Appendix A
SHOVEL TEST LOG

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
Study Area A						
Buried Seawall North End						
A	1	0-44	7.5YR 2.5/2	V DK BR	SI LO	glass fragments, twisted metal, rusted metal, ceramic shard at 44 cm; surface littered with garbage
A1a	1	0-20	7.5YR 2.5/3	V DK BR	SA LO	glass and plastic at 20 cm
A1a	2	20-60	7.5YR 4/4	BR	SA	NCM; STP in picnic area
A2	1	0-21	7.5YR 2.5/1	BL	SI LO	glass, tile, paper, bone, plastic at 21 cm
A2	2	21-31	7.5YR 5/3	BR	SA	NCM
A3	1	0-30	7.5YR 3/2	DK BR	SI LO	glass, plastic, ceramic at 30 cm
A3	2	30-40	7.5YR 4/4	BR	SI LO	NCM
A4a	1	0-75	10YR 6/8, 6/3	BR YL, PALE BR	SA	candy bar wrapper; possibly disturbed
50-ft (15-m) Tested Franklin Delano Roosevelt Boardwalk						
A1b	1	0-15	10YR 2/1	BL	SI SA	NCM; roots
A1b	2	15-35	10YR 3/1, 3/2	DK BR, V DK GR BR	SI SA	possible landfill due to dense root mat and fill; roots
A4b	1	0-100	7.5YR 5/6	STRONG BR	SA	plastic, glass at 100 cm
A5	1	0-86	7.5YR 6/4	LT BR	SA	glass
A6	1	0-100	7.5YR 5/3	BR	SA	modern glass, beer bottle cap (not collected)
A7	1	0-100	7.5YR 5/3	BR	SA	cigarette butts, modern candle wax, natural shell (not collected), modern wooden board left in situ at 40 cm
A8	1	0-92	7.5YR 6/4	LT BR	SA	plastic (not collected)
A9	1	0-100	7.5YR 5/3	BR	SA	cigarette butts, modern plastic, Styrofoam
A10	1	0-20	7.5YR 6/4	LT BR	SA	modern debris
A10	2	20-100	7.5YR 4/4	BR	SA	modern debris
A11	1	0-90	10YR 6/8, 6/3	BR YL PALE BR	SA	combs, cigarette filters, plastic tops, spoons, modern fill at 40 cm
A12	1	0-100	7.5YR 5/3	BR	SA	2 glass fragments, Styrofoam, cigarette butts at 10 cm; plastic fragment at 55 cm
A13	1	0-101	7.5YR 6/4	LT BR	SA	glass, plastic thruout Stratum 1; wood at 70 cm
A14	1	0-14	7.5YR 6/4	LT BR	SA	NCM
A14	2	14-100	7.5YR 4/4	BR	SA	glass, plastic, modern debris (not collected) at 100 cm
A15	1	0-80	10YR 6/8, 6/3	BR YL PALE BR	SA	modern debris; possibly fill
A16	1	0-94	7.5YR 5/3	BR	SA	glass, ribbon, plastic, foam throughout stratum 1
A17	1	0-100	7.5YR 5/3	BR	SA	3 glass fragments at 85 cm; modern debris throughout stratum 1
A18	1	0-100	10YR 6/8, 6/3	BR YL PALE BR	SA	round nail at 90 cm; modern debris throughout stratum 1
A19	1	0-101	7.5YR 6/4	LT BR	SA	glass, plastic (not collected) at 101 cm
A20	1	0-14	7.5YR 6/4	LT BR	SA	
A20	2	14-100	7.5YR 4/4	BR	SA	modern debris; candy wrapper, shells, plastic, charcoal throughout STP
A21	1	0-105	10YR 6/8, 6/3	BR YL PALE BR	SA	amber bottle glass, modern plastic, Styrofoam, candy wrapper at 90 cm
A22	1	0-100	7.5YR 5/3	BR	SA	charred wood fragment at 50 cm, 2 wood fragments at 60 cm
A23	1	0-89	7.5YR 5/4	BR	SA	amber and green glass, plastic, Styrofoam, charcoal, metal strip
A24	1	0-14	7.5YR 4/4	BR	SA	NCM
Key	**Soil Color:** BL = black, BR = brown, DK = dark, GR = gray, LT = light, RD = red, V = very, YL = yellow					
	Soil Description: CL = clay, LO = loam, SA = sand, SI = silt					
	Comments: NCM = no cultural material					

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A24	2	14-140	7.5YR 5/4	BR	SA	glass, pipe, plastic, charcoal
A25	1	0-100	7.5YR 5/4	BR	SA	plastic, glass, Styrofoam
A26	1	0-100	10YR 6/8, 6/3	BR YL PALE BR	SA	beer bottle fragment at 90 cm; charcoal at 100 cm
A27	1	0-100	7.5YR 5/3	BR	SA	clear glass, 2 wood fragments at 50 cm; 1 nail, 3 brown glass fragments, clear glass, green glass at 85 cm; modern debris throughout STP
A28	1	0-100	7.5YR 5/4	BR	SA	amber and green glass, plastic, aluminum pieces, twisted metal, charcoal
A29	1	0-95	7.5YR 5/4	BR	SA	glass, shell, plastic (not collected)
A30	1	0-100	10YR 6/8, 6/3	BR YL, PALE BR	SA	red clear plastic, cigarette filters
A31	1	0-102	7.5YR 5/4	BR	SA	modern debris
A32	1	0-100	10YR 6/8, 6/3	BR YL PALE BR	SA	glass, paper at 70 cm; brown beer glass, 'crown' bottle cap at 80 cm; clear bottle glass fragments at 90-100 cm
A33	1	0-95	7.5YR 5/4	BR	SA	plastic, glass (not collected) at 95 cm
A34	1	0-100	7.5YR 5/3	BR	SA	metal object at 70 cm; modern debris throughout STP
A35	1	0-100	7.5YR 5/4	BR	SA	modern debris
A36	1	0-100	7.5YR 5/4	BR	SA	glass, plastic, metal, foil wrap throughout STP
A37	1	0-100	10YR 6/8, 6/3	BR YL PALE BR	SA	cigarette butts, glass at 90-100 cm
A38	1	0-100	7.5YR 5/3	BR	SA	modern debris throughout STP
A39	1	0-100	7.5YR 5/4	BR	SA	glass, plastic, metal, Styrofoam
A40	1	0-100	10YR 6/8, 6/3	BR YL PALE BR	SA	plastic fork at 75 cm; aluminum top popper, 'crown' bottle cap at 90 cm
A41	1	0-92	7.5YR 5/4	BR	SA	Styrofoam, glass at 92 cm
A42	1	0-100	7.5YR 5/4	BR	SA	modern debris
A43	1	0-100	7.5YR 5/3	BR	SA	modern debris throughout STP
A44	1	0-100	10YR 6/8, 6/3	BR YL PALE BR	SA	plastic, cigarette butts (Aeolian deposits) at 90 cm
A45	1	0-98	7.5YR 5/4	BR	SA	plastic, Styrofoam, cigarette butts, metal
A46	1	0-100	7.5YR 5/4	BR	SA	modern debris; cigarette filters, plastic
A47	1	0-50	7.5YR 5/4	BR	SA	NCM
A47	2	50-73	7.5YR 5/4,	BR, DK BR	SA CL	wire, shell, glass, plastic (not collected)
A47	3	73-110	7.5YR 5/4	BR	SA	NCM
A48	1	0-40	7.5YR 5/3	BR	SA	metal object at 30 cm; excavation terminated due to north-south board in STP
A49	1	0-85	10YR 6/8, 6/3	BR YL PALE BR	SA	plastic, airborne artifacts; unidentified hollow sounding object possibly associated with large gravel (RR ballast looking) at 85 cm
A50	1	0-82	7.5YR 5/4	BR	SA	plastic, brick, Styrofoam, glass, aluminum; unidentified impasse at 82 cm
A51	1	0-100	7.5YR 5/4	BR	SA	modern debris
A52	1	0-100	7.5YR 5/3	BR	SA	NCM; pebble layer at 60 cm
A53	1	0-70	10YR 6/8, 6/3	BR YL PALE BR	SA	plastic at 70 cm; wood impasse at 70 cm
A54	1	0-59	7.5YR 4/4	BR	SA	plastic, glass, paper; rock impasse at 59 cm
A55	1	0-100	7.5YR 4/6	STRONG BR	SA	glass at 80 cm
A56	1	0-100	7.5YR 6/4	LT BR	SA	glass, plastic
A57	1	0-100	7.5YR 6/4	LT BR	SA	shell, glass
A58	1	0-58	7.5YR 4/4	BR	SA	plastic, cigarette butts, glass, blue glazed ceramic sherd at 45 cm
A58	2	58-62	7.5YR 6/1	GR	CL	NCM
A58	3	62-75	7.5YR 6/6	YL RD	SA	wood fragments; rock impasse at 75 cm
A59	1	0-100	7.5YR 4/4	BR	SA	modern debris
A60	1	0-100	7.5YR 4/4	BR	SA	plastic, glass, paper

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
100-ft (30-m) Tested Franklin Delano Roosevelt Boardwalk						
A61	1	0-95	7.5YR 6/4	LT BR	SA	plastic
A62	1	0-100	7.5YR 6/4	LT BR	SA	shell at 60 cm
A63	1	0-90	7.5YR 6/4	LT BR	SA	shotgun shell, needle cap at 50 cm
A64	1	0-100	7.5YR 4/4	BR	SA	NCM
A65	1	0-98	7.5YR 6/4	LT BR	SA	plastic, Styrofoam
A66	1	0-100	7.5YR 6/4	LT BR	SA	intact shells at 90 cm
A67	1	0-100	7.5YR 4/4	BR	SA	modern debris
A68	1	0-100	7.5YR 4/3	BR	SA	plastic
A69	1	0-90	7.5YR 6/4	LT BR	SA	plastic
A70	1	0-95	7.5YR 6/4	LT BR	SA	plastic, Styrofoam
A71	1	0-105	7.5YR 5/4	BR	SA	shell, glass at 90 cm
A72	1	0-100	7.5YR 5/4	BR	SA	styrofoam, plastic, paper
A73	1	0-97	7.5YR 5/4	BR	SA	glass, shell, plastic, Styrofoam throughout STP
A74	1	0-100	7.5YR 4/4	BR	SA	NCM
A75	1	0-75	2.5YR 5/3	RD BR	SA	glass, wood, cigarettes at 20 cm; broken bottle glass, plastic at 75 cm; impasse at 75 cm
A76	1	0-100	7.5YR 4/4	BR	SA	modern debris
A77	1	0-100	7.5YR 5/4	BR	SA	nail, shell, glass at 70 cm
A78	1	0-98	7.5YR 5/4	BR	SA	plastic
A79	1	0-85	2.5YR 5/3	WEAK RD	SA	plastic paint brush handle, plastic tops, cigar mouthpiece, modern debris at 20 cm; black screw, bottle top at 85 cm
A80	1	0-6	7.5YR 3/3	DK BR	SA LO	glass and plastic at 20 cm
A80	2	6-100	7.5YR 5/4	BR	SA	metal, glass, plastic, paper
A81	1	0-100	7.5YR 4/4	BR	SA	plastic
A82	1	0-105	7.5YR 5/4	BR	SA	plastic
A83	1	0-80	2.5YR 5/3	WEAK RD	SA	burnt wood charcoal, coal, shell fragments at 65 cm
A84	1	0-100	7.5YR 5/4	BR	SA	NCM
A85	1	0-100	7.5YR 4/4	BR	SA	NCM
A86	1	0-100	7.5YR 5/4	BR	SA	NCM
A87	1	0-95	7.5YR 5/4	BR	SA	NCM
A88	1	0-65	2.5YR 5/3	WEAK RD	SA	modern debris
A88	2	65-90	10YR 5/3	BR	SA	NCM
A89	1	0-100	7.5YR 4/4	BR	SA	glass at 8 cm; water seepage at 90 cm
A90	1	0-100	7.5YR 4/4	BR	SA	NCM
A91	1	0-100	7.5YR 5/4	BR	SA	NCM
A92	1	0-98	7.5YR 5/4	BR	SA	glass
A93	1	0-30	2.5YR 5/3	WEAK RD	SA	NCM
A93	2	30-55	10YR 5/3	BR	SA	NCM
A94	1	0-100	7.5YR 4/4	BR	SA	nail at 40 cm
A95	1	0-100	7.5YR 4/4	BR	SA	NCM
A96	1	0-100	7.5YR 4/4	BR	SA	NCM
A97	1	0-101	7.5YR 6/4	LT BR	SA LO	NCM
A98	1	0-35	2.5YR 5/3	WEAK RD	SA	NCM
A98	2	35-65	10YR 5/3	BR	SA	NCM
A99	1	0-100	7.5YR 4/4	BR	SA	NCM
A100	1	0-100	7.5YR 4/6	STRONG BR	SA CL	NCM
A101	1	0-100	7.5YR 3/4	DK BR	SA	glass at 30 cm
A102	1	0-45	10YR 3/2	V DK GR BR	SI SA	NCM
A102	1	0-96	7.5YR 5/4	BR	SA	glass, stone block, asphalt, plastic; layer of loose asphalt and stone at 35 cm
A102	2	45-65	10YR 4/6	DK YL BR	SI SA	disturbed; recently bulldozed area
A104	1	0-100	7.5YR 4/6	STRONG BR	SA CL	NCM
A105	1	0-100	7.5YR 3/4	DK BR	SA	NCM
A106	1	0-107	7.5YR 4/4	BR	SA	nail, glass

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A107	1	0-24	5YR 4/3	RD BR	SI SA	NCM
A107	2	24-62	10YR 3/4	DK YL BR	SI SA	ash lens at 24 cm
A108	1	0-100	7.5YR 4/6	STRONG BR	SA CL	plastic
A109	1	0-100	7.5YR 5/3	BR	SA	glass
A110	1	0-30	7.5YR 5/4	BR	SA	wooden plank impasse at 30 cm
A111	1	0-100	7.5YR 4/4	BR	SA	glass at 40 cm
A112	1	0-80	7.5YR 4/4	BR	SA	NCM
A113	1	0-100	7.5YR 4/6	STRONG BR	SA CL	brick, plastic
A114	1	0-102	7.5YR 5/4	BR	SA	NCM
A115	1	0-65	5YR 4/3	RD BR	SA	NCM
A115	2	65-75	10YR 5/4	YL BR	SA	NCM
A116	1	0-100	7.5YR 4/4	BR	SA	NCM
A117	1	0-100	7.5YR 5/3	BR	SA	NCM
A118	1	0-100	7.5YR 4/6	STRONG BR	SA CL	NCM
A119	1	0-91	7.5YR 5/4	BR	SA	NCM
A120	1	0-70	10YR 3/4	DK YL BR	SA	NCM
A121	1	0-100	7.5YR 4/6	STRONG BR	SA CL	NCM
A122	1	0-100	7.5YR 5/3	BR	SA	NCM
A123	1	0-100	7.5YR 4/4	BR	SA	NCM
A124	1	0-100	7.5YR 5/4	BR	SA	NCM
A125	1	0-102	7.5YR 5/6	STRONG BR	SA	NCM; water seepage at 70 cm
A126	1	0-100	7.5YR 4/6	STRONG BR	SA CL	NCM
A127	1	0-25	7.5YR 5/4	BR	SA	round headed nail at 20 cm
A127	2	25-50	10YR 5/4	YL BR	SA	NCM
A128	1	0-100	7.5YR 5/3	BR	SA	NCM
A129	1	0-100	7.5YR 4/4	BR	SA	NCM
A130	1	0-100	7.5YR 4/6	STRONG BR	SA CL	plastic
A131	1	0-95	7.5YR 5/4	BR	SA	plastic (not collected)
A132	1	0-107	7.5YR 5/6	STRONG BR	SA	NCM; water seepage at 104 cm
A133	1	0-100	7.5YR 4/6	STRONG BR	SA CL	NCM
A134	1	0-35	10YR 5/4	YL BR	SA	plastic, modern debris at 25 cm
A135	1	0-100	7.5YR 4/4	BR	SA	NCM
A136	1	0-103	7.5YR 6/4	LT BR	SA	NCM
A137	1	0-100	7.5YR 5/3	BR	SA	NCM
A138	1	0-75	10YR 6/4	LT YL BR	SA	NCM
A139	1	0-97	7.5YR 5/4	BR	SA	glass
A140	1	0-100	7.5YR 4/4	BR	SA	NCM
A141	1	0-107	7.5YR 5/3	BR	SA	NCM; 40% pebbles at 60 cm
A142	1	0-65	5YR 6/4	RD BR	SA	needle cap
A142	2	65-85	5YR 7/2	GR RD BR	SA	NCM; STP in beach patrol path
A143	1	0-100	7.5YR 5/6	STRONG BR	SA	NCM
A144	1	0-100	7.5YR 4/4	BR	SA	shell and pebbles
A145	1	0-75	5YR 7/2	GR RD BR	SA	NCM; in patrol area
A146	1	0-100	7.5YR 5/3	BR	SA	NCM
A147	1	0-65	5YR 6/3	RD BR	SA	bottle glass
A147	2	65-80	10YR 6/2	LT BR GR	SA	NCM
A148	1	0-100	7.5YR 5/6	STRONG BR	SA	NCM
A149	1	0-100	7.5YR 4/4	BR	SA	2 glass fragments at 15 cm
A150	1	0-100	7.5YR 5/3	BR	SA	NCM
A151	1	0-100	7.5YR 5/4	BR	SA	NCM
A152	1	0-65	5YR 6/3	RD BR	SA	NCM
A152	2	65-80	10YR 6/2	LT BR GR	SA	NCM
A153	1	0-100	7.5YR 4/4	BR	SA	NCM
A154	1	0-100	7.5YR 5/3	BR	SA	NCM
A155	1	0-95	7.5YR 5/4	BR	SA	glass
A156	1	0-100	7.5YR 5/5	STRONG BR	SA	NCM
A157	1	0-65	5YR 6/3	RD BR	SA	bottle glass at 10 cm

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A157	2	65-85	10YR 6/2	LT BR GR	SA	charcoal; impasse at 85 cm
A158	1	0-100	7.5YR 4/4	BR	SA	modern glass (not collected)
A159	1	0-101	7.5YR 6/4	LT BR	SA	glass
A160	1	0-100	7.5YR 5/3	BR	SA	glass (not collected)
A161	1	0-100	7.5YR 5/6, GLEY 2 5PB	STRONG BR, BLUISH BL	SA	plastic and glass
A162	1	0-60	10YR 6/3	PALE BR	SA	coal ash, bottle glass at 20 cm
A162	2	60-85	10YR 7/3	V PALE BR	SA	concrete fragment, coal; 120 m southeast of wood structure on beach
A163	1	0-100	7.5YR 4/4	BR	SA	charcoal layer at 35-40 cm at southeast corner of STP; 30 m northwest of wooden structure
A164	1	0-102	7.5YR 5/4	BR	SA	plastic
A165	1	0-97	7.5YR 5/4	BR	SA	glass
A166	1	0-100	7.5YR 5/3	BR	SA	NCM
Landside Tested Franklin Delano Roosevelt Boardwalk/Promenade						
A462a	1	0-20	7.5YR 6/4	LT BR	SA LO	glass, asphalt, plastic
A462a	2	20-37	7.5YR 3/1	V DK GR	SI LO	NCM
A462a	3	37-75	7.5YR 4/3	BR	SA	NCM
A463a	1	0-32	7.5YR 3/2	DK BR	SI LO	NCM
A463a	2	32-40	7.5YR 3/1	V DK GR	SI LO	NCM
A463a	3	40-90	5YR 3/3	DK RD BR	SA LO	NCM
A464a	1	0-28	7.5YR 2.5/2	V DK BR	SA LO	NCM; rock impasse at 28 cm
A465a	1	0-14	7.5YR 4/4	BR	SA	NCM
A465a	2	14-56	7.5YR 3/2	DK BR	SI LO	glass, whiteware
A465a	3	56-108	5YR 4/4	RD BR	SA	NCM
A466a	1	0-28	10YR 4/4	BR	SI SA	plastic, aluminum pull tab, Styrofoam at 25 cm
A466a	2	28-48	10YR 5/4	YL BR	SI SA	cellophane, coal at 40 cm
A466a	3	48-75	2.5YR 5/4	RD BR	SA	slag; STP next to fence
A467a	1	0-40	7.5YR 2.5/2	V DK BR	SA LO	glass at 30 cm
A467a	2	40-100	5YR 3/4	DK RD BR	SA	NCM
A468a	1	0-30	10YR 6/3	PALE BR	SA	elastic hair tie, bottle cap, clear bottle glass
A468a	2	30-65	10YR 3/3	DK BR	SI SA	modern debris, penny
A468a	3	65-80	2.5YR 5/4	RD BR	SA	POSITIVE
A469a	1	0-20	7.5YR 6/4	LT BR	SA LO	plastic, aluminum pull tab, Styrofoam at 25 cm
A469a	2	20-65	7.5YR 3/2	DK BR	SI LO	plastic, glass
A469a	3	65-87	5YR 4/3	RD BR	SA	NCM; chain link fence 1 m north
A470a	1	0-18	7.5YR 3/2	DK BR	SI LO	glass, roof material fragments
A470a	2	18-92	5YR 3/3	DK RD BR	SA LO	glass, nail, roof material
A471a						not excavated due to asphalt impasse; thin grass covering; STP near fence
A471a-4m south	1	0-10	10YR 6/3	PALE BR	SA	NCM
A471a-4m south	2	10-28	10YR 3/2	DK GR	SI SA	modern debris
A471a-4m south	3	28-38	2.5YR 4/6	RD	SA	NCM
A471a-4m south	4	38-100	2.5YR 4/5	RD BR	SA	cinder ash clinker, clear bottle glass at 80 cm
A471a-4m west	1	0-20	7.5YR 3/3	DK BR	SA LO	glass at 15 cm
A471a-4m west	2	20-100	5YR 3/4	DK RD BR	SA	NCM
A472a	1	0-10	7.5YR 5/4	BR	SA	NCM

