

**APPENDIX A**  
**SOIL PROFILES**

# SOIL PROFILE

## Auger Boring 1, Test Area 1

Date: July 28, 2003

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: School Bell Road (S.R. 1 to U.S. 40)

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-18.0 cm (0-7.1 in)	10YR 4/3 Brown		loam	weak medium granular	friable	clear	
Bt / 18.0-45.0 cm+ (7.1-17.7 in+)	10YR 5/4 Yellowish brown		sandy clay loam	moderate medium subangular blocky	friable		

**Additional Notes:** Broad uplands position; well developed, well drained profile of coastal plain sediments.

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# SOIL PROFILE

## Auger Boring 2, Test Area 2

**Date:** July 28, 2003

**County:** New Castle, Delaware

**Soil Description By:** M.G. Sams, CPSS

**Project Location:** School Bell Road (S.R. 1 to U.S. 40)

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-21.0 cm (0-8.3 in)	10YR 4/3 Brown		silt loam	weak medium granular	friable	clear	
Bt / 21.0-45.0 cm+ (8.3-17.7 in+)	10YR 5/4 Yellowish brown		clay loam	moderate medium subangular blocky	friable		

**Additional Notes:** Broad uplands position; well developed, well drained profile of coastal plain sediments.

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# SOIL PROFILE

## Auger Boring 3, Test Area 3

Date: July 28, 2003

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: School Bell Road (S.R. 1 to U.S. 40)

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-25.0 cm (0-9.8 in)	10YR 4/2 Dark grayish brown		silt loam	weak medium granular	friable	clear	
Bt / 25.0-40.0 cm+ (9.8-15.8 in+)	10YR 5/3 Brown	few: 10YR 5/2 Grayish brown	clay loam	weak medium subangular blocky	friable		

**Additional Notes:** Slightly concave uplands position; well developed, moderately well drained profile of coastal plain sediments.

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# SOIL PROFILE

## Auger Boring 4, Test Area 4

**Date:** July 28, 2003

**County:** New Castle, Delaware

**Soil Description By:** M.G. Sams, CPSS

**Project Location:** School Bell Road (S.R. 1 to U.S. 40)

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-23.0 cm (0-9.1 in)	10YR 4/3 Brown		silt loam	weak medium granular	friable	clear	
Bt / 23.0-50.0 cm+ (9.1-19.7 in+)	10YR 5/4 Yellowish brown		sandy clay loam	moderate medium subangular blocky	friable		

**Additional Notes:** Broad uplands position; well developed, well drained profile of coastal plain sediments.

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