Loam; yellowish brown (10YR 5/4); very fine and fine textured.
213-304	C4	Sand and Loamy Sand; indistinct laminae and very thin beds; very fine to fine textured; brown (10YR 4/2); very thin silt laminae and a medium to coarse sand laminae with granules at 300 cm.

Core 17 (210N/30E)

Depth (cm)	Stratum/Horizon	Description
0-29	AP	Loamy Sand; very dark grayish brown (10YR 3/2); very fine textured; very abrupt boundary.
29-35	AB	Loamy Sand; very dark grayish brown (10YR 2/2 – 2.5Y 5/2); very fine textured; black layering at base; very abrupt boundary.
35-57	E1	Sand; yellowish brown (10YR 5/4); very fine textured; many redox features; high chroma mottles have horizontal laminae-like pattern; abrupt boundary.
57-82	E2	Sand; light yellowish brown (10Yr 6/4); very fine textured; few strong brown blebs; loose; very abrupt boundary.
82-125	Bw	Sand; strong brown (7.5YR 4/6); very fine textured; massive; very abrupt boundary.
136-147	Cg2	Sandy Loam; brown to grayish brown (10YR 5/3 – 5/2); few clay clasts; many redox features.

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147-163	Cg3	Sandy Loam; grayish brown (10YR 5/2); slightly sticky; many very prominent high chroma redox features; very abrupt boundary.
163-170	Cg4	Loam; grayish brown – light brownish gray (2.5Y 5/2 – 6/2); abrupt boundary.
170-269	Cg5	Sandy Loam; grayish brown to light brownish gray (2.5Y 5/2 – 6/2); slightly sticky; bedded and coarse laminated due to varying % of silt and clay; common redox features; very coarse sand laminae at 228 cm; clear boundary.
269-304	Cg6	Sandy Loam and Loamy sand; brown (10YR 5/3) and grayish brown (2.5Y 5/2); bedded.