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Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A472a	2	10-30	7.5YR 2.5/2	V DK BR	SA LO	NCM
A472a	3	30-100	5YR 3/4	DK RD BR	SA	glass at 75 cm
A472a-4m east	1	0-27	7.5YR 3/2	DK BR	SI LO	metal, glass
A472a-4m east	2	27-90	5YR 4/4	RD BR	SA	NCM
A473a	1	0-26	7.5YR 3/2	DK BR	SI LO	NCM
A473a	2	26-91	5YR 4/3, GLEY1 4/10Y	RD BR, DK GN GR	SA	blue-glazed glass fragment
A473a-4m east	1	0-27	7.5YR 3/2	DK BR	SA LO	NCM
A473a-4m east	2	27-93	5YR 4/4	RD BR	SA	NCM
A473a-4m south	1	0-20	7.5YR 3/2	DK BR	SI LO	NCM
A473a-4m south	2	20-70	5YR 4/4	RD BR	SA	glass at 32 cm; metal at 54 cm
A473a-4m south	3	70-100	7.5YR 5/4	BR	SA	NCM
A473a-4m west	1	0-23	7.5YR 3/2	DK BR	SA LO	NCM
A473a-4m west	2	23-90	5YR 4/4	RD BR	SA	bottle caps, glass
A474a	1	0-27	7.5YR 3/2	DK BR	SI LO	glass
A474a	2	27-95	5YR 3/3	DK RD BR	SA LO	NCM
A474a-4m south	1	0-19	7.5YR 2.5/1	BL	SI LO	NCM
A474a-4m south	2	19-99	7.5YR 4/6	STRONG BR	SA	NCM
A475a	1	0-27	7.5YR 4/3	BR	SA SI LO	glass
A475a	2	27-82	5YR 4/4	RD BR	SA	NCM
A475a-10ft west	1	0-20	10YR 3/1	BL	SA SI LO	aluminum bottle tops and pull tabs
A475a-10ft west	2	20-70	2.5YR 5/4	RD BR	SA	clear bottle glass
A475a-10ft west	3	70-80	10YR 6/3	PALE BR	SA	cinder, ash
A475a-4m east	1	0-28	10YR 3/1	BL	SA SI LO	modern debris
A475a-4m east	2	28-70	2.5YR 5/4	RD BR	SA	milled wood fragments at 50 cm
A475a-4m east	3	70-80	10YR 6/3	PALE BR	SA	NCM
A475a-4m south	1	0-15	10YR 3/2	BL	SI SA	NCM
A475a-4m south	2	15-30	2.5YR 5/4	RD BR	SA	NCM
A475a-4m west	1	0-25	10YR 3/2	BL	SI SA	bottle top and neck, plastic
A475a-4m west	2	25-65	2.5YR 5/4	RD BR	SA	plastic spray can nozzle at 38 cm; concrete fragment at 45 cm
A475a-4m west	3	65-70	10YR 6/3	PALE BR	SA	NCM
A475a-7.5m east	1	0-25	10YR 4/4	DK BR	SI SA LO	metal plate at 10 cm; plastic fork at 20 cm

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A475a-7.5m east	2	25-75	2.5YR 5/4	RD BR	SA	slag, ash
A475a-7.5m east	3	75-80	2.5YR 4/6	RD	SA	NCM
A476a	1	0-20	10YR 3/2	DK BR	SI SA	plastic spoon, tin foil, modern debris
A476a	2	20-60	2.5YR 4/6	RD BR	SA	rusted nail, brown bottle glass at 35 cm; cellophane, brown bottle glass at 50 cm; root impasse at 60 cm
A477a	1	0-10	7.5YR 2.5/2	V DK BR	SI LO	NCM
A477a	2	10-30	7.5YR 5/3	BR	SI LO	NCM
A477a	3	30-100	5YR 3/4	DK RD BR	SA	ceramic, glass at 40 cm
A477a-4m west	1	0-20	7.5YR 2.5/1	BL	SI LO	NCM
A477a-4m west	2	20-50	7.5YR 4/6	STRONG BR	SA	NCM; root impasse at 50 cm
A478a	1	0-28	7.5YR 3/2	DK BR	SI LO	NCM
A478a	2	28-91	5YR 3/3	DK RD BR	SA LO	NCM
A479a	1	0-22	7.5YR 3/2	DK BR	SI LO	NCM
A479a	2	22-69	5YR 4/4	RD BR	SA	NCM
A480a	1	0-23	7.5YR 3/2	DK BR	SI LO	NCM
A480a	2	23-70	7.5YR 4/3	BR	SA	glass, nail; root impasse at 70 cm
A480a-4m east	1	0-19	7.5YR 3/2	DK BR	SI LO	plastic
A480a-4m east	2	19-95	7.5YR 4/3	BR	SA	brick, glass at 60 cm
A480a-4m south	1	0-20	7.5YR 3/2	DK BR	SI LO	plastic
A480a-4m south	2	20-85	5YR 4/3	RD BR	SA	brick, glass; compacted concrete slab at 46 cm
A480a-4m west	1	0-26	7.5YR 3/2	DK BR	SI LO	plastic, glass, slag
A480a-4m west	2	26-56	5YR 4/3	RD BR	SA	pipe impasse at 56 cm
A481a	1	0-30	7.5YR 3/2	DK BR	SI LO	brown bottle glass (not collected)
A481a	2	30-97	5YR 3/3	DK RD BR	SA LO	glass
A481a-4m south	1	0-20	7.5YR 3/3	DK BR	SI LO	glass at 15 cm
A481a-4m south	2	20-100	5YR 4/4	RD BR	SA	glass at 70 cm; STP 5 m west of concrete access path; 30 m south of baseball field
A481a-4m west	1	0-25	7.5YR 3/3	DK BR	SI LO	glass, brick, ceramic at 10 cm
A481a-4m west	2	25-35	5YR 3/4	DK RD BR	SA	NCM
A481a-4m west	3	35-100	7.5YR 4/4	BR	SA	brick, nails, glass, spike, coal at 80-90 cm
A482a	1	0-27	10YR 3/3	DK BR	SI SA LO	bottle glass
A482a	2	27-70	2.5YR 5/4	RD BR	SA	ash, coal, clear glass, slag at 60 cm
A482a	3	70-83	10YR 6/3	PALE BR	SA	nail, coal, slag at 80 cm
A483a	1	0-35	7.5YR 2.5/2	V DK BR	SI LO CL	NCM
A483a	2	35-50	5YR 3/4	DK RD BR	SA	nails, concrete, glass at 40 cm
A483a	3	50-100	7.5YR 5/4	BR	SA	NCM
A483a-4m east	1	0-25	10YR 3/2	DK BR	SI SA LO	modern debris
A483a-4m east	2	25-55	2.5YR 5/4	RD BR	SA	mortar, slag, fill, brown bottle glass at 35 cm; concrete impasse at 55 cm

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A483a-4m south	1	0-22	10YR 3/2	DK BR	SA SI LO	modern debris
A483a-4m south	2	22-60	2.5YR 5/4	RD BR	SA	slag, flat glass at 38
A483a-4m south	3	60-90	10YR 6/3	PALE BR	SA	cinder, burnt fragments, concrete fragments at 50 cm
A484a	1	0-29	7.5YR 3/2	DK BR	SI LO	ceramic
A484a	2	29-42	5YR 4/4	RD BR	SA	glass
A484a	3	42-115	7.5YR 5/4	BR	SA	ceramic
A484a-4m south	1	0-25	7.5YR 3/3	DK BR	SI LO	brick, nails at 20 cm
A484a-4m south	2	25-40	5YR 3/4	DK RD BR	SA	plastic and modern debris
A484a-4m south	3	40-100	7.5YR 4/4	BR	SA	NCM
A484a-4m west	1	0-19	7.5YR 3/2	DK BR	SI SA	NCM
A484a-4m west	2	19-51	5YR 4/4	RD BR	SA	NCM
A484a-4m west	3	51-94	7.5YR 5/4	BR	SA	rusted nails, metal insulator material
A484a-7.5m east	1	0-26	7.5YR 3/2	DK BR	SI SA	NCM
A484a-7.5m east	2	26-48	5YR 4/4	RD BR	SA	clear glass
A484a-7.5m east	3	48-97	7.5YR 5/4	BR	SA	NCM
A484a-7.5m west	1	0-28	7.5YR 3/3	DK BR	SI LO	brick, glass at 15 cm
A484a-7.5m west	2	28-75	5YR 3/4	DK RD BR	SA	NCM
A484a-7.5m west	3	75-100	7.5YR 4/4	BR	SA	NCM
A485a	1	0-26	7.5YR 3/2	DK BR	SI LO	glass, metal, ceramic
A485a	2	26-101	7.5YR 4/3	BR	SA	sewer pipe at 80 cm
A485a-4m east	1	0-21	7.5YR 3/2	DK BR	SI SA	glass at 10 cm
A485a-4m east	2	21-40	5YR 4/4	RD BR	SA	metal sheet
A485a-4m east	3	40-70	7.5YR 5/4	BR	SA	NCM
A485a-4m south	1	0-20	7.5YR 3/2	DK BR	SI SA	glass at 20 cm
A485a-4m south	2	20-65	5YR 5/3	RD BR	SA	glass
A485a-4m south	3	65-95	7.5YR 5/3	BR	SA	NCM
A485a-4m south, 4m east	1	0-19	7.5YR 3/2	DK BR	SI SA	NCM
A485a-4m south, 4m east	2	19-46	5YR 4/4	RD BR	SA	whiteware at 23 cm; metal can at 35 cm
A485a-4m south, 4m east	3	46-100	7.5YR 5/4	BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A485a-4m west	1	0-23	7.5YR 3/2	DK BR	SI SA	glass at 17 cm
A485a-4m west	2	23-43	5YR 4/4	RD BR	SA	NCM
A485a-4m west	3	43-95	7.5YR 5/4	BR	SA	NCM
A486a	1	0-10	10YR 3/2	DK BR	SI SA LO	glass, concrete, brown bottle glass, pull tab
A486a	2	10-25	10YR 3/3	BR	SA SI LO	ceramic fragment at 19 cm
A486a	3	25-50	2.5YR 5/4	RD BR	SA	POSITIVE
A486a-4m east	1	0-20	7.5YR 3/2	DK BR	SI SA	NCM
A486a-4m east	2	20-54	5YR 3/4	DK RD BR	SA LO	glass at 30 cm; whiteware at 37 cm
A486a-4m east	3	54-100	7.5YR 5/4	BR	SA	NCM
A486a-4m north	1	0-24	7.5YR 3/2	DK BR	SI SA	ceramic
A486a-4m north	2	24-45	7.5YR 4/3	BR	SA	NCM; rock impasse at 45 cm
A486a-7.5m east	1	0-32	7.5YR 3/2	DK BR	SI SA	NCM
A486a-7.5m east	2	32-56	5YR 3/4	DK RD BR	SA LO	ceramic (slipware) at 40 cm; glass at 48 cm
A486a-7.5m east	3	56-92	7.5YR 5/4	BR	SA	NCM
A486a-7.5m west	1	0-33	7.5YR 3/2	DK BR	SI SA	NCM
A486a-7.5m west	2	33-105	7.5YR 5/4	BR	SA	ceramic, glass at 65 cm
A487a	1	0-29	7.5YR 3/2	DK BR	SI LO	NCM
A487a	2	29-60	5YR 3/3	DK RD BR	SA LO	glass at 50 cm
A487a	3	60-130	7.5YR 4/3	BR	SA LO	whiteware nail at 70-90 cm
A488a	1	0-20	10YR 3/2	DK BR	SA SI LO	NCM
A488a	2	20-45	2.5YR 4/6	RD BR	SA	concrete, cinder, slag at 40 cm
A488a	3	45-55	10YR 5/2	GR BR	SA	concrete, cinder, gravel fill; rock impasse at 67 cm
A489a	1	0-25	7.5YR 3/2	DK BR	SI LO	glass
A489a	2	25-90	5YR 4/3	RD BR	SA	glass at 50 cm
A490a	1	0-40	7.5YR 2.5/2	V DK BR	SI LO	glass, coal at 40 cm
A490a	2	40-70	5YR 3/4	DK RD BR	SA	NCM; rock impasse at 70 cm
A491a	1	0-19	7.5YR 3/2	DK BR	SI LO	glass (not collected)
A491a	2	19-100	5YR 4/3	RD BR	SA	NCM
A492a	1	0-19	7.5YR 3/2	DK BR	SI LO	NCM
A492a	2	19-57	5YR 4/3	RD BR	SA	NCM
A492a	3	57-100	5YR 4/4	RD BR	SA	NCM
A493a	1	0-29	7.5YR 3/2	DK BR	SI LO	glass
A493a	2	29-100	5YR 3/3	DK RD BR	SA LO	NCM
A494a	1	0-30	7.5YR 3/2	DK BR	SI LO	NCM
A494a	2	30-96	7.5YR 6/4	LT BR	SA	brick, glass, nail
A495a	1	0-25	7.5YR 2.5/2	V DK BR	SI LO	brick at 20 cm
A495a	2	25-85	5YR 3/4	DK RD BR	SA	nail at 75 cm
A495a	3	85-100	7.5YR 5/4	BR	SA	NCM
A496a	1	0-28	10YR 3/2	DK BR	SI SA LO	POSITIVE
A496a	2	28-50	2.5YR 4/6	RD	SA	POSITIVE
A496a	3	50-68	10YR 5/2	GR BR	SA	coal

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A496a	4	68-75	10YR 6/3	PALE BR	SA	slag, cinder, coal
A497a	1	0-28	7.5YR 3/2	DK BR	SI LO	NCM
A497a	2	28-50	5YR 3/3	DK RD BR	SA LO	glass at 30 cm; rock impasse at 50 cm
A498a	1	0-23	10YR 5/4	YL BR	SA LO	NCM
A498a	2	23-39	7.5YR 2.5/2	V DK BR	SA LO	NCM
A498a	3	39-61	10YR 5/4	YL BR	SA	NCM; rock impasse at 61 cm
A499a	1	0-22	10YR 4/4	BR	SI SA LO	POSITIVE
A499a	2	22-45	10YR 3/3	BR	SI SA	green and brown bottle glass, floor tile, flat window glass at 40 cm; rock impasse at 45 cm
A500a	1	0-30	7.5YR 2.5/2	V DK BR	SI LO	metal, glass at 28 cm
A500a	2	30-70	5YR 3/4	DK RD BR	SA	NCM
A500a	3	70-100	7.5YR 5/4	BR	SI LO	NCM
A501a	1	0-25	7.5YR 3/2	DK BR	SA LO	nail, glass
A501a	2	25-85	7.5YR 4/3	BR	SA	NCM
Father Capodanno Boulevard to Miller Field Connect						
A454	1	0-96	7.5YR 5/3	BR	SA	glass, plastic at 50 cm
A456	1	0-6	10YR 6/3	PALE BR	SA	modern debris
A456	2	6-18	10YR 3/2	DK GR BR	SI SA	cellophane and plastic at 15 cm
A456	3	18-48	10YR 6/3, 3/2	PALE BR, DK GR BR	SA	aluminum pull tab, asphalt, Styrofoam, brown bottle glass at 30 cm
A456	4	48-55	5YR 4/3	RD BR	SA	NCM; root impasse at 55 cm
A457	1	0-25	7.5YR 3/2	DK BR	SI LO	NCM
A457	2	25-80	5YR 3/4	DK RD BR	SA	NCM
A458	1	0-23	7.5YR 3/2	DK BR	SI LO	NCM
A458	2	23-90	5YR 4/4	RD BR	SA LO	NCM
A459	1	0-3	7.5YR 2.5/2	V DK BR	SA LO	NCM
A459	2	3-20	7.5YR 3/2	DK BR	SA LO	NCM
A459	3	20-100	5YR 4/4	RD BR	SA	rusted metal, glass
A460	1	0-20	7.5YR 3/2	DK BR	SI LO	NCM
A460	2	20-40	5YR 3/4	DK RD BR	SA	NCM
A460	3	40-50	7.5YR 3/2	DK BR	SA CL	ceramic at 50 cm
A460	4	50-75	7.5YR 4/6	STRONG BR	SA	NCM
A461	1	0-50	7.5YR 4/3	BR	SI SA	glass
A461	2	50-70	7.5YR 4/3	BR	SA CL	NCM
Father Capadanno Boulevard Southern Ballpark/Picnic/Parking Areas						
A167	1	0-45	7.5YR 4/3	BR	SA LO	glass, metal
A167	2	45-63	7.5YR 6/6	RD YL	SA	NCM
A167-4m north	1	0-5	10YR 3/2	V DK GR BR	SI LO	NCM
A167-4m north	2	5-35	10YR 4/4	DK YL BR	SI SA	wood, plastic, ash, rubber comb, carbonized materials, cellophane, concrete waste at 20 cm
A167-4m north	3	35-50	2.5YR 4/4	DK RD	SA	screw top beer bottle, brown glass, cellophane, ash, cinder, trash, wood at 45 cm; rock impasse at 50 cm
A167-4m south	1	0-15	10YR 4/4	BR	SI SA	glass
A167-4m south	2	15-30	2.5YR 5/4	RD BR	SA	concrete impasse at 30 cm; 4 m interval
A168	1	0-15	7.5YR 3/2	DK BR	SI LO	7 brick fragments at 15 cm
A168	2	15-25	7.5YR 4/4	BR	SI LO	NCM
A168	3	25-40	5YR 3/4	DK RD BR	SA	NCM
A168-4m east	1	0-30	10YR 3/2	V DK BR	SI SA LO	modern debris (not collected)

