

Anthropology Department Archaeological Projects
Archaeology at the W.E.B. Du Bois Boyhood
Homesite

University of Massachusetts Amherst

Year 2008

Appendix I 1984 Soil Profile Information

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APPENDIX I 1984 SOIL PROFILE INFORMATION

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AUTHOR**

The following tables list profile information from the Field Varc forms. Paynter's Notebook (64-65, 70-71) gives soil characterizations, depths and descriptions. Footnotes indicate significant differences between these two sources. The tables are arranged by the research problems. A file labeled 1984 Excavation Units.doc brings together the notes from student field notebooks, the Teaching Assistant's notebooks, Paynter's notebook and the Field Vars.

The entries first give an interpretation of the soil horizon, the depth below pit datum in cms, the soil color and the soil texture. There are entries that are lacking variables.

Abbreviations. Soil Horizons are the standard designation of the duff, and the A, B, and C horizons. AP or PZ indicates a plow zone. Colors: DK=dark, BN=brown, OR=orange, BL= black., GR=gray. Soil Texture: GR=gravel, SI=silt, SD=sand, CL=clay, LO=loam. V=very, W/=with.

1. CENTRAL AREA

E29.5N23¹	E30N33²	E34.5N20
Duff 1-2 DKBN	A 0-24 DKBN GRSILO	Duff 0-1 BN STLO
PZ 3-26 DKBN CLSDLO	AB 25-32	PZ 2-48 DKBN STLO
B 27-50 OR SDLOCL	B 33-40 ORBN SIGRLO	B 49-50 ORBN SDLO
	C 40-? BL GRSD	
E35N27	E35N32	E35N43³
Duff 1-2	Duff 0-5 DKB STLO	Duff 1-2
PZ 3-18 BN SDCLLO	A 6-20 BN SDSTLO	A 3-9 DKBN SDLO
B 19-35 OR GRSDLO	B 21-30 ORBN SD	AB 10-19 DKBN SDLO
C 36-50 GR VSDLO	C 31-50 GRBN SD	B 20-32 ORBN SDLO
		C 33-50 ORGR VSDLO
E40N22.5	E40N33⁴	E40N43⁵

¹ E29.5N23 and E30N33 had questionable plow zones with Paynter's Notebook (65) finally concluding against the presence of a plow zone.

² E29.5N23 and E30N33 had questionable plow zones with Paynter's Notebook (65) finally concluding against the presence of a plow zone.

³ Paynter Notebook (64) indicates possible plow zone.

⁴ Paynter's Notebook (64) indicates a plow zone.

PZ 0-24	Duff 1-4 DKBN SDLO	Duff 0-5 DKBN SDSTLO
B 25-50 ORBN	A 5-17 VFSDLO	A 6-23 DKBN SDSTLO
	B 13-35 OR SDLO	B 24-30 ORBN SDLO
	C 36-50 GR SDLO	BC 31-39 GRSDLO
		C 40-50 GRSDLO
E45N22.5	E45N33	E45N43
Duff 1-11	Duff 0-10 DKBN SDSTLO	Duff 0-4 DKBN SDSTLO
PZ 12-24	PZ 11-20 MDBN SDSTLO	PZ 5-22 BN SDSTLO
B 25-50 ORBN SDGRLO	AB 21-28 ORBN GRSDSTLO	B1 23-31 ORBN SDLO
C 51-60 OLGR SDGR	B 29-42 OR GRSDLO	B2 31-50 GRORBN GRSDLO
	BC 43-50 ORGR GRSDLO	
	C 50- ? GRBN GRSDLO	

2. NORTHERN MAGNETOMETER ANOMALY

E40N60
Duff 0-5 MDBN STLO
A 6-16 DKBN GRVLSTLO
AB 17-38 VLBN GRVL SSTL
B 39-50 ORBN GRVLSSTL

3. N13 LINE PITS

E30N13	E35N13	E41N13.5 WWall in pit
Duff 0-9	Duff 0-7	Duff/A 0-5 DKBN GRSTLO
A 10-22 DKBN SDSTLO	A1 8-13 DKBN SDSTLO	B1 6-18 BN
B 23-39 ORBN STGRLO	A2 14-26 MDBN STSDLO	A1 19-41 DKBN GRLO
C 40-50 BLGR GRSL	ASH 26-29 WHBN ASHY STLO	A2 42-62 GRBN
	A3 30-37 MDBNSTLO	C 63-90 OLGR
	B 38-76 ORBN GRSTLO	
	C 77-80 GRBL GVSD	

⁵ Paynter's Notebook (64) indicates a plow zone.

E41N13.5 NWall outside pit	E45N13	E50N13
Duff/A 0-6 DKBN	A1 1-13 VDKBN LO	Plaster 1-17
B1 7-33 BN	A2 14-33 BN GVSDLO	A1 18-28 VDKBN SDSTLO W/GR
B2 34-62 GRBN	B 34-69 ORBN LOGRSD	A2 29-44 BN STLO W/GR
B3 63-71 ORBN	C 70-80 BLGR GRCLSISD	A3 45-53 RDBN STLO LESS GR
C 72-90 OLGR		A4 54-60 OR STSDLO W/GR

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4. BARN AREA

E25N18	E25N22	E25N22.5
Duff 0-3	A 0-60 DKBN STLO	A 0-31 DKBN
A 4-25 DKBN SDLO W/GR	Lens 61-70 ORGR SD	B 32-39 ORBN
B 26-60 ORBN GRLO	C 71-80 DKGR GRSD	Lens 40-59 ORGR
C 61-65 GR LO		C 60-80 GR
E25N28	E25N32.5	
A 1-12 BN SDCLLO	Duff 0-2 DKBN	
B 13-35 BNOR SDCLLO	A 3-20 BN STLO	
A2 30-40 BNGR VSDLO	B 21-27 YLBN VFS DSTLO	
C 40-50 BLGR VSDGVLO	LENS 28-48 GR GVCLSTLO	

5. E50 AND E55 LINE ANOMALIES

E50N22.5	E55N23
Duff 1-11 DKBN	Duff 0-1 BN STLO
AP 12-26 BNGR LO	AP 2-23 DKBN STLO
B 27-41 DKOR SDGRLO	B 24-26 ORBN GVSDLO
C 42-50 BLGR SDGR	BC 27-50 OLORBN GVSDLO
	Note that it becomes more C than B at 50 cm