

APPENDIX C
SOIL PROFILES

SOIL PROFILE

STP 1-3

Date: March 6, 2004

County: Sussex County, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: S.R. 26, Test Area 1

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-23.0 cm (0-9.1 in)	10YR 4/3 Brown		sandy loam	weak medium granular	friable	abrupt	
Bw / 23.0-35.0 cm+ (9.1-13.8 in+)	10YR 5/6 Yellowish brown		sandy loam	weak medium blocky	friable		

Additional Notes: Upland area, relatively undisturbed soil profile forming in coastal plain sediments.

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SOIL PROFILE

STP 3-5

Date: March 5, 2004

County: Sussex County, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: S.R. 26, Test Area 3

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Fill / 0-20.0 cm (0-7.9 in)	10YR 4/4 Dark yellowish brown		sandy loam	very weak medium granular	very friable	abrupt	
Ap / 20.0-46.0 cm (7.9-18.1 in)	10YR 3/2 Very dark grayish brown		sandy loam, with glass fragments	weak medium granular	friable	abrupt	
Bw / 46.0-56.0 cm+ (18.1-22.1 in+)	10YR 5/4 Yellowish brown		sandy loam	weak medium blocky	friable		

Additional Notes: Upland area, soil profile of coastal plain sediments covered with a surface layer of fill.

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SOIL PROFILE

STP 6-3

Date: March 4, 2004

County: Sussex County, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: S.R. 26, Test Area 6

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-48.0 cm (0-18.9 in)	10YR 3/3 Dark brown		sandy loam	weak medium granular	friable	abrupt	
Bw / 48.0-58.0 cm+ (18.9-22.8 in+)	10YR 6/6 Brownish yellow		sandy loam	weak medium blocky	friable		

Additional Notes: Upland area, relatively undisturbed soil profile forming in coastal plain sediments.

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SOIL PROFILE

STP N60 E165

Date: March 3, 2004

County: Sussex County, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: S.R. 26, Test Area 9

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-32.0 cm (0-12.6 in)	10YR 4/3 Brown		sandy loam	weak medium granular	friable	abrupt	
Bw / 32.0-42.0 cm+ (12.6-16.5 in+)	10YR 5/4 Yellowish brown		sandy loam	weak medium blocky	friable		

Additional Notes: Upland area, relatively undisturbed soil profile forming in coastal plain sediments.

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SOIL PROFILE

STP 15-4

Date: March 4, 2004

County: Sussex County, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: S.R. 26, Test Area 15

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-36.0 cm (0-14.2 in)	10YR 3/4 Dark yellowish brown		sandy loam	weak medium granular	friable	abrupt	
Bw / 36.0-46.0 cm+ (14.2-18.1 in+)	10YR 6/2 Light brownish gray		sandy loam	weak medium blocky	friable		

Additional Notes: Slight depression within an upland area, relatively undisturbed soil profile forming in coastal plain sediments.

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SOIL PROFILE

STP 19-4

Date: March 3, 2004

County: Sussex County, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: S.R. 26, Test Area 19

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-28.0 cm (0-11.0 in)	10YR 4/3 Brown		sandy loam	weak medium granular	friable	abrupt	
Bw / 28.0-38.0 cm+ (11.0-15.0 in+)	10YR 5/4 Yellowish brown		sandy loam	weak medium blocky	friable		

Additional Notes: Upland area, relatively undisturbed soil profile forming in coastal plain sediments.

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SOIL PROFILE

STP N165 E60

Date: March 3, 2004

County: Sussex County, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: S.R. 26, Test Area 23

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-51.0 cm (0-20.1 in)	10YR 3/3 Dark brown		sandy loam	weak medium granular	friable	abrupt	
Bwg / 51.0-65.0 cm+ (20.1-25.6 in+)	10YR 5/2 Grayish brown	common: N 5/1 gray 10YR 5/6 Yellowish brown	coarse sandy loam, with 5% small gravels	weak medium blocky	friable		

Additional Notes: Depressional area of upland; relatively undisturbed soil profile forming in coastal plain sediments, with moderate internal drainage restriction.

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