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A168-4m east	2	30-53	5YR 4/4	RD BR	SA	glass at 53 cm
A168-4m east	3	53-63	7.5YR 5/3	BR	SA	NCM; 4 m interval
A168-4m west	1	0-22	10YR 3/2	V DK BR	SA SI LO	plastic straw
A168-4m west	2	22-80	2.5YR 5/4	RD BR	SA	slag, concrete
A168-4m west	3	80-95	10YR 6/3	PALE BR	SA	NCM; 75% small pebbles; 4 m interval
A169	1	0-25	7.5YR 3/1	V DK GR	SI LO	NCM
A169	2	25-47	7.5YR 4/4	BR	SA LO	NCM
A170	1	0-26	10YR 2/1	BL	SA SI	chicken bone at 10 cm
A170	2	26-65	5YR 5/4	RD BR	SA	NCM
A170-4m east	1	0-22	7.5YR 3/2	BR	SI LO	NCM
A170-4m east	2	22-55	5YR 4/3	DK RD BR	SA LO	NCM
A170-4m east	3	55-100	7.5YR 4/3	BR	SA	NCM; 4 m interval
A171	1	0-16	7.5YR 2.5/1	BL	SA LO	NCM
A171	2	16-100	7.5YR 4/3	BR	SA	NCM
A171-4m west	1	0-18	7.5YR 3/3	DK BR	SI LO	NCM
A171-4m west	2	18-100	5YR 4/4	RD BR	SA	NCM; 4 m interval
A172	1	0-18	10YR 2/1	BL	SI SA	clear window glass at 10 cm
A172	2	18-55	5YR 5/4	RD BR	SA	NCM
A172	3	55-65	5YR 6/3	LT RD BR	SA	NCM
A172-4m east	1	0-25	7.5YR 4/3	BR	SI LO	NCM
A172-4m east	2	25-72	5YR 4/3	RD BR	SA	NCM
A172-4m east	3	72-85	7.5YR 5/3	BR	SA	NCM; 4-m interval
A172-4m south	1	0-28	10YR 4/4	DK YL BR	SI LO	NCM
A172-4m south	2	28-70	5YR 4/3	RD BR	SA LO	NCM
A172-4m south	3	70-93	7.5YR 4/3	BR	SA	NCM; 4-m interval
A173	1	0-16	7.5YR 4/3	BR	SA LO	glass at 16 cm
A173	2	16-100	7.5YR 4/4	BR	SA	NCM
A173-4m east	1	0-20	7.5YR 3/3	DK BR	SI LO	NCM
A173-4m east	2	20-43	5YR 3/4	DK RD BR	SA	NCM
A173-4m east	3	43-100	7.5YR 4/4	BR	SA	NCM; 80% pebbles; 1 m north of baseball field; 4-m interval
A173-4m east a	1	0-28	7.5YR 3/3	DK BR	SI LO	brick, 3 nails at 10 cm
A173-4m east a	2	28-100	5YR 3/4	DK RD BR	SA	NCM; 4 m interval
A175	1	0-18	7.5YR 3/1	V DK GR	SI LO	NCM
A175	2	18-52	5YR 3/4	DK RD BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A176	1	0-25	7.5YR 3/2	DK BR	SI LO	nail, 2 brick fragments at 17 cm; rock impasse at 25 cm
A176-4m east	1	0-30	7.5YR 3/2	DK BR	SA LO	glass
A176-4m east	2	30-80	5YR 4/3	RD BR	SA	glass
A176-4m east	3	80-91	7.5YR 4/3	BR	SA	NCM; 4 m interval
A176-4m west	1	0-21	7.5YR 3/2	DK BR	SI SA LO	modern debris (not collected)
A176-4m west	2	21-42	5YR 4/4	RD BR	SA	whiteware, glass
A176-4m west	3	42-84	5YR 4/3	RD BR	SA	NCM; 4-m interval
A177	1	0-30	7.5YR 4/3	BR	SI CL	glass
A177	2	30-50	5YR 5/4	RD BR	SA	metal, glass
A177-4m east	1	0-18	7.5YR 4/4	BR	SI LO	NCM
A177-4m east	2	18-80	5YR 4/3	RD BR	SA LO	whiteware at 20 cm; glass at 34 cm
A177-4m east	3	80-100	7.5YR 4/3	BR	SA	NCM; 4-m interval
A177-4m west	1	0-18	7.5YR 4/4	DK BR	SI LO	NCM
A177-4m west	2	18-30	5YR 4/3	RD BR	SA LO	NCM; rock impasse at 30 cm; 4-m interval
A178	1	0-21	7.5YR 2.5/3	V DK BR	SA LO	glass, plastic at 21 cm
A178	2	21-100	7.5YR 4/4	BR	SA	NCM
A178-4m east	1	0-20	7.5YR 4/4	BR	SI LO	NCM
A178-4m east	2	20-100	5YR 4/3	RD BR	SA LO	glass bottle fragment at 70 cm; 4-m interval
A178-4m west	1	0-17	7.5YR 3/2	DK BR	SI LO	NCM
A178-4m west	2	17-85	5YR 4/3	RD BR	SA	NCM; 4-m interval
A179	1	0-18	7.5YR 2.5/2	V DK BR	SI LO	small shell fragments (not collected)
A179	2	18-46	5YR 3/4	DK RD BR	SA CL	NCM
A180	1	0-20	10YR 3/1	BL	SA SI	brown bottle glass at 10 cm
A180	2	20-30	5YR 5/4	RD BR	SA	NCM; root impasse at 30 cm
A180-4m east	1	0-19	7.5YR 3/2	DK BR	SI LO	NCM
A180-4m east	2	19-91	5YR 4/3	RD BR	SA	glass fragments; 4-m interval
A180-4m west	1	0-29	7.5YR 3/2	DK BR	SI LO	NCM
A180-4m west	2	29-92	5YR 4/3	RD BR	SA	NCM; 4-m interval
A181	1	0-20	7.5YR 4/3	BR	SI LO	NCM
A181	2	20-45	5YR 5/4	RD BR	SA	NCM
A182	1	0-15	7.5YR 3/2	DK BR	SI LO	NCM
A182	2	15-40	5YR 3/4	DK RD BR	SA LO	NCM
A183	1	0-25	7.5YR 3/2	DK BR	SI LO	3 brick fragments at 15 cm
A183	2	25-45	5YR 3/4	DK RD BR	SA LO	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A183-4m east	1	0-25	7.5YR 3/2	DK BR	SI LO	glass, ceramic
A183-4m east	2	25-91	5YR 4/3	RD BR	SA	glass at 25-70 cm
A183-4m west	1	0-28	7.5YR 3/3	DK BR	SI LO	NCM
A183-4m west	2	28-100	5YR 3/4	DK RD BR	SA	NCM; 4-m interval
A184	1	0-15	10YR 3/2	DK BR	SA SI	screw-on aluminum bottle top, concrete fragment at 10 cm
A184	2	15-30	7.5YR 5/1	GR	SI CL	coal ash, burnt chunks
A184	3	30-50	5YR 5/4	RD BR	SA	ash; 1 m from curb
A184-4m east	1	0-25	7.5YR 4/4	DK BR	SI LO	NCM
A184-4m east	2	25-100	5YR 4/3	DK RD BR	SA LO	metal at 60-80 cm; glass at 30 cm; 4-m interval
A184-4m west	1	0-10	10YR 4/4	BR	SI SA LO	gravel fill, beer bottle fragments, plastic top
A184-4m west	2	10-25	10YR 5/6	YL BR	SI SA	possible old road bed; flat asphalt impasse at 25 cm
A184r-4m east	1	0-15	7.5YR 3/3	DK BR	SI LO	NCM
A184r-4m east	2	15-27	5YR 3/4	DK RD BR	SA	NCM
A184r-4m east	3	27-60	7.5YR 3/3	DK BR	SA	NCM
A184r-4m east	4	60-100	7.5YR 4/4	BR	SA	ceramic at 80 cm
A185	1	0-20	7.5YR 3/2	DK BR	SI LO	ceramic at 0-20 cm
A185	2	20-52	7.5YR 4/3	BR	SA	NCM
A185-4m west	1	0-25	7.5YR 3/2	DK BR	SI LO	clear bottle glass (not collected)
A185-4m west	2	25-80	7.5YR 4/3	BR	SA	NCM
A185-4m west	3	80-95	7.5YR 4/4	BR	SA	NCM; 4-m interval
A186	1	0-22	7.5YR 2.5/1	BL	SA LO	glass, plastic, bottle caps
A186	2	22-69	7.5YR 4/6	STRONG BR	SA	glass
A187	1	0-30	7.5YR 3/3	DK BR	SI LO	NCM
A187	2	30-70	7.5YR 4/4	BR	SA	whiteware at 40 cm
A188	1	0-30	7.5YR 3/2	DK BR	SI LO	NCM
A188	2	30-50	5YR 3/4	DK RD BR	SA	NCM
A189	1	0-16	7.5YR 2.5/1	BL	SA LO	glass, bottle cap
A189	2	16-60	7.5YR 4/6	STRONG BR	SA	NCM
A190	1	0-15	10YR 3/2	BR	SA SI	bottle glass at 10 cm
A190	2	15-45	5YR 5/4	RD BR	SA	ash at 40 cm
A190	3	45-50	10YR 5/6	YL BR	SA	NCM
A190	4	50-75	5YR 5/4	RD BR	SA	NCM
A191	1	0-25	7.5YR 3/2	DK BR	SI LO	NCM
A191	2	25-50	5YR 3/4	DK RD BR	SA	NCM
A192	1	0-30	7.5YR 4/3	BR	SA	asphalt impasse at 30 cm
A193	1	0-16	7.5YR 3/2	DK BR	SI LO	NCM
A193	2	16-33	7.5YR 3/4	DK BR	SI LO	cement impasse at 22 cm
A194	1	0-27	10YR 3/4	DK YL BR	SA LO	glass
A194	2	27-60	5YR 4/3	RD BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A194-4m east	1	0-30	7.5YR 3/2	DK BR	SI LO	NCM
A194-4m east	2	30-60	5YR 4/4	RD BR	SA LO	glass, ceramic at 40 cm
A194-4m south	1	0-28	7.5YR 3/2	DK BR	SI LO	glass at 14 cm
A194-4m south	2	28-60	5YR 4/4	RD BR	SA LO	clam shells, glass at 35 cm
A194-4m west	1	0-23	7.5YR 3/2	DK BR	SI LO	NCM
A194-4m west	2	23-53	5YR 4/4	RD BR	SA LO	ceramic, sewer pipe, glass at 30 cm;
A195	1	0-25	7.5YR 3/2	DK BR	SI LO	2 brick fragments at 15 cm; rock impasse at 25 cm
A195-4m east	1	0-42	7.5YR 4/4	BR	SI LO	glass, brick, slate, tile
A195-4m east	2	42-67	5YR 4/4	RD BR	SA	NCM
A195-4m south	1	0-36	7.5YR 4/4	BR	SI LO	nail, glass
A195-4m south	2	36-42	5YR 4/4	RD BR	SA	NCM; rock impasse at 42 cm
A195-4m west	1	0-37	7.5YR 4/4	BR	SI LO	plastic, ceramic tile, gravel
A195-4m west	2	37-69	5YR 4/4	RD BR	SA	NCM; gravel
A196	1	0-30	7.5YR 4/4	BR	SI LO	glass, ceramic; rock impasse at 31 cm
A196-4m east	1	0-22	10YR 3/4	DK YL BR	SI LO	glass, whiteware
A196-4m east	2	22-48	7.5YR 4/4	BR	SA	whiteware
A196-4m south	1	0-30	10YR 3/4	DK YL BR	SI LO	whiteware, glass
A196-4m south	2	30-40	5YR 4/4	RD BR	SA	nail
A196-4m south	3	40-47	7.5YR 4/4	BR	SA	shell
A196-4m south	4	47-100	5YR 4/4	RD BR	SA	NCM
A196-4m west	1	0-21	10YR 3/4	DK YL BR	SI LO	glass, whiteware, nail
A196-4m west	2	21-39	7.5YR 3/2	DK BR	SA LO	NCM
A197	1	0-43	10YR 5/2	GR BR	SA SI LO	asphalt, glass, plastic at 15 cm; asphalt and rock impasse at 43 cm; STP located in Hempstead Ave., possible extension of road to beach
A197	1	0-45	10YR 3/1	V DK GR	SI SA LO	green bottle glass at 10 cm; broken road asphalt at 40 cm; asphalt impasse at 45 cm
A197-4m east	1	0-48	7.5YR 3/2	DK BR	SI LO	ceramic, glass, sewer pipe; very compact soil with asphalt debris at 30-40 cm
A197-4m east	2	48-84	5YR 4/4	RD BR	SA	NCM
A197-4m west	1	0-55	7.5YR 3/2	DK BR	SI LO	white ceramic sherds, brick fragments, glass at 10 cm; brick fragments, nail, glass at 35 cm
A197-4m west	2	55-75	5YR 3/4	DK RD BR	SA	NCM
A198	1	0-28	10YR 3/4	DK YL BR	SA LO	whiteware, glass

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A198	2	28-51	5YR 4/3	RD BR	SA	NCM
A198	3	51-61	7.5YR 4/4	BR	SA	NCM
A198-4m east	1	0-30	10YR 3/2	V DK GR BR	SA SI LO	plastic, glass at 10 cm
A198-4m east	2	30-37	2.5YR 4/4	OLIVE BR	SA SI	NCM
A198-4m east	3	37-60	10R 5/4	WK RD	SA	NCM; extremely compacted soil, impasse at 60 cm
A198-4m south	1	0-40	7.5YR 4/4	BR	SA LO	nail, glass, ceramic
A198-4m south	2	40-67	5YR 4/4	RD BR	SA	NCM
A198-4m west	1	0-39	7.5YR 4/3	BR	SI LO	glass, tile, brick fragment, whiteware
A198-4m west	2	39-62	7.5YR 5/6	STRONG BR	SI LO	NCM
A198-4m west	3	62-91	7.5YR 4/4	BR	SA	NCM
A199	1	0-24	7.5YR 4/3	BR	SI LO	NCM
A199	2	24-60	5YR 5/4	RD BR	SA	NCM
A200	1	0-30	10YR 4/3	BR	SA SI LO	NCM
A200	2	30-40	10YR 3/1	V DK GR	SA	NCM
A200	3	40-55	10R 5/4	WK RD	SA	NCM
A201	1	0-23	7.5YR 4/3	BR	SI LO	glass; rock impasse at 33 cm
A201	2	23-33	5YR 4/4	RD BR	SA	NCM
A201-4m east	1	0-35	7.5YR 4/3	BR	SI LO	glass, ceramic
A201-4m east	2	35-80	5YR 4/4	RD BR	SA	shell at 70 cm
A202	1	0-30	7.5YR 3/2	DK BR	SI LO	glass at 20 cm
A202	2	30-47	5YR 4/4	RD BR	SA LO	NCM
A202-6m south	1	0-30	7.5YR 4/4	BR	SI LO	glass, whiteware, fork
A202-6m south	2	30-72	5YR 4/4	RD BR	SA	whiteware; 6 m interval
A202-7.5m east	1	0-24	7.5YR 4/3	BR	SI LO	glass, ceramic at 15 cm
A202-7.5m east	2	24-28	2.5Y 4/4	OLIVE BR	SI	NCM
A202-7.5m east	3	28-75	10R 5/3	WK RD	SA	unglazed redware tile fragment at 70 cm
A202-7.5m east	4	75-80	10R 7/3	PALE RD	SA	NCM
A202-7.5m south	1	0-30	7.5YR 3/2	DK BR	SI CL	brick fragment, ceramic fragment, 2 glass fragments at 15 cm
A202-7.5m south	2	30-80	5YR 3/4	DK RD BR	SA	NCM
A203	1	0-20	7.5YR 3/2	DK BR	SI LO	glass at 10 cm
A203	2	20-50	5YR 3/4	DK RD BR	SA	NCM
A203-7.5m east	1	0-20	10YR 4/4	DK YL BR	SI LO	glass, whiteware
A203-7.5m east	2	20-58	5YR 4/4	RD BR	SA	shell fragment
A203-7.5m east	3	58-71	7.5YR 5/4	BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A203-7.5m east, 6m south	1	0-36	7.5YR 4/4	BR	SI LO	glass, ceramic, brick
A203-7.5m east, 6m south	2	36-80	5YR 4/4	RD BR	SA	whiteware
A204	1	0-26	10YR 3/2	DK YL BR	SI LO	glass at 26 cm
A204	2	26-62	5YR 4/3	RD BR	SA	glass at 62 cm
A205	1	0-25	10YR 4/3	BR	SA SI LO	NCM
A205	2	25-45	10R 5/4	WK RD	SA	NCM
A206	1	0-25	7.5YR 3/2	DK BR	SI LO	green glass at 5 cm
A206	2	25-50	5YR 3/4	DK RD BR	SA	NCM
A206-6m south	1	0-30	7.5YR 3/2	DK BR	SI LO	3 glass fragments, 3 ceramic fragments at 10 cm; soil is very compact from 15-30 cm
A206-6m south	2	30-75	5YR 3/4	DK RD BR	SI LO	NCM
A206-6m west	1	0-34	7.5YR 4/3	BR	SI LO	NCM
A206-6m west	2	34-69	5YR 3/4	DK RD BR	SI LO	NCM
A206-6m west	3	69-83	7.5YR 4/4	BR	SA LO	NCM
A207	1	0-27	7.5YR 4/3	BR	SI LO	glass
A207	2	27-60	5YR 4/4	RD BR	SA	NCM
A207-6m east	1	0-21	10YR 4/4	DK YL BR	SI LO	glass
A207-6m east	2	21-44	5YR 4/4	RD BR	SA	NCM
A207-6m east	3	44-90	7.5YR 5/4	BR	SA	NCM
A207-7.5m east, 6m west	1	0-15	10YR 2/2	V DK BR	SI SA LO	aluminum pull tab
A207-7.5m east, 6m west	2	15-30	10R 4/4	WEAK RD	SA	unglazed tile fragment
A207-7.5m east, 6m west	3	30-60	10R 6/4	PALE RD	SA	shell fragments
A208	1	0-16	10YR 3/4	DK YL BR	SI LO	bottle cap, glass, paper, plastic
A208	2	16-56	5YR 4/3	RD BR	SA	glass, charred material
A209	1	0-17	7.5YR 3/2	DK BR	SI LO	glass at 15 cm
A209	2	17-50	5YR 3/4	DK RD BR	SA LO	NCM
A210	1	0-20	10YR 3/1	V DK GR	SA SI LO	plastic fragment at 15 cm; rusted bottle cap with plastic liner at 10 cm
A210	2	20-50	10R 5/4	WEAK RD	SA	NCM; between sidewalk and parking lot
A211	1	0-25	7.5YR 3/2	DK BR	SI LO	glass, ceramic at 10-25 cm
A211	2	25-60	5YR 3/4	DK RD BR	SA	whiteware, glass, brick fragment at 30-49 cm
A211-5ft north	1	0-30	7.5YR 3/2	DK BR	SI LO	glass, ceramic at 15 cm
A211-5ft north	2	30-85	5YR 3/4	DK RD BR	SA	green round glass object at 60 cm
A212	1	0-75	7.5YR 3/2	DK BR	SI LO	modern debris
A213	1	0-35	10YR 4/3	BR	SA SI LO	possible fill; bottle glass at 10-20 cm
A213	2	35-60	10R 5/4	WEAK RD	SA	clear bottle glass, broken shell at 50 cm; 1 m west of post for parking lot, 5 m south of sewer manhole

