

APPENDIX 2: SOIL PROFILES, FORD FARM SITE

Profile descriptions of soils occurring at the Ford Farm Site

Prepared by John Foss

Horizon	Depth cm	Color	Mottles	Text	Struct	Consist	Bound
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Profile S92DE1 Site 193

Ap1	0-9	10YR 3/2,5/3	None	ls	lmgr	vfr	as
Ap2	9-19	10YR 5/3,5/4 some 3/3	None	ls	impl	vfr	cs
E	19-32	10YR 5/4	None	ls	lfsbk	vfr	cs
Bw1	32-53	7.5YR 4/4	None	sl	lmsbk	vfr	gs
Bw2	53-83	7.5YR 4/4	None	sl	lmsbk	vfr	gs
2Btb	83-110	7.5YR 4/4,3/4	None	sl	lmsbk	fr	-
3Ab	110-127	10YR 3/3,3/4	None	ls	-	-	-
3B/C	127-145	10YR 5/4,6/6	None	ls	-	-	-
		7.5YR 4/6 lamellae		sl	-	-	-
3B/C	145-160	10YR 6/4	None	ls	-	-	-
		7.5YR 4/6 lamellae		sl	-	-	-
3B/C	160-190	Similar to horizon above					
3C	190-225	10YR 6/6	None	ls	-	-	-
		10YR 5/6 few lamellae					
3C	225-240	10YR 6/6	clf	ls-s	-	-	-
			10YR 5/8				

Notes: Some clay bridging in 2Btb horizon; auger used to describe profile from 110-240 cm; the Bw horizon had minimal weathering with some evidence of iron translocation; buried Ab horizon at 110-127 cm was quite evident.

S92DE2 No. 195

Ap	0-30	10YR 4/3,3/2	None	ls	impl	vfr	as
E	30-52	10YR 5/6	None	ls	impl	vfr	cs
Bw1	52-82	10YR 4/6,5/6	None	ls	lmsbl	vfr	gs
Bw2	82-115	7.5YR 5/6,4/6	None	ls,sl	lmsbk	vfr	-
2B/C	115-170	10YR 5/6,6/6	None	ls	-	-	-
		7.5YR 5/6 lamellae		sl	-	-	-
3Bt1b	170-190	7.5YR 5/6,5/8	None	sl	-	-	-
3Bt2b	190-210	7.5YR 5/6,5/8	m2d	sl	-	-	-
			10YR 6/2				
			5YR 4/6				
3Bt3b	210-230	7.5YR 4/6	m2d	sc1	-	-	-
			5YR 4/6				
			10YR 6/2				
4Bt4b	230-250	10R 4/4	None	c	-	-	-

Notes: Auger used to describe soil below 115 cm; very old soil at base (100,000 YBP); the 3Bt horizon was well developed, probably Pleistocene soil.

S92DE3 No. 192

Ap	0-27	10YR 3/3	None	sl	1fp1	vfr	as
EB	27-45	10YR 4/4,5/4	None	sl	1msbk	vfr	cs
Bt1	45-65	7.5YR 4/6	None	sc1	1-2msbk	fr	-
Bt2	65-85	7.5YR 5/6,4/6	None	sc1	-	-	-
2Bt3b	85-115	10YR 5/6	None	cl	-	-	-
3BC	115-125	7.5YR 5/6,4/6	None	ls	-	-	-
3C	125-135	10YR 6/6	None	ls	-	-	-

Notes: Auger used for description below 65 cm; the Bt horizon was an argillic with moderate development.

S92DE4 No. 191

Ap	0-24	10YR 3/3	None	sl	1fp1	vfr	as
EB	24-40	10YR 5/4	None	sl	1msbk	vfr	cs
Bt1	40-95	7.5YR 4/6	None	sc1	-	fr	cs
BC	95-120	7.5YR 4/6	None	sl	-	fr	cs
C	120-130	7.5YR 5/6	None	ls	-	-	-

Notes: This profile is similar to No.192

S92DE5 No. 190

Ap	0-20	10YR 4/3	None	sl	-	-	-
Bw	20-60	7.5YR 5/6,5/4	None	sl	-	-	-
2B/C	60-85	10YR 6/6	None	ls	-	-	-
		7.5YR 4/6 lamellae		sl			
2B/C	85-100	10YR 6/6	None	ls	-	-	-
		7.5YR 5/6,5/8 lamellae		sl			
2C	100-195	10YR 6/4	None	s (med)	-	-	-

Notes: Lamellae developed from 60 to 100 cm; auger used to describe profile below 60 cm

S92DE6 No. 194

Ap	0-20	10YR 3/1	None	sil	-	-	-
C	20-45	10YR 5/4	None	sil	-	-	-
C	45-145	10YR 5/6	m2d	sil	-	-	-
		7.5YR 5/8					
		10YR 6/2					
2Btb	150-160	10YR 4/4	m2d	sil-cl	-	-	-
		7.5YR 5/8					
		10YR 6/2					
3BC	160-172	10YR 5/4-5/6	-	sl	-	-	-

Notes: Area appears to be ponded with recent sediment occurring in top 145 cm.