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A214	1	0-28	10YR 4/3	BR	SA SI LO	glass
A214	2	28-65	10R 5/4	WEAK RD	SA	NCM
A215	1	0-25	7.5YR 3/2	DK BR	SI LO	NCM
A215	2	25-50	5YR 3/4	DK RD BR	SA	7 glass fragments at 25 cm
A215-5ft north	1	0-20	10YR 2/2	BR	SI CL LO	milk glass fragment, coal, watch glass, clear glass
A215-5ft north	2	20-70	10R 4/4	WEAK RD	SA	coal, slag
A215-5ft north	3	70-75	10R 6/4	PALE RD	SA	NCM
A216	1	0-20	10YR 4/3	BR	SA SI LO	NCM
A216	2	20-55	10R 5/4	WEAK RD	SA	clear and green bottle glass at 40 cm
A217	1	0-24	7.5YR 4/2	BR	SI LO	NCM
A217	2	24-110	5YR 4/4	RD BR	SA LO	glass, brick, amber glass (not collected)
A217-5ft north	1	0-20	7.5YR 3/3	DK BR	SI LO	NCM
A217-5ft north	2	20-100	5YR 5/6	YL RD	SA	glass; pebbles
A218	1	0-20	7.5YR 3/3	DK BR	SI LO	NCM
A218	2	20-85	5YR 5/6	YL RD	SA	NCM
A219	1	0-27	10YR 4/4	DK YL BR	SI LO	glass, tin can opener
A219	2	27-61	5YR 4/4	RD BR	SA	NCM
A219-5ft north	1	0-19	10YR 4/4	DK YL BR	SI LO	glass, whiteware
A219-5ft north	2	19-81	5YR 4/4	RD BR	SA	NCM
A220	1	0-25	7.5YR 3/2	DK BR	SI LO	glass at 10 cm
A220	2	25-70	5YR 3/4	DK RD BR	SA	NCM; concentration of pebbles from 60-70 cm
A220-10ft south	1	0-20	7.5YR 3/2	DK BR	SI LO	glass, bottle cap at 10 cm
A220-10ft south	2	20-100	5YR 3/4	DK RD BR	SA	ceramic shard, shell at 65 cm
A221	1	0-21	7.5YR 3/2	DK BR	SI LO	modern glass, whiteware
A221	2	21-109	5YR 4/4	RD BR	SA	NCM
A222	1	0-15	5YR 3/3	DK RD BR	SA SI LO	NCM
A222	2	15-85	2.5YR 5/4	RD BR	SA	NCM
A222	3	85-90	10YR 6/3	PALE BR	SA	NCM
A223	1	0-20	7.5YR 3/2	DK BR	SI LO	2 metal objects, glass at 10 cm
A223	2	20-100	5YR 3/4	DK RD BR	SA	NCM
A224	1	0-20	7.5YR 3/1	V DK GR	SI LO	whiteware, 2 quarters, glass
A224	2	20-100	5YR 4/4	RD BR	SA LO	NCM; 7.5 m interval due to paved circular road
A225	1	0-20	7.5YR 3/2	DK BR	SI CL	glass, ceramic
A225	2	20-95	7.5YR 5/4	BR	SA	NCM
A226	1	0-20	10YR 4/4	BR	SA SI CL	NCM
A226	2	20-65	2.5YR 5/4	RD BR	SA	NCM
A226	3	65-85	10YR 6/3	PALE BR	SA	NCM
A227	1	0-25	7.5YR 3/2	DK BR	SI LO	2 white ceramic fragments, 1 tile fragment, glass at 10-25 cm
A227	2	25-75	5YR 3/4	DK RD BR	SA	NCM
A228	1	0-25	7.5YR 3/2	DK BR	SI LO	NCM
A228	2	25-43	5YR 4/4	RD BR	SA	NCM
A228	3	43-100	7.5YR 4/6	STRONG BR	SA	NCM
A229	1	0-20	7.5YR 5/4	BR	SA	plastic (not collected), glass
A229	2	20-47	7.5YR 3/2	DK BR	SI LO	plastic (not collected)
A229	3	47-91	5YR 5/3	RD BR	SA	NCM
A230	1	0-28	7.5YR 3/1	V DK GR	SI LO	glass, ceramic, nail
A230	2	28-90	5YR 4/4	RD BR	SA LO	nail

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A230	3	90-100	7.5YR 5/4	BR	SA	NCM
A231	1	0-30	10YR 6/3	PALE BR	SA	foil; rock impasse at 30 cm; broken concrete and asphalt
A232	1	0-26	7.5YR 3/2	DK BR	SA LO	NCM
A232	2	26-37	5YR 4/4	RD BR	SA	NCM
A232	3	37-44	7.5YR 3/2	DK BR	SA LO	NCM
A232	4	44-100	5YR 4/4	RD BR	SA	NCM
A233	1	0-42	7.5YR 3/2	DK BR	SA LO	plastic (not collected), glass, whiteware
A233	2	42-93	5YR 5/3	RD BR	SA	NCM
A234	1	0-20	7.5YR 3/2	DK BR	SA LO	glass, ceramic at 15 cm
A234	2	20-60	5YR 3/4	DK RD BR	SA	NCM
A234	3	60-100	7.5YR 4/4	BR	SA	NCM
A235	1	0-23	10YR 3/2	DK BR	SA SI LO	NCM
A235	2	23-75	2.5YR 5/4	RD BR	SA	NCM
A235	3	75-88	10YR 6/3	PALE BR	SA	NCM
A236	1	0-19	7.5YR 3/1	V DK GR	SI LO	NCM
A236	2	19-73	5YR 4/4	RD BR	SA LO	NCM
A236	3	73-97	7.5YR 5/4	BR	SA	NCM
A237	1	0-20	7.5YR 3/2	DK BR	SI LO	2 glass fragments at 10 cm
A237	2	20-35	5YR 3/4	DK RD BR	SA	NCM
A238	1	0-27	7.5YR 3/2	DK BR	SI LO	NCM
A238	2	27-85	5YR 5/3	RD BR	SA	NCM
A239	1	0-20	10YR 3/2	DK BR	SA SI LO	modern debris
A239	2	20-70	2.5YR 5/4	RD BR	SA	slag at 40 cm
A239	3	70-85	10YR 6/3	PALE BR	SA	NCM; 1 m from curb
A240	1	0-19	7.5YR 3/2	DK BR	SA LO	NCM
A240	2	19-83	5YR 4/4	RD BR	SA	NCM
A240	3	83-100	7.5YR 4/6	STRONG BR	SA	NCM
A241	1	0-20	7.5YR 3/1	V DK GR	SI LO	NCM
A241	2	20-80	5YR 4/4	RD BR	SA LO	NCM
A241	3	80-100	7.5YR 5/4	BR	SA	NCM
A242	1	0-15	7.5YR 3/2	DK BR	SI LO	9 glass fragments at 10 cm
A242	2	15-50	5YR 3/4	DK RD BR	SA	metal object (possibly slag) at 30 cm
A242	3	50-75	7.5YR 4/4	BR	SA	NCM
A243	1	0-21	7.5YR 3/2	DK BR	SI LO	NCM
A243	2	21-123	5YR 4/4	RD BR	SA	ceramic
A244	1	0-22	7.5YR 4/1	DK GR	SI LO	glass
A244	2	22-56	7.5YR 5/4	BR	SA LO	NCM; rock impasse at 56 cm
A245	1	0-22	10YR 2/1	BL	SA SI LO	NCM
A245	2	22-55	2.5YR 5/4	RD BR	SA	concrete at 35 cm
A245	3	55-70	10YR 6/3	PALE BR	SA	NCM
A246	1	0-18	7.5YR 3/1	DK GR	SI LO	NCM
A246	2	18-82	5YR 4/4	RD BR	SA	horseshoe iron at 25 cm
A246	3	82-100	7.5YR 5/4	BR	SA	NCM
A247	1	0-15	7.5YR 3/2	DK BR	SI LO	2 glass fragments at 5 cm
A247	2	15-40	5YR 3/4	DK RD BR	SA	glass at 38 cm
A247	3	40-100	7.5YR 4/4	BR	SA	NCM
A248	1	0-10	7.5YR 3/2	DK BR	SI LO	NCM
A248	2	10-25	5YR 4/4	RD BR	SA LO	glass, nail
A248	3	25-81	7.5YR 6/4	LT BR	SA	NCM
A249	1	0-20	10YR 3/2	BR	SI SA LO	NCM
A249	2	20-60	2.5YR 5/4	RD BR	SA	NCM
A249	3	60-65	10YR 6/3	PALE BR	SA	impasse at 65 cm, possibly concrete utility tunnel; 1.5 m from baseball field and chain link fence
A250	1	0-22	7.5YR 3/2	DK BR	SA LO	whiteware
A250	2	22-30	5YR 4/4	RD BR	SA	pearlware
A250	3	30-56	7.5YR	V DK BR	SA LO	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A250-7.5ft north	1	0-16	7.5YR 3/2	DK BR	SI LO	NCM
A250-7.5ft north	2	16-60	5YR 5/4	RD BR	SA LO	glass
A250-7.5ft north	3	60-80	7.5YR 4/3	BR	SA CL	bolt, brick, glass
A250-7.5m north	1	0-20	7.5YR 3/2	DK BR	SI LO	NCM
A250-7.5m north	2	20-102	5YR 5/4	RD BR	SI	glass, slag, ceramic
A251	1	0-22	7.5YR 4/1	V DK GR	SI LO	whiteware, glass at 20 cm
A251	2	22-100	5YR 4/4	RD BR	SA LO	NCM
A252	1	0-10	7.5YR 3/2	DK BR	SI LO	NCM
A252	2	10-90	5YR 3/4	DK RD BR	SA	NCM
A252	3	90-100	7.5YR 4/4	BR	SA	NCM
Father Capodanno Boulevard Open Parkland 1						
A267	1	0-10	10YR 3/2	DK BR	SA SI	NCM
A267	2	10-45	2.5YR 5/4	RD BR	SA	NCM
A267	3	45-60	10YR 6/3	PALE BR	SA	NCM
A253	1	0-15	10YR 4/4	GR OLIVE BR	SI SA LO	NCM
A253	2	15-50	2.5YR 5/4	RD BR	SA	asphalt
A253	3	50-65	10YR 6/3	PALE BR	SA	asphalt; 2 m from asphalt sidewalk; less than 2 m from city light for Iona St. walkway
A254	1	0-15	7.5YR 3/2	DK BR	SI LO	glass
A254	2	15-95	7.5YR 6/4	LT BR	SA	NCM
A255	1	0-16	7.5YR 4/1	V DK GR	SI LO	NCM
A255	2	16-80	5YR 4/4	RD BR	SA LO	NCM
A255	3	80-100	7.5YR 5/4	BR	SA LO	NCM
A256	1	0-10	7.5YR 3/2	DK BR	SI LO	NCM
A256	2	10-40	5YR 3/4	DK RD BR	SA	glass at 25 cm
A256	3	40-100	7.5YR 4/4	BR	SA	glass, plastic, nail at 50 cm
A256-4m east	1	0-15	7.5YR 3/2	DK BR	SI LO	NCM
A256-4m east	2	15-70	5YR 5/3	RD BR	SA LO	NCM
A256-4m east	3	70-100	7.5YR 6/4	LT BR	SA	NCM
A256-4m south	1	0-15	7.5YR 3/3	DK BR	SA LO	NCM
A256-4m south	2	15-100	7.5YR 5/6	STRONG BR	SA	over 20 glass fragments (several with writing), 'cracker jack' bag at 20 cm
A256-4m west	1	0-10	7.5YR 3/2	DK BR	SI LO	NCM
A256-4m west	2	10-80	5YR 5/3	RD BR	SA	NCM
A256-4m west	3	80-92	7.5YR 6/4	LT BR	SA	NCM
A257	1	0-12	7.5YR 3/2	DK BR	SI LO	NCM
A257	2	12-107	5YR 4/4	RD BR	SA	NCM
A259	1	0-10	10YR 3/2	BR	SI SA	NCM
A259	2	10-45	2.5YR 5/4	RD BR	SA	ash, asphalt
A259	3	45-57	7.5YR 3/1	V DK GR	SI	asphalt, ash; rock impasse at 57 cm
A260	1	0-15	7.5YR 3/2	DK BR	SI LO	NCM
A260	2	15-40	5YR 3/4	DK RD BR	SA	NCM
A260	3	40-100	7.5YR 4/4	BR	SA	NCM
A261	1	0-12	10YR 4/4	DK BR	SI SA LO	plastic straw
A261	2	12-80	2.5YR 5/4	RD BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A261	3	80-85	10YR 6/3	PALE BR	SA	NCM
A262	1	0-15	7.5YR 3/3	DK BR	SI LO	NCM
A262	2	15-100	5YR 4/4	RD BR	SA LO	NCM
A263	1	0-13	10YR 4/4	BR	SI SA LO	NCM
A263	2	13-95	2.5YR 5/4	RD BR	SA	NCM
A264	1	0-6	7.5YR 3/2	DK BR	SA LO	NCM
A264	2	6-100	5YR 4/4	RD BR	SA	NCM
A265	1	0-10	7.5YR 3/2	DK BR	SI LO	NCM
A265	2	10-40	5YR 3/4	DK RD BR	SA	NCM
A265	3	40-100	7.5YR 4/4	BR	SA	NCM
A266	1	0-12	7.5YR 3/3	DK BR	SI LO	glass at 10 cm
A266	2	12-48	5YR 4/4	RD BR	SA LO	NCM
A266	3	48-95	7.5YR 5/4	BR	SA LO	NCM
A266-4m east	1	0-20	7.5YR 3/2	DK BR	SI SA	NCM
A266-4m east	2	20-45	5YR 4/4	RD BR	SA	NCM
A266-4m east	3	45-65	10YR 6/3	PALE BR	SA	NCM
A266-4m south	1	0-10	7.5YR 3/2	DK BR	SA LO	NCM
A266-4m south	2	10-50	5YR 4/4	RD BR	SA	NCM
A266-4m south	3	50-65	7.5YR 5/4	BR	SA	NCM
A266-4m west	1	0-4	7.5YR 3/2	DK BR	SA LO	NCM
A266-4m west	2	4-31	5YR 4/4	RD BR	SA	NCM
A266-4m west	3	31-100	7.5YR 5/4	BR	SA	NCM
A268	1	0-5	10YR 4/3	BR	SA LO	NCM
A268	2	5-100	5YR 4/4	RD BR	SA	NCM
A269	1	0-10	7.5YR 3/2	DK BR	SI LO	NCM
A269	2	10-55	5YR 3/4	DK RD BR	SA	NCM
A269	3	55-100	7.5YR 4/4	BR	SA	NCM
A270	1	0-16	7.5YR 3/3	DK BR	SI LO	NCM
A270	2	16-43	5YR 4/4	RD BR	SA	NCM
A270	3	43-68	7.5YR 5/4	BR	SA	large pieces of burnt wood at 60 cm
A270-4m east	1	0-20	7.5YR 3/2	DK BR	SI SA	modern debris
A270-4m east	2	20-60	5YR 4/4	RD BR	SA	coal ash, slag
A270-4m east	3	60-70	10YR 5/4	YL BR	SA	NCM
A270-4m west	1	0-18	7.5YR 3/2	DK BR	SI LO	NCM
A270-4m west	2	18-72	5YR 4/4	RD BR	SA LO	NCM
A270-4m west	3	72-100	7.5YR 6/4	LT BR	SA	NCM
A271	1	0-9	10YR 4/3	BR	SA LO	NCM
A271	2	9-100	5YR 4/4	RD BR	SA	NCM
A272	1	0-15	10YR 3/2	DK BR	SI SA	concrete, asphalt; roots
A272	2	15-30	2.5YR 5/4	RD BR	SA	concrete, asphalt; 7.5-m interval; rock and root impasse at 30 cm
A273	1	0-10	7.5YR 3/2	DK BR	SA LO	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A273	2	10-50	5YR 4/4	RD BR	SA	glass bottle with top at 35 cm
A273	3	50-80	7.5YR 4/4	BR	SA	NCM; push pile 10 m south of STP
A274	1	0-19	7.5YR 3/3	DK BR	SI LO	POSITIVE
A274	2	19-100	5YR 4/4	RD BR	SA	glass bottle with top at 35 cm
A275	1	0-10	7.5YR 3/2	DK BR	SA LO	NCM
A275	2	10-85	5YR 5/4	RD BR	SA	NCM
A276	1	0-5	10YR 4/3	BR	SA LO	NCM
A276	2	5-79	5YR 4/4	RD BR	SA	NCM
A276	3	79-100	7.5YR 5/4	BR	SA	NCM
A277	1	0-10	7.5YR 3/2	DK BR	SA LO	NCM
A277	2	10-100	5YR 3/3	DK RD BR	SA	NCM
A278	1	0-15	7.5YR 4/1	DK BR	SI LO	NCM
A278	2	15-97	5YR 4/4	RD BR	SA LO	NCM
A279	1	0-10	10YR 3/1	DK BR	SI SA	NCM; roots
A279	2	10-55	2.5YR 5/4	RD BR	SA	NCM
A279	3	55-75	10YR 6/3	PALE BR	SA	NCM
A280	1	0-12	10YR 4/3	BR	SA LO	NCM
A280	2	12-89	5YR 4/4	RD BR	SA	NCM
A280-4m north	1	0-17	7.5YR 3/2	DK BR	SI LO	NCM
A280-4m north	2	17-92	5YR 4/4	RD BR	SA	glass at 45 cm
A281	1	0-21	7.5YR 3/2	DK BR	SI LO	NCM
A281	2	21-85	5YR 4/4	RD BR	SA	NCM
A282	1	0-5	7.5YR 3/2	DK BR	SA LO	NCM
A282	2	5-45	5YR 3/4	DK RD BR	SA	NCM
A282	3	45-100	7.5YR 4/4	BR	SA	NCM
A283	1	0-12	10YR 4/3	BR	SA LO	NCM
A283	2	12-55	5YR 4/4	RD BR	SA	NCM
A283	3	55-100	5YR 3/4	DK RD BR	SA	NCM
A284	1	0-18	10YR 4/4	BR	SA	NCM
A284	2	18-45	2.5YR 5/4	RD BR	SA	NCM
A284	3	45-65	10YR 6/3	PALE BR	SA	NCM
A285	1	0-34	5YR 4/4	RD BR	SA LO	NCM
A285	2	34-95	7.5YR 4/4	BR	SA	shells and pebbles
A286	1	0-15	7.5YR 3/2	DK BR	SI LO	NCM
A286	2	15-100	7.5YR 5/3	BR	SA	NCM; pebbles
A287	1	0-5	7.5YR 3/2	DK BR	SI LO	NCM
A287	2	5-63	5YR 3/4	DK RD BR	SA	ceramic sherd at 40 cm; pebbles
A287	3	63-100	7.5YR 4/4	BR	SA	NCM
A287-10ft east	1	0-15	10YR 4/4	BR	SA LO	NCM
A287-10ft east	2	15-55	7.5YR 5/4	RD BR	SA	25 glass fragments; pebbles
A287-10ft east	3	55-100	10YR 4/3	PALE BR	SA	NCM
A287-10ft north	1	0-5	10YR 4/4	BR	SA LO	NCM
A287-10ft north	2	5-65	7.5YR 5/4	RD BR	SA	shell and pebbles
A287-10ft north	3	65-100	10YR 4/3	PALE BR	SA	NCM
A287-10ft south	1	0-10	10YR 4/4	BR	SA LO	NCM
A287-10ft south	2	10-55	7.5YR 5/4	RD BR	SA	shell and pebbles

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A287-10ft south	3	55-100	10YR 4/3	PALE BR	SA	NCM
A287-10ft west	1	0-5	10YR 4/4	BR	SA LO	NCM
A287-10ft west	2	5-68	7.5YR 5/4	RD BR	SA	shell and pebbles
A287-10ft west	3	68-100	10YR 4/3	PALE BR	SA	NCM
A288	1	0-15	10YR 4/4	BR	SI SA	NCM
A288	2	15-80	7.5YR 5/4	RD BR	SA	plastic at 40 cm
A288	3	80-95	10YR 6/3	PALE BR	SA	NCM
A289	1	0-7	5YR 3/2	DK RD BR	SA LO	NCM
A289	2	7-31	5YR 4/4	RD BR	SA	NCM
A289	3	31-91	7.5YR 5/4	BR	SA	shells and small pebbles throughout STP
A290	1	0-10	10YR 4/4	BR	SI SA	NCM
A290	2	10-20	2.5YR 5/4	RD BR	SA	NCM
A290	3	20-80	10YR 6/3	PALE BR	SA	shell fragments
A290	4	80-90	2.5YR 5/4	RD BR	SA	shell fragments
A291	1	0-13	7.5YR 3/4	DK BR	SI LO	NCM
A291	2	13-27	5YR 4/4	RD BR	SA LO	shells and pebbles
A291	3	27-94	7.5YR 4/4	BR	SA LO	NCM
A292	1	0-95	7.5YR 5/3	BR	SA	NCM
A293	1	0-4	5YR 3/2	DK RD BR	SA LO	NCM
A293	2	4-33	5YR 4/4	RD BR	SA	NCM
A293	3	33-90	7.5YR 5/4	BR	SA	high concentration of shells and pebbles throughout STP
A294	1	0-12	5YR 3/2	DK RD BR	SA LO	NCM
A294	2	12-71	5YR 4/4	RD BR	SA	NCM
A295	1	0-15	7.5YR 5/1	GR	SI CL	NCM; gravel
A295	2	15-101	7.5YR 5/3	BR	SA	glass, nails; small pebbles
A295-10ft east	1	0-20	7.5YR 4/2	BR	SI LO	glass
A295-10ft east	2	20-87	7.5YR 6/3	LT BR	SA	NCM; pebbles
A295-10ft west	1	0-20	7.5YR 4/2	BR	SI LO	glass
A295-10ft west	2	20-95	7.5YR 6/3	LT BR	SA	NCM
A296	1	0-5	10YR 4/4	BR	SI SA	NCM
A296	2	5-20	2.5YR 5/4	RD BR	SA	NCM
A296	3	20-23	7.5YR 3/4	DK BR	SI LO	shell fragments, concrete; metal trim; former surface
A296	4	23-60	2.5YR 5/4	RD BR	SA	NCM
A296	5	60-63	7.5YR 3/4	DK BR	SA	shell fragments, metal hardware pieces; buried A horizon (collected)
A296	6	63-80	10YR 6/3	PALE BR	SA	NCM
A296	7	80-95	2.5YR 5/4	RD BR	SA	NCM
A296-10ft east	1	0-5	10YR 4/4	BR	SI SA	NCM
A296-10ft east	2	5-20	2.5YR 5/4	RD BR	SA	shells
A296-10ft east	3	20-95	10YR 6/3	PALE BR	SA	cellophane at 50 cm
A296-10ft east	4	95-105	2.5YR 5/4	RD BR	SA	shell fragments
A296-10ft north	1	0-5	10YR 4/4	BR	SI SA	window glass fragment (not collected)

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A296-10ft north	2	5-30	2.5YR 5/4	RD BR	SA	shell fragments
A296-10ft north	3	30-100	10YR 6/3	PALE BR	SA	shell fragments, coal
A296-10ft south	1	0-5	10YR 4/4	BR	SI SA	NCM
A296-10ft south	2	5-30	2.5YR 5/4	RD BR	SA	clear bottle glass
A296-10ft south	3	30-100	10YR 6/3	PALE BR	SA	NCM
A296-10ft south	4	100-105	2.5YR 5/4	RD BR	SA	NCM
A296-10ft west	1	0-5	10YR 4/4	BR	SI SA	NCM
A296-10ft west	2	5-27	2.5YR 5/4	RD BR	SA	NCM
A296-10ft west	3	27-107	10YR 6/3	PALE BR	SA	shells
A297	1	0-18	7.5YR 3/3	DK BR	SI LO	NCM
A297	2	18-32	5YR 4/4	RD BR	SA LO	NCM
A297	3	32-100	7.5YR 4/4	BR	SA LO	shells and pebbles
A298	1	0-27	5YR 4/3	RD BR	SA	NCM
A298	2	27-100	7.5YR 5/4	BR	SA	shells, sand and pebbles
A299	1	0-30	5YR 4/4	RD BR	SA LO	NCM
A299	2	30-105	7.5YR 4/4	BR	SA LO	shells and pebbles
A300	1	0-16	5YR 3/2	DL RD BR	SA LO	NCM
A300	2	16-22	5YR 4/4	RD BR	SA	NCM
A300	3	22-100	7.5YR 5/4	BR	SA	glass fragment, plastic bottle cap; pebbles and shells
A301	1	0-23	7.5YR 3/3	DK BR	SI LO	NCM
A301	2	23-100	7.5YR 4/4	BR	SA	NCM
A302	1	0-5	5YR 3/2	DK RD BR	SA LO	NCM
A302	2	5-29	5YR 4/4	RD BR	SA	NCM
A302	3	29-103	7.5YR 5/4	BR	SA	shell and pebbles
A303	1	0-97	7.5YR 6/3	LT BR	SA	NCM
A304	1	0-6	5YR 3/2	DK RD BR	SA LO	NCM
A304	2	6-33	5YR 4/4	RD BR	SA	shell and pebbles
A304	3	33-100	7.5YR 5/4	BR	SA	shell and pebbles
A305	1	0-5	7.5YR 3/2	DK BR	SA LO	NCM
A305	2	5-100	7.5YR 4/6	STRONG BR	SA	NCM
A306	1	0-20	5YR 4/4	RD BR	SA	NCM
A306	2	20-100	7.5YR 4/4	BR	SA	charcoal at 40 cm; glass at 70 cm
Father Capodanno Boulevard New Parking Lot						
A307	1	0-4	10YR 2/1	BL	SA LO	NCM
A307	2	4-90	7.5YR 4/3	BR	SA	glass, tile, plastic; pebbles and shells
A307-4m north	1	0-5	10YR 3/2, 3/1	BL, DK GR	SI SA	NCM
A307-4m north	2	5-60	5YR 4/4	RD BR	RD BR	coal clinker, concrete debris, asphalt debris/fill, 8-cm layer of broken road or path; 1.5 m from curb corner and sewer grate
A307-4m south	1	0-10	7.5YR 3/2	DK BR	SI LO	NCM
A307-4m south	2	10-81	5YR 4/3	RD BR	SA LO	glass
A307-4m south	3	81-95	7.5YR 4/3	BR	SA	glass

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A307-4m west	1	0-10	7.5YR 3/2	DK BR	SI LO	NCM
A307-4m west	2	10-80	5YR 4/3	RD BR	SA LO	glass at 24 cm; asphalt
A307-4m west	3	80-100	7.5YR 6/4	LT BR	SA	NCM
A307-5m southwest	1	0-17	5YR 4/4	RD BR	SA LO	NCM
A307-5m southwest	2	17-100	7.5YR 4/4	BR	SA	NCM
A308	1	0-20	7.5YR 3/2	DK BR	SI LO	NCM
A308	2	20-80	7.5YR 4/3	BR	SA	2 glass fragments; shells
A309	1	0-20	7.5YR 3/3	DK BR	SI LO	glass
A309	2	20-85	7.5YR 4/3	BR	SA	NCM
A310	1	0-17	7.5YR 3/3	DK BR	SI LO	NCM
A310	2	17-40				asphalt lens
A310	3	40-80	5YR 4/3	RD BR	SA LO	glass at 70 cm
A310	4	80-100	7.5YR 4/3	BR	SA	shells and pebbles
A311						not excavated due to utility line
A312	1	0-16	5YR 3/2	DK RD BR	SA LO	broken glass, modern debris (not collected)
A312	2	16-61	5YR 4/3	RD BR	SA	NCM; STP on newly sodden grass between road and parking lot
A313	1	0-18	7.5YR 2.5/2	V DK BR	SI LO	NCM
A313	2	18-75	5YR 4/4	RD BR	SA	ceramic, glass at 35 cm
A313	3	75-100	7.5YR 4/4	BR	SA	NCM
A314	1	0-15	7.5YR 3/2	DK BR	SI LO	plastic (not collected)
A314	2	15-85	7.5YR 5/4	BR	SA	NCM
A315	1	0-20	2.5YR 3/1	RD BR	SA	NCM
A315	2	20-30	2.5YR 5/4	RD BR	SA	NCM
A315	3	30-100	10YR 6/3	PALE BR	SA	NCM; roots at 50 cm
A316	1	0-12	7.5YR 2.5/3	V DK BR	SA LO	NCM
A316	2	12-27	5YR 3/4	DK RD BR	SA	NCM
A316	3	27-100	7.5YR 4/4	BR	SA	NCM
Father Capodanno Boulevard Open Parkland 2						
A317	1	0-5	10YR 4/4	BR	SA	NCM
A317	2	5-15	2.5YR 3/1	DK RD BR	SA	NCM
A317	3	15-35	2.5YR 5/6	RD BR	SA	shell
A317	4	35-90	10YR 6/3	PALE BR	SA	clear bottle glass (not collected) at 40 cm
A317-4m south	1	0-9	7.5YR 3/2	DK BR	SA LO	NCM
A317-4m south	2	9-27	5YR 4/4	RD BR	SA	NCM
A317-4m south	3	27-80	7.5YR 5/4	BR	SA	shell and pebbles
A317a-4m east	1	0-8	7.5YR 3/2	DK BR	SA LO	NCM
A317a-4m east	2	8-37	5YR 4/4	RD BR	SA	NCM
A317a-4m east	3	37-80	7.5YR 5/4	BR	SA	shell and pebbles
A317b-4m east	1	0-5	7.5YR 3/3	DK BR	SA LO	NCM
A317b-4m east	2	5-15	5YR 3/4	DK RD BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A317b-4m east	3	15-100	7.5YR 4/6	STRONG BR	SA	NCM
A318	1	0-7	5YR 3/2	DK RD BR	SA LO	NCM
A318	2	7-31	5YR 4/3	RD BR	SA	NCM
A318	3	31-79	7.5YR 4/3	BR	SA	shell and pebbles
A319	1	0-10	7.5YR 4/2	BR	SA LO	glass
A319	2	10-84	7.5YR 5/4	BR	SA	NCM
A319-10ft north	1	0-15	7.5YR 4/2	BR	SA LO	NCM
A319-10ft north	2	15-85	7.5YR 5/4	BR	SA	NCM
A319-10ft south	1	0-20	7.5YR 4/2	BR	SA LO	glass
A319-10ft south	2	20-90	7.5YR 5/4	BR	SA	NCM
A320	1	0-5	7.5YR 2.5/3	V DK BR	SA LO	NCM
A320	2	5-53	5YR 3/4	DK RD BR	SA	NCM
A320	3	53-100	7.5YR 4/4	BR	SA	NCM
A321	1	0-7	5YR 3/2	DK RD BR	SA LO	NCM
A321	2	7-37	5YR 4/3	RD BR	SA	NCM
A321	3	37-100	7.5YR 4/3	BR	SA	shells and pebbles
A322	1	0-30	5YR 4/4	RD BR	SA	NCM
A322	2	30-100	7.5YR 4/4	BR	SA	NCM
A323	1	0-15	10YR 4/4	BR	SI SA	NCM
A323	2	15-30	2.5YR 5/4	RD BR	SA	shells and pebbles
A323	3	30-100	10YR 6/3	PALE BR	SA	NCM
A324	1	0-10	7.5YR 2.5/3	V DK BR	SA LO	ceramic and glass at 5 cm
A324	2	10-42	5YR 3/4	DK RD BR	SA	NCM
A324	3	42-100	7.5YR 4/4	BR	SA	NCM
A324-4m west	1	0-15	7.5YR 3/3	DK BR	SA LO	NCM
A324-4m west	2	15-100	7.5YR 4/6	STRONG BR	SA	NCM
A324a-4m east	1	0-28	5YR 4/4	RD BR	SI SA LO	modern glass (not collected)
A324a-4m east	2	28-91	7.5YR 5/4	BR	SA	shells and pebbles
A324b-4m east	1	0-18	5YR 4/4	RD BR	SI SA LO	glass
A324b-4m east	2	18-83	7.5YR 5/4	BR	SA	NCM
A325	1	0-6	5YR 3/2	DK RD BR	SA LO	NCM
A325	2	6-23	5YR 4/3	RD BR	SA	NCM
A325	3	23-100	7.5YR 4/3	BR	SA	shells and pebbles
A326	1	0-5	5YR 3/2	DK RD BR	SA LO	NCM
A326	2	5-100	5YR 4/3	RD BR	SA	plastic; shells and pebbles
A327	1	0-45	2.5YR 3/4	RD BR	SA	NCM
A327	2	45-60	10YR 6/3	PALE BR	SA	NCM
A328	1	0-12	7.5YR 2.5/3	V DK BR	SA LO	NCM
A328	2	12-24	5YR 3/4	DK RD BR	SI LO	NCM
A328	3	24-100	7.5YR 4/4	BR	SA	NCM
A329	1	0-6	5YR 3/2	DK RD BR	SA LO	NCM
A329	2	6-81	5YR 4/3	RD BR	SA	glass fragments
A329	3	81-100	7.5YR 4/4	BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A329-10ft north	1	0-6	5YR 2.5/1	BL	SA LO	NCM
A329-10ft north	2	6-39	5YR 4/3	RD BR	SA	NCM
A329-10ft north	3	39-109	7.5YR 4/4	BR	SA	plastic
A329-10ft south	1	0-6	5YR 2.5/1	BL	SA LO	NCM
A329-10ft south	2	6-35	5YR 4/3	RD BR	SA	NCM
A329-10ft south	3	35-100	7.5YR 5/2	BR	SA	NCM
A330	1	0-25	7.5YR 3/3	DK BR	SI LO	glass
A330	2	25-100	5YR 4/4	RD BR	SA	glass
A330-4m east	1	0-28	7.5YR 3/3	DK BR	SI LO	aluminum can, beer bottle glass, small sample collected
A330-4m east	2	28-70	5YR 4/4	RD BR	SA	nail at 50 cm
A330-4m south	1	0-67	5YR 4/3	RD BR	SA	shells and pebbles
A330-4m south	2	67-85	7.5YR 4/3	BR	SA	NCM
A330-4m west	1	0-15	7.5YR 3/3	DK BR	SA LO	NCM
A330-4m west	2	15-75	7.5YR 3/3	DK BR	SA	NCM
A330-4m west	3	75-100	7.5YR 4/6	STRONG BR	SA	NCM; pebbles
A331	1	0-10	10YR 4/4	BR	SI SA	NCM
A331	2	10-90	2.5YR 4/5	RD BR	SA	concrete at 50 cm
A331	3	90-95	10YR 2/1	BL	SA	burnt wood; white ceramic from bathroom fixture at 90 cm
A331	4	95-105	10YR 4/1	DK GR	SI SA	NCM
A331	5	95-115	10YR 6/5	PALE BR	SA	NCM
A331-10ft east	1	0-8	10YR 4/4	BR	SI SA	NCM
A331-10ft east	2	8-50	2.5YR 5/4	RD BR	SA	NCM
A331-10ft east	3	50-110	10YR 6/3	PALE BR	SA	window glass, round nail, green asphalt shingle fragments, charcoal at 80-90 cm; red asphalt shingle fragments, burnt wood at 110 cm
A331-10ft north	1	0-13	10YR 4/4	BR	SI SA	POSITIVE
A331-10ft north	2	13-60	2.5YR 5/4	RD BR	SA	POSITIVE
A331-10ft north	3	60-125	10YR 6/3, 6/5	PALE BR, PALE BR	SA	shell, charcoal, wire nail, clear bottle glass
A331-10ft south	1	0-8	10YR 5/4	BR	SI SA	NCM
A331-10ft south	2	8-55	2.5YR 5/6	RD BR	SA	POSITIVE
A331-10ft south	3	55-75	10YR 6/3	PALE BR	SA	burnt wood, 20th century artifacts; buried A horizon
A331-10ft south	4	75-90	10YR 3/1	BL	SA	burnt wood, 20th century artifacts; buried A horizon
A331-10ft south	5	90-100	10YR 6/3	PALE BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A331-10ft west						not excavated due to tree
A332	1	0-25	7.5YR 4/2	BR	SA	glass
A332	2	25-90	7.5YR 5/4	BR	SA	NCM
A332-4m east	1	0-12	7.5YR 3/4	DK BR	SA LO	modern surface debris (not collected)
A332-4m east	2	12-40	5YR 4/4	RD BR	SA	NCM
A332-4m east	3	40-90	7.5YR 5/4	BR	SA	NCM
A332-4m south	1	0-13	7.5YR 3/2	DK BR	SA LO	NCM
A332-4m south	2	13-47	5YR 4/4	RD BR	SA	NCM
A332-4m south	3	47-97	7.5YR 5/4	BR	SA	NCM
A332-4m west	1	0-15	10YR 4/4	BR	SI SA	modern debris
A332-4m west	2	15-60	5YR 4/4	RD BR	SA	aluminum fragments, foil, plastic straw, bottle cap at 30-45 cm
A332-4m west	3	60-100	10YR 6/3, 5YR 5/1	PALE BR, GR	SA	coal ash, asphalt, clinker at 70 cm
A333	1	0-4	5YR 3/2	DK RD BR	SA LO	NCM
A333	2	4-100	5YR 4/3	RD BR	SA	shells and pebbles
A334	1	0-22	7.5YR 3/3	DK BR	SI LO	ceramic, glass at 20 cm
A334	2	22-95	5YR 4/4	RD BR	SA LO	NCM
A334-4m east	1	0-25	10YR 4/4	BR	SI SA	bottle top liners
A334-4m east	2	25-75	5YR 4/4	RD BR	SA	green bottle glass
A334-4m east	3	75-85	10YR 6/3	PALE BR	SA	shell and pebbles
A334-4m west	1	0-15	7.5YR 5/3	BR	SA LO	NCM
A334-4m west	2	15-70	5YR 4/3	RD BR	SA	NCM
A334-4m west	3	70-85	7.5YR 4/3	BR	SA	NCM
A335	1	0-15	7.5YR 2.5/3	V DK BR	SA LO	NCM
A335	2	15-100	7.5YR 4/4	BR	SA	NCM
A336	1	0-20	7.5YR 4/2	BR	SA LO	NCM
A336	2	20-83	7.5YR 5/4	BR	SA	NCM
A337	1	0-7	10YR 2/1	BL	SA LO	NCM
A337	2	7-41	5YR 4/3	RD BR	SA	clear and amber glass
A337	3	41-86	7.5YR 4/3	BR	SA	NCM
A337-10ft north	1	0-4	10YR 2/1	BL	SA LO	NCM
A337-10ft north	2	4-29	5YR 4/3	RD BR	SA	NCM
A337-10ft north	3	29-90	7.5YR 5/3	BR	SA	NCM
A337-10ft south	1	0-3	10YR 2/1	BL	SA LO	NCM
A337-10ft south	2	3-35	5YR 4/3	RD BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A337-10ft south	3	35-102	7.5YR 5/3	BR	SA	NCM
A338	1	0-5	10YR 2/2	V DK BR	SA LO	NCM
A338	2	5-100	7.5YR 4/4	BR	SA	NCM
A339	1	0-15	7.5YR 3/2	DK BR	SA LO	NCM
A339	2	15-85	7.5YR 5/3	BR	SA	NCM
A340	1	0-14	7.5YR 3/3	DK BR	SI LO	glass at 10 cm
A340	2	14-100	5YR 4/4	RD BR	SA LO	NCM
A340-4m east	1	0-10	7.5YR 3/3	DK BR	SA LO	NCM
A340-4m east	2	10-15	5YR 4/3	RD BR	SA	NCM; rock impasse at 15 cm
A340-4m north	1	0-15	7.5YR 4/3	BR	SA LO	NCM
A340-4m north	2	15-85	5YR 4/3	RD BR	SA	NCM
A340-4m south	1	0-13	10YR 4/4	BR	SI SA	bottle cap liners
A340-4m south	2	13-60	5YR 5/4	RD BR	SA	flat glass, gravel fill
A340-4m south	3	60-75	10YR 6/3	PALE BR	SA	shells and pebbles
A341	1	0-10	7.5YR 3/2	DK BR	SA	NCM
A341	2	10-100	7.5YR 4/4	BR	SA	2 glass fragments at 50 cm
A341-4m east	1	0-4	7.5YR 4/4	BR	SA LO	modern glass (not collected)
A341-4m east	2	4-29	5YR 4/3	RD BR	SA	NCM
A341-4m east	3	29-91	7.5YR 5/4	BR	SA	glass
A341-4m south	1	0-15	7.5YR 3/2	DK BR	SI LO	glass
A341-4m south	2	15-68	5YR 4/3	RD BR	SA LO	NCM
A341-4m south	3	68-90	7.5YR 4/4	BR	SA	NCM
A341-4m west	1	0-16	7.5YR 3/2	DK BR	SI LO	NCM
A341-4m west	2	16-70	5YR 4/3	RD BR	SA LO	NCM
A341-4m west	3	70-100	7.5YR 6/4	LT BR	SA	NCM
A342	1	0-15	7.5YR 3/2	DK BR	SA LO	NCM
A342	2	15-70	7.5YR 5/4	BR	SA LO	glass
A342	3	70-80	7.5YR 5/2	BR	SA LO	NCM
A342-4m east	1	0-18	7.5YR 3/2	DK BR	SI LO	NCM
A342-4m east	2	18-52	5YR 4/3	RD BR	SA LO	NCM; rock impasse at 27 cm; gravel
A342-4m south	1	0-23	7.5YR 3/3	DK BR	SA	modern debris (not collected)
A342-4m south	2	23-100	5YR 3/4	DK RD BR	SA	NCM
A342-4m west	1	0-20	10YR 4/4	BR	SI SA LO	NCM
A342-4m west	2	20-40	5YR 4/4	RD BR	SA	gravel fill, clinker; rock impasse at 40 cm

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A343	1	0-14	7.5YR 3/3	DK BR	SI LO	NCM
A343	2	14-93	5YR 4/4	RD BR	SA LO	glass at 30-60 cm; pebbles and shells
A343-4m east	1	0-10	10YR 4/4	BR	SI SA	NCM; root mat
A343-4m east	1	0-15	7.5YR 3/2	DK BR	SI LO	NCM
A343-4m east	2	10-66	5YR 4/4	RD BR	SA	ash, cinder, concrete, chert at 25-35 cm
A343-4m east	2	15-92	5YR 4/3	RD BR	SA LO	NCM
A343-4m south	1	0-70	5YR 4/3	RD BR	SA LO	NCM
A343-4m south	2	70-100	7.5YR 6/4	BR	SA LO	NCM
A343-4m west	1	0-15	7.5YR 4/3	BR	SA	NCM
A343-4m west	2	15-92	5YR 4/3	RD BR	SA	glass at 60 cm
A344	1	0-15	7.5YR 3/3	DK BR	SI LO	NCM
A344	2	15-95	5YR 4/4	RD BR	SA LO	NCM
A345	1	0-15	7.5YR 3/2	DK BR	SI LO	NCM
A345	2	15-100	7.5YR 4/4	BR	SA	metal object at 23 cm
A345-4m east	1	0-19	7.5YR 3/2	DK BR	SI LO	NCM
A345-4m east	2	19-67	5YR 4/3	RD BR	SA LO	NCM; pebbles
A345-4m east	3	67-100	7.5YR 6/4	LT BR	SA	NCM
A345-4m south	1	0-15	7.5YR 3/2	DK BR	SI LO	NCM
A345-4m south	2	15-75	5YR 4/3	RD BR	SA LO	NCM
A345-4m south	3	75-92	7.5YR 4/4	BR	SA	NCM
A345-4m west	1	0-15	7.5YR 3/2	DK BR	SA	NCM
A345-4m west	2	15-100	5YR 3/4	DK RD BR	SA	NCM
A346	1	0-10	7.5YR 3/2	DK BR	SA LO	NCM
A346	2	10-88	7.5YR 5/3	BR	SA	NCM
A347	1	0-20	7.5YR 3/2	DK BR	SA LO	NCM
A347	2	20-35	5YR 3/4	DK RD BR	SA	NCM
A347	3	35-100	7.5YR 4/4	BR	SA	2 glass fragments at 48 cm
A347-4m east	1	0-15	7.5YR 3/2	DK BR	SA	NCM
A347-4m east	2	15-70	5YR 4/3	RD BR	SA LO	glass
A347-4m east	3	70-87	7.5YR 4/4	BR	SA	NCM
A347-4m south	1	0-15	7.5YR 3/2	DK BR	SA	NCM
A347-4m south	2	15-65	5YR 3/4	DK RD BR	SA	glass at 40 cm
A347-4m south	3	65-100	7.5YR 4/6	STRONG BR	SA	NCM
A347-4m west	1	0-5	10YR 3/2	DK BR	SI SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A347-4m west	2	5-10	7.5YR 4/6	STRONG BR	SA	NCM
A347-4m west	3	10-20	5YR 4/4	RD BR	SA	NCM
A347-4m west	4	20-45	10YR 4/4	BR	SA	80% shells
A347-4m west	5	45-80	10YR 6/3	PALE BR	SA	NCM
A348	1	0-18	7.5YR 3/2	DK BR	SA	NCM
A348	2	18-97	5YR 4/4	RD BR	SA LO	shells
A349	1	0-11	7.5YR 3/2	DK BR	SA LO	NCM
A349	2	11-86	7.5YR 3/3	BR	SA	NCM
A350	1	0-13	7.5YR 2.5/2	V DK BR	SA LO	NCM
A350	2	13-38	7.5YR 5/4	BR	SA	NCM
A350	3	38-100	7.5YR 5/2	BR	SA	shells and pebbles
A351	1	0-11	7.5YR 3/3	DK BR	SI LO	NCM
A351	2	11-98	5YR 4/4	RD BR	SA LO	shells and pebbles
A352	1	0-13	7.5YR 2.5/2	V DK BR	SA	NCM
A352	2	13-28	5YR 4/4	RD BR	SA	2 glass fragments at 25 cm
A352	3	28-100	7.5YR 4/4	BR	SA	NCM
A352-10ft north	1	0-10	7.5YR 3/2	DK BR	SA LO	NCM
A352-10ft north	2	10-32	5YR 3/4	DK RD BR	SA	NCM
A352-10ft north	3	32-100	7.5YR 4/4	BR	SA	NCM
A352-10ft south	1	0-10	10YR 4/4	BR	SI SA	NCM
A352-10ft south	2	10-35	2.5YR 5/4	RD BR	SA	NCM
A352-10ft south	3	35-100	10YR 6/4	PALE BR	SA	NCM
A353	1	0-10	7.5YR 4/3	BR	SA LO	NCM
A353	2	10-87	7.5YR 6/4	LT BR	SA	NCM
A354	1	0-12	10YR 4/2	DK GR BR	SI SA	NCM
A354	2	12-50	2.5YR 5/4	RD BR	SA	NCM
A354	3	50-100	10YR 6/3	PALE BR	SA	NCM
A355	1	0-4	5YR 2.5/2	DK RD BR	SA LO	NCM
A355	2	4-18	5YR 4/4	RD BR	SA	NCM
A355	3	18-100	7.5YR 5/2	BR	SA	shells and pebbles
A356	1	0-18	7.5YR 3/3	DK BR	SI LO	NCM
A356	2	18-100	5YR 4/4	RD BR	SA LO	shells and pebbles
A357	1	0-10	7.5YR 4/3	BR	SA LO	NCM
A357	2	10-92	7.5YR 6/4	LT BR	SA	NCM
A358	1	0-22	5YR 2.5/2	DK RD BR	SA LO	NCM
A358	2	22-62	5YR 4/4	RD BR	SA	NCM
A358	3	62-100	7.5YR 5/2	BR	SA	shells and pebbles
A359	1	0-12	5YR 2.5/2	DK RD BR	SA LO	NCM
A359	2	12-51	5YR 4/4	RD BR	SA	NCM
A359	3	51-100	7.5YR 5/2	BR	SA	shells and pebbles
A360	1	0-10	7.5YR 3/3	DK BR	SA LO	glass at 5 cm
A360	2	10-20	7.5YR 4/4	BR	SA	NCM
A360	3	20-80	5YR 3/4	DK RD BR	SA	NCM
A360	4	80-100	7.5YR 4/4	BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A360-10ft north	1	0-5	7.5YR 3/3	DK BR	SA LO	NCM
A360-10ft north	2	5-10	7.5YR 4/4	BR	SA	NCM
A360-10ft north	3	10-50	5YR 3/4	DK RD BR	SA	NCM
A360-10ft north	4	50-100	7.5YR 4/4	BR	SA	NCM
A360-10ft south	1	0-15	7.5YR 3/3	DK BR	SA LO	NCM
A360-10ft south	2	15-20	7.5YR 4/4	BR	SA	NCM
A360-10ft south	3	20-75	5YR 3/4	DK RD BR	SA	NCM
A360-10ft south	4	75-100	7.5YR 4/4	BR	SA	NCM
A361	1	0-17	7.5YR 4/3	BR	SA LO	NCM
A361	2	17-85	5YR 5/4	RD BR	SA	NCM
A362	1	0-25	7.5YR 3/4	DK BR	SA LO	glass
A362	2	25-100	5YR 4/4	RD BR	SA LO	NCM
A362-10ft north	1	0-18	7.5YR 3/4	DK BR	SA LO	glass
A362-10ft north	2	18-100	5YR 4/4	RD BR	SA LO	NCM
A362-10ft south	1	0-24	7.5YR 3/4	DK BR	SA LO	NCM
A362-10ft south	2	24-95	5YR 4/4	RD BR	SA LO	NCM
A363	1	0-9	5YR 2.5/1	BL	SA LO	NCM
A363	2	9-39	5YR 4/4	RD BR	SA	NCM
A363	3	39-100	7.5YR 5/3	BR	SA	shells and pebbles
A364	1	0-13	10YR 3/1	BL	SI SA	modern debris (not collected)
A364	2	13-90	2.5YR 5/4	RD BR	SA	brown bottle glass, shells
A364	3	90-95	10YR 6/3	PALE BR	SA	NCM; root impasse at 95 cm
A365	1	0-28	7.5YR 4/3	BR	SA LO	NCM
A365	2	28-95	5YR 5/4	RD BR	SA	NCM
A366	1	0-10	10YR 3/2	V DK BR	SA	green bottle glass, rusted metal, concrete, modern debris
A366	2	10-75	2.5YR 5/4	RD BR	SA	brown bottle glass, modern debris
A366	3	75-85	10YR 6/4	BR	SA	NCM; STP near to parking lot edge, guard rail
Father Capodanno Boulevard Northern Recreational/Parking Lot/Road Areas						
A367	1	0-13	7.5YR 2.5/2	V DK BR	SA LO	NCM
A367	2	13-22	7.5YR 3/2	DK BR	SI LO	NCM
A367	3	22-54	5YR 4/3	RD BR	SA	NCM
A367	4	54-100	7.5YR 4/3	BR	SA	NCM
A368	1	0-21	7.5YR 3/2	DK BR	SI LO	NCM
A368	2	21-90	7.5YR 4/3	BR	SA	NCM
A369	1	0-20	2.5R 4/3	OLIVE BR	SI SA CL LO	NCM
A369	2	20-56	2.5YR 5/4	RD BR	SA	shells
A369	3	56-75	10YR 6/3	PALE BR	SA	shells
A370	1	0-22	7.5YR 3/2	DK BR	SI LO	porcelain
A370	2	22-100	7.5YR 4/4	BR	SA LO	shells and pebbles
A371	1	0-13	7.5YR 2.5/2	V DK BR	SA LO	NCM
A371	2	13-38	7.5YR 3/2	DK BR	SI LO	NCM
A371	3	38-100	7.5YR 4/3	BR	SA	white porcelain sherd

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A372	1	0-21	7.5YR 3/2	DK BR	SI LO	NCM
A372	2	21-70	7.5YR 2.5/3	V DK BR	SA LO	3 ceramic tiles, 1 pipe tile, 2 metal nails, 6 glass fragments at 55 cm; bottle cap, large ceramic object, 3 metal nails, 6 glass fragments, green glass plug at 65 cm
A372	3	70-125	7.5YR 4/3	BR	SA	glass and brick fragments at 85 cm; charcoal lens at 70-73 cm
A372-10ft east	1	0-25	7.5YR 3/2	DK BR	SA CL	NCM
A372-10ft east	2	25-60	7.5YR 2.5/3	V DK BR	SA	glass, nail, brick, roofing material
A372-10ft east	3	60-80	5YR 3/4	DK RD BR	SA	stone
A372-10ft east	4	80-115	7.5YR 4/4	BR	SA	POSITIVE
A372-5ft north	1	0-27	7.5YR 3/2	DK BR	SA CL	NCM
A372-5ft north	2	27-50	7.5YR 2.5/3	V DK BR	SA	4 glass fragments at 43 cm
A372-5ft north	3	50-80	5YR 3/4	DK RD BR	SA	5 glass fragments, 5 ceramic fragments, 3 brick fragments, 2 nails at 61 cm; ceramic, 2 brick fragments at 75 cm
A372-5ft north	4	80-110	7.5YR 4/4	BR	SA	3 glass fragments, 2 brick fragments, 2 nails, 1 ceramic fragment at 65 cm
A373	1	0-82	7.5YR 3/2	DK BR	SA LO	ceramic tile, glass, metal, brick; rock impasse at 82 cm; highly compacted rubble throughout STP
A374	1	0-15	7.5YR 3/1	V DK GR	SI SA LO	modern debris
A374	2	15-35	5YR 5/3	RD BR	SA	NCM
A374	3	35-60	10YR 3/1. 4/2	V DK GR DK GR BR	SA	2 white glass buttons, broken debris at 50 cm
A375	1	0-26	7.5YR 3/2	DK BR	SA LO	NCM
A375	2	26-100	7.5YR 4/4	BR	SA	ceramic with writing at 58 cm; glass at 70 cm
A375-10ft east	1	0-16	7.5YR 3/3	DK BR	SI LO	NCM
A375-10ft east	2	16-50	7.5YR 3/4	BR	SA	fill (concrete and debris)
A375-10ft east	3	50-101	10YR 6/3	PALE BR	SA	nail and fill
A376	1	0-10	7.5YR 2.5/3	V DK BR	SA LO	NCM
A376	2	10-19	7.5YR 3/3	DK BR	SI LO	porcelain sherds, nail, clear and amber glass
A376	3	19-51	7.5YR 4/4	BR	SA	asphalt impasse at 51 cm
A376-5ft east	1	0-9	7.5YR 2.5/2	V DK BR	SA LO	NCM
A376-5ft east	2	9-27	7.5YR 4/3	BR	SA LO	NCM; rock impasse at 27 cm
A376-5ft north	1	0-12	7.5YR 2.5/2	V DK BR	SA LO	NCM
A376-5ft north	2	12-59	7.5YR 4/3	BR	SA LO	NCM; rock impasse at 59 cm
A376-5ft west	1	0-10	7.5YR 2.5/3	V DK BR	SA LO	NCM
A376-5ft west	2	10-34	7.5YR 3/3	DK BR	SA	whiteware, glass
A376-5ft west	3	34-59	7.5YR 4/4	BR	SA	glass, nail

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A376-5ft west	4	59-123	7.5YR 5/3	BR	SA	whiteware, glass, metal fragment
A377	1	0-33	7.5YR 3/3	DK BR	SI LO	NCM
A377	2	33-100	7.5YR 6/4	LT BR	SA	metal, glass
A378	1	0-15	7.5YR 3/3	DK BR	SI LO	NCM
A378	2	15-100	7.5YR 4/3	BR	SA LO	glass at 50 cm; sewer pipe fragments at 70 cm
A379	1	0-10	7.5YR 3/1	V DK GR	SI SA	NCM
A379	2	10-50	2.5YR 5/4	RD BR	SA	nail, burnt substance, clear bottle glass at 16 cm
A379	3	50-55	10YR 3/1, 4/2	V DK GR DK GR BR	SA	asphalt, concrete, debris; fill impasse at 55 cm
A380	1	0-11	7.5YR 2.5/2	V DK BR	SA LO	NCM
A380	2	11-19	7.5YR 3/2	DK BR	SI LO	ceramic at 19 cm
A380	3	19-44	7.5YR 4/4	BR	SA	NCM
A380	4	44-51	7.5YR 3/2	DK BR	SA	asphalt impasse at 51 cm
A381	1	0-25	10YR 4/4	BR	SA SI LO	NCM
A381	2	25-68	2.5YR 5/4	RD BR	SA	clear flat glass
A381	3	68-70	GLEY1 4/	GR	SA SI	gravel and asphalt; rock impasse at 70 cm
A382	1	0-23	7.5YR 3/2	DK BR	SA LO	brick fragment, nail at 12 cm
A382	2	23-100	5YR 3/4	DK RD BR	SA	NCM
A382-10ft west	1	0-18	7.5YR 3/2	DK BR	SI LO	NCM
A382-10ft west	2	18-55	7.5YR 3/4	BR	SA	nail, ceramic, metal fragment at 30 cm; ceramic, nails, glass, brick at 50-55 cm; rock impasse at 55 cm
A383	1	0-19	7.5YR 3/2	DK BR	SI LO	nail, ceramic at 15 cm
A383	2	19-74	7.5YR 4/4	BR	SA LO	nail at 50 cm; asphalt impasse at 74 cm
A384	1	0-25	7.5YR 3/3	DK BR	SI LO	glass
A384	2	25-85	7.5YR 6/4	LT BR	SA	NCM
A385	1	0-10	10YR 4/4	BR	SA SI	NCM
A385	2	10-30	10YR 4/6	BR	SA	asphalt, sewer pipe fragments
A385	3	30-60	2.5YR 5/4	RD BR	SA	POSITIVE
A385	4	60-70	10YR 6/3	PALE BR	SA	NCM
A386	1	0-20	7.5YR 3/2	DK BR	SA LO	ceramic fragment at 15 cm
A386	2	20-80	5YR 3/4	DK RD BR	SA	NCM
A386	3	80-100	7.5YR 2.5/1	BL	SA	NCM
A387	1	0-25	7.5YR 3/3	DK BR	SA LO	glass, ceramic
A387	2	25-85	7.5YR 4/3	BR	SA	NCM
A388	1	0-9	7.5YR 2.5/2	V DK BR	SA LO	NCM
A388	2	9-22	7.5YR 3/2	DK BR	SA	NCM
A388	3	22-100	7.5YR 4/4	BR	SA	NCM
A389	1	0-19	7.5YR 3/4	DK BR	SI LO	NCM
A389	2	19-97	5YR 4/4	RD BR	SA LO	nail, glass, ceramic at 70 cm
A390	1	0-20	7.5YR 3/3	DK BR	SI LO	NCM
A390	2	20-85	5YR 5/4	RD BR	SA	NCM
A391	1	0-19	7.5YR 3/4	DK BR	SI LO	NCM
A391	2	19-100	5YR 4/4	RD BR	SA LO	NCM
A392	1	0-10	10YR 3/1	BL	SI SA	wire nails
A392	2	10-90	2.5YR 5/4	RD BR	SA	asphalt at 25 cm
A393	1	0-10	10YR 4/4	BR	SA SI LO	NCM
A393	2	10-70	2.5YR 5/4	RD BR	SA	coal, cinder, aluminum pull top, whiteware at 20
A393	3	70-80	10YR 6/3	PALE BR	SA	nail, coal, cinder, plastic at 75 cm
A394	1	0-18	7.5YR 3/4	DK BR	SI LO	NCM
A394	2	18-100	5YR 4/4	RD BR	SA LO	nail, glass at 70 cm
A395	1	0-24	7.5YR 3/1	V DK GR	SA LO	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A395	2	24-96	7.5YR 4/5	BR	SA	NCM
A396	1	0-20	7.5YR 3/2	DK BR	SI LO	ceramic
A396	2	20-90	7.5YR 4/3	BR	SA	NCM
A396-4m north	1	0-22	7.5YR 3/2	DK BR	SI LO	NCM
A396-4m north	2	22-84	7.5YR 4/3	BR	SA LO	NCM; pebbles
A396-4m north	3	84-96	7.5YR 4/4	BR	SA LO	shell and pebbles; STP 8 m from road
A397	1	0-24	7.5YR 3/2	DK BR	SI LO	NCM
A397	2	24-100	5YR 4/4	RD BR	SA	NCM
A398	1	0-18	5YR 2.5/2	DK RD BR	SA SI LO	NCM
A398	2	18-60	5YR 4/6	YL RD	SA	shells, whiteware, yellow slipware at 30 cm; burnt wood at 60 cm
A398	3	60-100	10YR 4/6	DK YL BR	SA	shells, concrete, coal at 75 cm
A399	1	0-80	7.5YR 4/3	BR	SI	brick, glass, ceramic at 60 cm
A399-4m north	1	0-12	7.5YR 3/2	DK BR	SI LO	glass
A399-4m north	2	12-91	7.5YR 4/3	BR	SA LO	NCM
A400	1	0-17	7.5YR 3/2	DK BR	SI LO	glass, ceramic
A400	2	17-100	5YR 4/4	RD BR	SA	NCM
A400-10ft east	1	0-16	7.5YR 3/2	DK BR	SI LO	clear glass at 10 cm
A400-10ft east	2	16-121	5YR 4/3	RD BR	SA	NCM
A400-10ft west	1	0-15	7.5YR 3/2	DK BR	SI LO	NCM
A400-10ft west	2	15-102	5YR 4/3	RD BR	SA	pearlware
A401	1	0-20	5YR 2.5/2	DK RD BR	SA SI LO	painted wood, plastic (with 'visa' symbol), brown bottle glass at 15 cm
A401	2	20-70	5YR 4/6	YL RD	SA	coal, brick, burnt wood at 60 cm
A401	3	70-75	10YR 6/3	PALE BR	SA	NCM
A402	1	0-12	7.5YR 3/3	DK BR	SA LO	NCM
A402	2	12-37	7.5YR 4/4	BR	SA LO	NCM
A402	3	37-65	5YR 4/4	RD BR	SA	NCM
A403	1	0-10	7.5YR 3/2	DK BR	SI LO	marble at 5 cm
A403	2	10-90	5YR 3/4	DK RD BR	SA	metal object, chain linked fence fragment at 23 cm; STP next to playground
A404	1	0-14	7.5YR 3/2	DK BR	SI LO	glass at 10 cm
A404	2	14-100	5YR 4/4	RD BR	SA	NCM
A405	1	0-27	7.5YR 3/2	DK BR	SI LO	NCM
A405	2	27-100	7.5YR 4/3	BR	SA SI	glass, ceramic, nail
A406	1	0-5	7.5YR 3/3	DK BR	SA LO	NCM
A406	2	5-47	5YR 4/4	RD BR	SA	NCM; root impasse at 47 cm
A407	1	0-50	7.5YR 3/2	DK BR	SI LO	asphalt, glass at 30-40 cm
A407	2	50-100	5YR 3/3	DK RD BR	SA LO	NCM
A408	1	0-45	7.5YR 3/2	DK BR	SI LO	brick, nail, ceramic, glass at 25-35; rock impasse at 45 cm
A409	1	0-30	10YR 3/1, 3/3		SI SA	brick, ceramic transfer print, blue flat glass, coal, ash at 20 cm; coal ash impasse at 30 cm; recently landscaping and construction around STP
A410	1	0-3	7.5YR 3/3	DK BR	SA LO	NCM
A410	2	3-47	7.5YR 4/4	BR	SA	glass at 47 cm
A410	3	47-100	7.5YR 4/3	BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A411	1	0-24	7.5YR 3/2	DK BR	SI LO	NCM
A411	2	24-90	7.5YR 4/3	BR	SA	NCM
A412	1	0-20	10YR 4/4	BR	SA	NCM
A412	2	20-70	2.5YR 5/4	RD BR	SA	shell, aluminum pull tab at 30 cm
A412	3	70-90	10YR 6/3	PALE BR	SA	shell, coal, nail at 75-85 cm; root impasse at 90 cm
A413	1	0-19	7.5YR 3/2	DK BR	SI LO	NCM
A413	2	19-100	7.5YR 4/3	BR	SA LO	ceramic, metal, glass, asphalt
A414	1	0-18	7.5YR 3/3	DK BR	SA LO	NCM
A414	2	18-68	7.5YR 4/3	BR	SA LO	glass, whiteware; concrete and rock impasse at 68 cm
A414-10ft north	1	0-18	7.5YR 3/3	DK BR	SI LO	ceramic and glass at 15 cm
A414-10ft north	2	18-75	5YR 3/4	DK RD BR	SA	glass, nail at 55 cm; rock impasse at 75 cm
A414-4m south	1	0-20	7.5YR 3/3	DK BR	SI LO	NCM
A414-4m south	2	20-60	5YR 3/4	DK RD BR	SA	slate, nail, glass, slag, shell at 36 cm; rock impasse at 60 cm
A415	1	0-30	7.5YR 3/2	DK BR	SI LO	ceramic, nail, brick fragment at 15 cm
A415	2	30-100	5YR 3/4	DK RD BR	SA	glass, nails, ceramic at 60 cm
A415-4m north	1	0-30	7.5YR 3/2	DK BR	SI LO	tile, nail, glass
A415-4m north	2	30-102	5YR 3/4	DK RD BR	SA	glass, ceramic
A416	1	0-30	7.5YR 3/2	DK BR	SI LO	brick, glass, concrete
A416	2	30-39				layer of concrete debris
A416	3	39-60	7.5YR 4/3	BR	SA LO	concrete; rock and concrete impasse at 65 cm
A416-10ft south	1	0-9	7.5YR 3/2	DK BR	SI LO	NCM
A416-10ft south	2	9-25	10YR 3/2	V DK GR BR	SA LO	NCM
A416-10ft south	3	25-137	5YR 4/4	RD BR	SA	whiteware, glass, rusted metal
A416-4m west	1	0-25	7.5YR 3/2	DK BR	SI LO	glass, nail, ceramic, brick at 20 cm
A416-4m west	2	25-105	5YR 3/4	DK RD BR	SA	NCM; lens of 7.5YR 4/3 BR between 25-30 cm
A416-7.5m east	1	0-32	7.5YR 3/2	DK BR	SI LO	NCM
A416-7.5m east	2	32-88	7.5YR 4/3	BR	SA LO	stoneware, cinder block fragment at 77 cm
A417	1	0-20	10YR 4/4	BR	SA SI	NCM
A417	2	20-65	2.5YR 5/4	RD BR	SA	concrete, clinker
A417	3	65-90	10YR 6/3	PALE BR	SA	clear flat glass, clinkers, coal, ash, slag at 85-90 cm
A417	4	90-95	2.5YR 5/4	RD BR	SA	NCM; 1 m northwest of guard rail, 3 m southeast of parking lot
A417-10ft north	1	0-28	7.5YR 3/1	V DK GR	SI LO	NCM
A417-10ft north	2	28-97	5YR 3/3	DK RD BR	SA LO	glass, ceramic at 75 cm
A418	1	0-16	7.5YR 3/3	DK BR	SA LO	NCM
A418	2	16-94	7.5YR 4/4	BR	SA	whiteware
A418-4m west	1	0-16	10YR 4/4	BR	SA SI LO	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A418-4m west	2	16-91	5YR 4/3	RD BR	SA	whiteware with partial maker's mark at 20 cm; gravel fill at 70 cm
A418-7.5m east	1	0-22	7.5YR 3/2	DK BR	SI LO	glass, metal
A418-7.5m east	2	22-95	5YR 4/3	RD BR	SA	shells and pebbles
A418-7.5m west	1	0-22	7.5YR 3/1	V DK GR	SI LO	NCM
A418-7.5m west	2	22-100	5YR 3/3	DK RD BR	SA LO	glass, ceramic tile; pebbles
A419	1	0-18	7.5YR 3/2	DK BR	SI LO	NCM
A419	2	18-30	7.5YR 4/2	BR	SI LO	NCM
A419	3	30-32	7.5YR 3/2	DK BR	SI LO	NCM
A419	4	32-100	7.5YR 4/3	BR	SI LO	glass at 60 cm; cement lens at 33 cm
A420a	1	0-24	7.5YR 3/3	DK BR	SA LO	NCM
A420a	2	24-110	7.5YR 4/3	BR	SA	NCM
A420b	1	0-21	7.5YR 3/3	DK BR	SA LO	NCM; rock impasse at 21 cm
A421	1	0-10	7.5YR 3/2	DK BR	SI LO	nail, ceramic, glass at 10 cm
A421	2	10-20	7.5YR 4/3	BR	SA	NCM
A421	3	20-40	7.5YR 3/2	DK BR	SI LO	NCM
A421	4	40-100	5YR 3/4	DK RD BR	SA	NCM; STP next to baseball field
A422	1	0-10	10YR 4/6	DK YL BR	SI LO	NCM
A422	2	10-32	10YR 2/2	V DK BR	SI LO	NCM
A422	3	32-40	7.5YR 3/4	DK BR	SI LO	NCM; rock impasse at 40 cm
A423	1	0-24	10YR 4/4	BR	SI SA	modern glass
A423	2	24-28	2.5YR 5/4	RD BR	SA	NCM
A423	3	28-36	GLEY 5/1	BL GR	SA CL	concrete mix
A423	4	36-80	10YR 6/3	PALE BR	SA	cream-colored ware dish rim fragment; flat glass at 40 cm
A424	1	0-21	7.5YR 3/3	DK BR	SA LO	NCM
A424	2	21-71	5YR 4/4	RD BR	SA	NCM
A425	1	0-24	10YR 2/2	V DK BR	SI LO	NCM
A425	2	24-100	7.5YR 4/4	BR	SA LO	shells and pebbles
A426	1	0-20	7.5YR 3/3	DK BR	SA LO	NCM
A426	2	20-30	7.5YR 4/6	STRONG BR	SI LO	ceramic, metal, whole brick, brick fragment at 25 cm
A426	3	30-40	7.5YR 3/3	DK BR	SA LO	glass, brick fragment, grout at 35 cm
A426	4	40-85	5YR 3/4	DK RD BR	SA	NCM
A426-10ft east	1	0-25	7.5YR 3/2	DK BR	SI LO	glass at 15 cm
A426-10ft east	2	25-100	5YR 3/4	DK RD BR	SA	ceramic, glass at 28 cm
A426-10ft west	1	0-20	7.5YR 3/2	DK BR	SI LO	NCM
A426-10ft west	2	20-30	7.5YR 4/6	STRONG BR	SI CL	glass, brick at 25 cm
A426-10ft west	3	30-100	5YR 3/4	DK RD BR	SA	NCM
A426-4m west	1	0-15	7.5YR 3/2	DK BR	SI LO	NCM
A426-4m west	2	15-40	7.5YR 4/6	STRONG BR	SI CL	whole brick, building material, glass at 25 cm
A426-4m west	3	40-100	5YR 3/4	DK RD BR	SA	NCM
A426-7.5m south	1	0-25	7.5YR 3/3	DK BR	SI LO	ceramic

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A426-7.5m south	2	28-45	7.5YR 4/6	STRONG BR	SI LO	glass, metal spike; rock impasse at 45 cm
A427	1	0-28	10YR 3/1	BL	SI SA	NCM; pebbles
A427	2	28-30	2.5YR 5/4	RD BR	SA	fill; rock impasse at 30 cm
A428	1	0-27	7.5YR 3/1	V DK GR	SI LO	NCM
A428	2	27-35	7.5YR 3/1, 4/3	V DK GR, BR	SA SI	NCM; rock impasse at 35 cm; STP in baseball diamond
A430	1	0-25	10YR 3/2	V DK BR	SI LO	NCM
A430	2	25-26	GLEY2 5/1	BL GR	LO	NCM; impasse at 26 cm due to hard packed soil; 4 m south of asphalt walkway
A431	1	0-27	7.5YR 3/3	DK BR	SA LO	NCM
A431	2	27-79	7.5YR 4/3	BR	SA	rusted nails
A432	1	0-15	7.5YR 3/2	DK BR	SI LO	glass
A432	2	15-45	5YR 4/3	RD BR	SA	NCM
A432	3	45-85	7.5YR 4/1	DK GR	SA SI	NCM
A433	1	0-30	10YR 2/2	V DK BR	SI LO	NCM
A433	2	30-100	7.5YR 4/4	BR	SI LO	metal, glass at 70-100 cm
A434	1	0-40	10YR 3/2	DK GR BR	SA SI	concrete and rock impasse at 40 cm
A435	1	0-24	10YR 3/2	V DK GR BR	SA SI LO	NCM
A435	2	24-27	2.5YR 5/4	RD BR	SA	NCM
A435	3	27-30	GLEY2 5/1	BL GR	LO	impasse at 30 due to hard packed soil (possibly cement for drainage)
A436	1	0-25	10YR 3/2	BR	SI SA	NCM
A436	2	25-78	2.5YR 5/4	RD BR	SA	NCM
A436	3	78-80	GLEY2 5/1	BL GR	LO	NCM; hard packed
A436	4	80-88	10YR 6/3	PALE BR	SA	shells
A437	1	0-24	7.5YR 3/3	DK BR	SA LO	NCM
A437	2	24-79	5YR 4/4	RD BR	SA	NCM
A438	1	0-20	7.5YR 2/2	V DK BR	SI LO	NCM
A438	2	20-90	7.5YR 4/4	BR	SA LO	shells and pebbles
A439	1	0-25	7.5YR 3/2	DK BR	SI LO	NCM
A439	2	25-85	5YR 4/4	RD BR	SA	glass, ceramic
A440	1	0-17	7.5YR 3/3	DK BR	SA LO	NCM
A440	2	17-76	5YR 4/4	RD BR	SA	whiteware fragments
A441	1	0-75	7.5YR 3/4	DK BR	SI LO	NCM
A444						not excavated due to 'no permission'; 2 m from utility pole
A448	1	0-28	7.5YR 3/2	DK BR	SI LO	NCM
A448	2	28-88	7.5YR 3/3	DK BR	SA LO	glass, bone, nail
A452						not excavated due to location on street corner
A453						not excavated due to location on street
Father Capodanno Boulevard and Sea View Avenue						
A462	1	0-90	7.5YR 4/6	STRONG BR	SA	NCM
A463	1	0-15	7.5YR 3/2	DK BR	SI LO	NCM
A463	2	15-60	7.5YR 4/4	BR	SA	NCM
A463	3	60-75	7.5 YR 5/1	GR	SA	NCM
A463	4	75-92	7.5YR 4/4	BR	SA	NCM
A464	1	0-20	7.5YR 4/4	BR	SI LO	NCM
A464	2	20-79	5YR 4/4	RD BR	SA LO	NCM
A464	3	79-83	7.5 YR 5/1	GR	SA LO	NCM
A464	4	83-100	5YR 4/4	RD BR	SA LO	NCM
A465	1	0-9	7.5YR 3/2	DK BR	SA LO	NCM
A465	2	9-55	7.5YR 4/4	BR	SA	glass
A465	3	55-89	7.5YR 5/4	BR	SA	NCM
A466	1	0-8	10YR 5/3	BR	SI SA	POSITIVE
A466	2	8-78	5YR 4/4	RD BR	SA	plastic pill bottle top at 25 cm
A466	3	78-90	5YR 4/1	DK GR	SA	asphalt at 78 cm

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A466	4	90-100	5YR 4/4	RD BR	SA	NCM
A467	1	0-80	7.5YR 4/6	STRONG BR	SA	NCM
A467	2	80-100	5YR 4/1	GR BR	SA	glass at 80 cm
A468	1	0-12	7.5YR 4/2	BR	SA	NCM
A468	2	12-94	7.5YR 4/4	BR	SA	glass at 65 cm
A469	1	0-24	7.5YR 4/4	BR	SA	NCM
A469	2	24-78	5YR 4/4	RD BR	SA	NCM
A469	3	78-80	7.5 YR 5/1	GR	SA LO	NCM; rock impasse at 80 cm
A470	1	0-9	7.5YR 3/2	DK BR	SA LO	NCM
A470	2	9-64	5YR 4/4	RD BR	SA	NCM
A470	3	64-89	7.5YR 5/4	BR	SA	NCM
A471	1	0-8	10YR 5/3	BR	SI SA	NCM
A471	2	8-76	5YR 4/4	RD BR	SA	green and brown bottle glass at 25 cm
A471	3	76-82	5YR 4/1	DK GR	SA	asphalt
A471	4	82-95	10YR 6/3	PALE BR	SA	NCM
A471-4m east	1	0-10	7.5YR 3/2	DK BR	SA LO	NCM
A471-4m east	2	10-98	7.5YR 4/3	BR	SA	glass at 65 cm
A471-4m south	1	0-10	7.5YR 3/3	DK BR	SI LO	glass at 10 cm
A471-4m south	2	10-50	5YR 4/4	RD BR	SA	NCM
A471-4m south	3	50-100	7.5YR 3/2	DK BR	SA	brick at 75 cm
A471-4m west	1	0-7	7.5YR 3/2	DK BR	SA LO	NCM
A471-4m west	2	7-100	5YR 4/4	RD BR	SA	NCM
A472	1	0-100	7.5YR 4/6	STRONG BR	SA	glass at 80 cm; gray lens at 55 cm
A472-4m east	1	0-10	7.5YR 3/3	DK BR	SA	NCM
A472-4m east	2	10-100	7.5YR 4/4	BR	SA	NCM
A472-4m south	1	0-5	7.5YR 3/3	DK BR	SA	NCM
A472-4m south	2	5-100	7.5YR 4/4	BR	SA	glass at 45 cm
A472-4m west	1	0-8	7.5YR 3/2	DK BR	SI LO	modern debris (not collected)
A472-4m west	2	8-44	5YR 4/4	RD BR	SA	NCM
A472-4m west	3	44-100	7.5YR 5/4	BR	SA	NCM
A473	1	0-12	7.5YR 4/2	BR	SI LO	NCM
A473	2	12-101	7.5YR 4/4	BR	SA	NCM
A474	1	0-7	7.5YR 3/2	DK BR	SA LO	NCM
A474	2	7-83	5YR 4/4	RD BR	SA	glass
A474	3	83-96	7.5YR 5/4	BR	SA	NCM
A475	1	0-13	7.5YR 4/4	BR	SI LO	NCM
A475	2	13-80	5YR 4/4	RD BR	SA LO	NCM
A475	3	80-100	7.5YR 5/4	BR	SA	NCM
A476	1	0-15	7.5YR 4/6	STRONG BR	SA	NCM
A476	2	15-30	5YR 4/4	RD BR	SA	NCM
A476	3	30-45	7.5YR 5/4	BR	SA	NCM
A476	4	45-100	7.5YR 3/4	DK BR	SA	nail, glass at 70 cm
A477	1	0-87	7.5YR 4/3	BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A478	1	0-10	10YR 4/4	BR	SA SI	NCM
A478	2	10-65	10YR 3/2	DK BR	SA SI	asphalt, ash
A478	3	65-66	5YR 4/4	RD BR	SA	NCM; rock impasse at 65 cm
A478-4m east	1	0-13	7.5YR 3/3	DK BR	SI LO	NCM
A478-4m east	2	13-20	5YR 4/4	RD BR	CL LO	NCM
A478-4m east	3	20-83	7.5YR 2.5/3	V DK BR	SA LO	glass at 80 cm
A478-4m east	4	83-100	7.5YR 5/4	BR	SA	NCM
A478-4m north	1	0-20	5YR 4/3	RD BR	SA	NCM; rock impasse at 20 cm
A478-4m west	1	0-21	7.5YR 3/2	DK BR	SI LO	glass
A478-4m west	2	21-86	5YR 4/3	RD BR	SA	NCM
A479	1	0-20	7.5YR 3/2	DK BR	SA LO	brick at 15 cm
A479	2	20-100	5YR 4/4	RD BR	SA	nail at 55 cm
A479-4m east	1	0-25	7.5YR 3/3	DK BR	SI LO	NCM
A479-4m east	2	25-96	5YR 4/4	RD BR	SA LO	glass at 80-90 cm
A479-4m south	1	0-14	10YR 4/3	BR	SI LO	NCM
A479-4m south	2	14-98	7.5YR 4/4	BR	SA SI	NCM
A479-4m west	1	0-20	10YR 4/4	BR	SI SA	NCM
A479-4m west	2	20-80	5YR 4/4	RD BR	SI SA	sewer pipe fragment at 50 cm
A479-4m west	3	80-90	10YR 6/3	PALE BR	SI SA	NCM
A480	1	0-12	7.5YR 3/2	DK BR	SI LO	NCM
A480	2	12-49	5YR 3/3	DK RD BR	SA	NCM
A480	3	49-90	5YR 4/3	RD BR	SA	NCM
A481	1	0-30	7.5YR 3/2	DK BR	SI LO	brown bottle glass (not collected)
A481	2	30-53	5YR 3/3	DK RD BR	SA LO	NCM
A481	3	53-100	7.5YR 5/4	BR	SA	NCM
A482	1	0-16	7.5YR 3/2	DK BR	SI LO	glass
A482	2	16-85	7.5YR 4/2	BR	SA	glass at 60 cm
A483	1	0-20	7.5YR 3/2	DK BR	SI LO	spike, glass at 4 cm
A483	2	20-100	5YR 4/4	RD BR	SA	nail at 40 cm
A484	1	0-18	7.5YR 3/2	DK BR	SI LO	NCM
A484	2	18-57	5YR 3/3	DK RD BR	SA LO	NCM
A484	3	57-100	7.5YR 5/4	BR	SA	NCM
A485	1	0-16	5YR 2.5/1	BL	SA LO	NCM
A485	2	16-50	5YR 4/4	RD BR	SA	NCM
A485	3	50-79	5YR 5/4	RD BR	SA	NCM
A486	1	0-20	7.5YR 3/2	DK BR	SI SA	NCM
A486	2	20-100	5YR 4/4	RD BR	SA	ceramic at 30 cm
A487	1	0-10	5YR 3/1	DK RD BR	SI SA	NCM
A487	2	10-80	5YR 4/4	RD BR	SA	cinder, ash, concrete at 20 cm
A487	3	80-90	10YR 6/3	PALE BR	SA	cinder, coal, slag at 90 cm
A488	1	0-17	7.5YR 3/2	DK BR	SI LO	NCM
A488	2	17-91	7.5YR 4/3	BR	SA	NCM
A489	1	0-15	7.5YR 3/2	DK BR	SI LO	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
A489	2	15-29	7.5YR 4/3	BR	SA	NCM
A490	1	0-12	10YR 4/3	BR	SI LO	NCM
A490	2	12-97	7.5YR 4/4	BR	SI SA	NCM
A491	1	0-5	10YR 2/1	BL	SA LO	NCM
A491	2	5-100	7.5YR 4/4	BR	SA	NCM
A492	1	0-10	5YR 2.5/1	BL	SA LO	NCM
A492	2	10-100	5YR 4/3	RD BR	SA	NCM
A493	1	0-12	7.5YR 3/2	DK BR	SI LO	NCM
A493	2	12-88	7.5YR 4/2	BR	SA	NCM
A494	1	0-10	10YR 2/1	BL	SA LO	NCM
A494	2	10-100	7.5YR 4/4	BR	SA	NCM
A494-4m north	1	0-8	10YR 3/2	DK GR BR	SI SA	NCM
A494-4m north	2	8-75	5YR 4/4	RD BR	SA	slag, coal
A494-4m north	3	75-100	10YR 6/3	PALE BR	SA	slag
A494-4m south						not excavated due to utility pole
A495	1	0-17	7.5YR 3/2	DK BR	SI LO	NCM
A495	2	17-93	7.5YR 4/3	BR	SA LO	glass at 42 cm
A496	1	0-12	10YR 4/3	BR	SI LO	NCM
A496	2	12-98	7.5YR 4/4	BR	SA SI	NCM
A497	1	0-13	7.5YR 3/2	DK BR	SI LO	NCM
A497	2	13-89	7.5YR 4/3	BR	SA	NCM
A498	1	0-10	5YR 2.5/1	BL	SA LO	NCM
A498	2	10-80	5YR 4/3	RD BR	SA	NCM; 7.5-m interval
A499	1	0-10	10YR 4/4	BR	SA	modern debris (not collected); rock impasse at 10 cm
A500	1	0-15	10YR 2/1	BL	SI LO	NCM
A500	2	15-40	7.5YR 4/4	BR	SA SI	NCM
A500	3	40-100	5YR 4/4	RD BR	CL	ceramic floor tile, glass, brick
A500-4m east	1	0-10	10YR 2/1	BL	SI LO	brick
A500-4m east	2	10-45	7.5YR 4/4	BR	SA SI	NCM
A500-4m east	3	45-60	5YR 4/4	RD BR	CL	glass, brick, nail
A500-4m east	4	60-85	7.5YR 4/4	BR	SA SI	NCM
A500-4m north	1	0-9	5YR 2.5/1	BL	SI LO	NCM
A500-4m north	2	9-34	5YR 4/3	RD BR	SA CL	NCM
A500-4m north	3	34-84	5YR 4/4	RD BR	SA CL	whiteware, coal, ash cinder
Study Area B						
Miller Field						
D1	1	0-100	7.5YR 5/4	BR	SA	modern surface debris
D2	1	0-100	7.5YR 5/4	BR	SA	modern surface debris
D3	1	0-100	7.5YR 4/6	STRONG BR	SA	modern debris (not collected)
D4	1	0-100	7.5YR 4/4	BR	SA	NCM
D5	1	0-95	7.5YR 4/4	BR	SA	plastic (not collected) at 45 cm
D6	1	0-90	10YR 5/6	YL BR	SA	glass, nail at 20 cm; asphalt shingle fragments, building material at 40 cm
D6	2	90-120	10YR 7/3	V PALE BR	SA	POSITIVE
D7	1	0-100	7.5YR 5/4	BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
D8	1	0-101	7.5YR 4/3	BR	SA	nail, building material at 55 cm
D9	1	0-100	7.5YR 4/6	STRONG BR	SA	modern debris (not collected)
D10	1	0-20	10YR 5/4	YL BR	SI SA	NCM
D10	2	20-115	10YR 6/3	PALE BR	SA	NCM
D11	1	0-100	7.5YR 4/4	BR	SA	NCM
D12	1	0-18	7.5YR 4/3	BR	SA LO	modern surface debris (not collected)
D12	2	18-71	7.5YR 4/4	BR	SA	NCM
D13	1	0-100	7.5YR 4/3	BR	SA	nails, glass at 10 cm
D14	1	0-102	7.5YR 4/3	BR	SA	glass, metal, plastic at 80 cm
D15	1	0-5	10YR 3/2	DK GR BR	SI SA	POSITIVE
D15	2	5-66	10YR 5/4	YL BR	SA	flat glass, vial top, plastic, metal, slag, burnt wood, Styrofoam at 20-60 cm
D15	3	66-70	10YR 3/2	DK GR BR	SI SA	rusted nail, clear bottle glass, flat glass, burnt wood at 66-75 cm
D15	4	70-109	10YR 6/3	PALE BR	SA	see stratum 3 for artifacts; STP located among demolished military structures
D16	1	0-100	7.5YR 4/4	BR	SA	brick, nails on surface; glass, metal at 75 cm
D17	1	0-100	7.5YR 4/3	BR	SA	NCM
D18	1	0-103	7.5YR 4/3	BR	SA	roofing material, plastic
D19	1	0-100	7.5YR 5/4	BR	SA	glass
D22	1	0-70	7.5YR 4/4	BR	SA	35 nails at 50-60 cm
D22	2	70-100	7.5YR 4/6	STRONG BR	SA	NCM
D23	1	0-95	10YR 5/6	YL BR	SA	ash, burnt wood at 85 cm; burnt debris impasse at 95 cm; STP on slope of bulldozed structure
D24	1	0-99	7.5YR 4/3	BR	SA	metal, charred wood; lens of charred wood at 45 cm (sample collected)
D25	1	0-100	7.5YR 4/3	BR	SA	NCM
D26	1	0-100	7.5YR 5/4	BR	SA	modern debris (not collected)
D27	1	0-1	10YR 4/4	DK YL BR	SA	NCM
D27	2	1-55	5YR 4/4	RD BR	SA	aluminum pull tab, plastic at 25 cm
D27	3	55-95	10YR 6/3	PALE BR	SA	whiteware, siding shingle fragment, burnt wood, iron at 50 cm
D28	1	0-100	7.5YR 4/3	BR	SA	asphalt fragments at 50-60 cm; glass at 70 cm
D29	1	0-6	7.5YR 3/2	DK BR	SA LO	modern debris (not collected); buried asphalt surface impasse at 6 cm
D30	1	0-100	7.5YR 4/3	BR	SA	glass at 70 cm
D31	1	0-120	7.5YR 4/3	BR	SA	metal, glass, ceramic; layer of metal at 100 cm
D32	1	0-100	7.5YR 5/4	BR	SA	glass at 67 cm
D33	1	0-100	7.5YR 4/3	BR	SA	NCM
D34	1	0-110	7.5YR 5/4	BR	SA	NCM
D35	1	0-100	7.5YR 4/3	BR	SA	metal at 65 cm
D36	1	0-47	5YR 4/3	RD BR	SA	charred wood; charred wood impasse at 47 cm
D37	1	0-25	2.5YR 6/2	LT BR GR	SA SI	NCM; rock impasse at 25 cm
D38	1	0-41	2.5Y 6/3	LT YL BR	SA	NCM
D38	2	41-61	5YR 4/4	RD BR	SA	glass at 61 cm
D39	1	0-10	10YR 2/1	BL	SA	NCM
D39	2	10-100	2.5Y 5/3	LT OLIVE BR	SA	NCM
D40	1	0-40	7.5YR 3/1	V DK GR	SA LO	glass
D40	2	40-65	5YR 4/3	RD BR	SA	NCM; rock impasse at 65 cm
D41	1	0-100	7.5YR 4/3	BR	SA	NCM
D42	1	0-8	10YR 6/3	PALE BR	SA	NCM
D42	2	8-20	10YR 5/6	YL BR	CL	NCM; rock and clay impasse at 20 cm
D43	1	0-25	10YR 3/3	DK BR	CL	NCM
D43	2	25-60	10YR 4/6	DK YL BR	CL	brick at 27 cm
Miller Field WWII Fire Control Tower						
D20	1	0-107	7.5YR 4/3	BR	SA	glass, metal at 80 cm

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
D20-15m north	1	0-10	7.5YR 2.5/2	DK BR	SI LO	NCM
D20-15m north	2	10-60	7.5YR 3/4	DK BR	SI LO	NCM
D20-15m north	3	60-90	7.5YR 6/1	GR	CL	NCM
D20-15m north	4	90-100	7.5YR 3/4	DK BR	SI LO	NCM
D20-7.5m east	1	0-100	7.5YR 4/3	BR	SA	metal at 60 cm
D20-7.5m east, 15m north	1	0-100	7.5YR 5/4	BR	SA	NCM
D20-7.5m north, 7.5m east	1	0-90	7.5YR 4/6	STRONG BR	SA	nail at 15 cm
D20-7.5m north, 7.5m west	1	0-20	7.5YR 6/4	LT BR	SA LO	NCM
D20-7.5m north, 7.5m west	2	20-102	7.5YR 4/4	BR	SA	metal; STP .5 m from possible bomb shelter
D20-7.5m west	1	0-2	10YR 4/4	BR	SI SA	NCM
D20-7.5m west	2	2-45	10YR 5/4	YL BR	SA	asphalt starting at 20 cm
D20-7.5m west	3	45-47	10YR 3/2	DK GR BR	SI SA	siding fragment, nails glass at 45 cm
D20-7.5m west	4	47-100	7.5YR 4/6	STRONG BR	SA	burnt wood, metal; STP near former control tower at Miller Field
New Dorp Beach and Structures						
New Dorp Beach Structure 1A						
ST 1A-1	1	0-22	7.5YR 4/3	BR	SA	ceramic, glass; 1 m from concrete structure; concrete impasse at 22 cm
ST 1A-2	1	0-48	7.5YR 4/3	BR	SA	cement impasse at 48 cm; 5 m interval
ST 1A-3	1	0-40	10YR 5/3	BR	SA	coal, gravel; concrete impasse at 40 cm
ST 1A-5a	1	0-40	7.5YR 4/3	BR	SA	cement impasse at 40 cm
ST 1A-5b	1	0-26	7.5YR 4/3	BR	SA	glass; cement impasse at 26 cm; 5 m interval
ST 1A-6	1	0-28	7.5YR 5/4	BR	SA	NCM; rock impasse at 38 cm
ST 1A-7	1	0-37	7.5YR 5/4	BR	SA	brick, glass; dark lens at 22 cm; rock impasse at 37 cm
ST 1A-8	1	0-54	7.5YR 4/3	BR	SA	cement impasse at 54 cm; 5 m interval
ST 1A- 9	1	0-56	7.5YR 4/3	BR	SA	cement impasse at 56 cm; 5 m interval
ST 1A-10	1	0-44	7.5YR 5/4	BR	SA	NCM; rock impasse at 44 cm
ST 1A-11	1	0-80	7.5YR 4/3	BR	SA	glass, building material
ST 1A-12	1	0-55	7.5YR 4/3	BR	SA	cement impasse at 55 cm; 5 m interval
ST 1A-13	1	0-23	10YR 6/4	LT YL BR	SA	glass at 20 cm; rock impasse at 23 cm
ST 1A-14	1	0-30	7.5YR 4/6	STRONG BR	SA	concrete impasse at 30 cm; 2 m interval
ST 1A-15	1	0-90	7.5YR 4/3	BR	SA	glass at 40 cm; 5 m interval
ST 1A-16a	1	0-100	7.5YR 4/3	BR	SA	NCM; 7.5 m interval
ST 1A-16b	1	0-89	7.5YR 4/3	BR	SA	glass at 89 cm; 5 m interval
ST 1A-17	1	0-30	7.5YR 4/6	STRONG BR	SA	brick on surface; concrete impasse at 30 cm; 2 m interval
ST 1A-18	1	0-56	10YR 7/3	V PALE BR	SA	bottle glass; concrete fill impasse at 56 cm; 2 m from water
ST 1A-19	1	0-100	10YR 6/4	LT YL BR	SA	glass
ST 1A-20	1	0-30	7.5YR 4/4	BR	SA	NCM; 2 m interval

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
ST 1A-21	1	0-100	7.5YR 4/3	BR	SA	NCM; 5 m interval
ST 1A-22	1	0-45	7.5YR 4/4	BR	SA	concrete impasse at 45 cm; 2 m interval
ST 1A-23	1	0-73	7.5YR 4/3	BR	SA	building material; concrete impasse at 73 cm
ST 1A-24	1	0-70	10YR 6/4	LT YL BR	SA	slag at 30 cm; concrete impasse at 70 cm
ST 1A-25	1	0-40	7.5YR 4/4	BR	SA	NCM; 2 m interval
ST 1A-26	1	0-33	7.5YR 4/3	BR	SA	cement impasse at 33 cm; 5 m interval
ST 1A-27a	1	0-24	7.5YR 5/4	BR	SA	modern debris and fill; wood impasse at 24 cm; 4 m interval
ST 1A-27b	1	0-32	7.5YR 4/3	BR	SA	brick at 20 cm; 5-m interval
ST 1A-28	1	0-25	7.5 YR 4/4	BR	SA	NCM; 2-m interval
ST 1A-29	1	0-35	10YR 6/4	LT YL BR	SA	concrete; concrete impasse at 35 cm
ST 1A-30	1	0-29	7.5YR 5/4	BR	SA	modern debris, paper, glass, plastic; rock impasse at 29 cm; 4 m interval
ST 1A-31	1	0-27	7.5YR 5/4	BR	SA	brick, modern debris; rock impasse at 27 cm; 4 m interval
ST 1A-32	1	0-70	7.5YR 4/4	BR	SA	brick at 25 cm; concrete impasse at 70 cm; 2 m interval
ST 1A-33	1	0-100	7.5YR 4/3	BR	SA	NCM; 5-m interval
ST 1A-34	1	0-44	7.5YR 4/3	BR	SA	glass at 30-40 cm; cement impasse at 44 cm; 5 m interval
ST 1A-35	1	0-30	7.5YR 4/3	BR	SA	plastic; rock impasse at 30 cm; 4 m interval
ST 1A-36	1	0-51	7.5YR 5/4	BR	SA	brick, modern debris and fill; rock impasse at 51 cm; 4 m interval
ST 1A-37	1	0-67	7.5YR 4/3	BR	SA	building material, glass; concrete impasse at 67 cm; 4 m interval
ST 1A-38	1	0-65	7.5YR 4/4	BR	SA	brick, metal at 30 cm; wooden plank impasse at 65 cm; 2 m interval
ST 1A-39	1	0-39	7.5YR 5/4	BR	SA	brick, mortar, glass; wooden plank impasse at 39 cm; 4 m interval
ST 1A-40	1	0-35	10YR 6/6	BR YL	SA	glass; rock impasse at 35 cm
ST 1A-41	1	0-38	10YR 5/4	YL BR	SA	glass, modern debris at 28 cm; concrete impasse at 38 cm
ST 1A-42	1	0-32	7.5YR 4/4	BR	SA	concrete impasse at 32 cm; 2 m interval
ST 1A-45	1	0-18	7.5YR 4/3	BR	SA	burnt material at 10 cm; concrete impasse at 18 cm; 5 m interval
ST 1A-46	1	0-33	7.5YR 5/4	BR	SA	glass, wood, plastic; rock impasse at 33 cm; 4 m interval
ST 1A-47	1	0-32	7.5YR 4/3	BR	SA	metal, nails, glass, charcoal; 5 m interval
ST 1A-48	1	0-28	5YR 4/4	RD BR	SA	brick fragments; rock impasse at 25 cm
New Dorp Beach Structure 2A						
ST 2A-1	1	0-70	5YR 4/4	RD BR	SA	NCM; rock impasse at 70 cm
ST 2A-2	1	0-70	7.5YR 4/4	BR	SA	concrete impasse at 70 cm
ST 2A-3	1	0-37	7.5YR 4/2	BR	SA	glass, plastic; wooden plank impasse at 37 cm
ST 2A-4a	1	0-31	7.5YR 5/4	BR	SA	plastic; rock impasse at 31 cm
ST 2A-4b	1	0-35	10YR 5/4	YL BR	SA	plastic bottle cap; concrete debris impasse
ST 2A-5	1	0-78	7.5YR 4/3	BR	SA	glass, building material; 7.5 m interval
ST 2A-6	1	0-20	5YR 4/4	RD BR	SA	surface debris; rock impasse at 20 cm
ST 2A-7	1	0-63	7.5YR 5/4	BR	SA	nails, glass
ST 2A-7	2	63-100	7.5YR 4/4	BR	SA	NCM; 4-m interval
ST 2A-8	1	0-100	7.5YR 4/3	BR	SA	glass at 40-90 cm; 7.5 m interval
ST 2A-9	1	0-65	10YR 5/4	YL BR	SA	concrete at 65 cm
ST 2A-9	2	65-80	10YR 4/4	DK YL BR	SA	rusted tin plate, charcoal, roof slate
ST 2A-10	1	0-70	7.5YR 4/3	BR	SA	metal, ceramic, glass; concrete impasse at 70 cm; 7.5 m interval
ST 2A-11	1	0-50	7.5YR 4/4	BR	SA	NCM; 7.5 m interval
ST 2A-12	1	0-49	7.5YR 5/4	BR	SA	NCM; rock impasse at 49 cm; 7.5 m interval
ST 2A-13	1	0-55	7.5YR 4/4	BR	SA	concrete impasse at 55 cm; 7.5 m interval

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
ST 2A-14	1	0-100	7.5YR 4/4	BR	SA	NCM; 7.5 m interval
ST 2A-15	1	0-100	7.5YR 4/4	BR	SA	metal, nails at 55 cm; 7.5 m interval
ST 2A-16	1	0-100	5YR 4/4	RD BR	SA	NCM
ST 2A-18						not excavated due to location in jetty
ST 2A-19	1	0-83	7.5YR 4/3	BR	SA	glass; water seepage at 83 cm; 7.5 m interval
ST 2A-20	1	0-30	7.5YR 4/4	BR	SA	modern debris, brick, concrete at 10 cm; concrete impasse at 30 cm; 7.5 m interval
ST 2A-21	1	0-40	7.5YR 4/3	BR	SA	glass; concrete impasse at 40 cm; 7.5 m interval
ST 2A-22	1	0-41	7.5YR 4/2	BR	SA	glass, ceramic; wooden plank impasse at 41 cm; 7.5 m interval
ST 2A-23	1	0-20	7.5YR 4/4	BR	SA	ceramic, glass; rock impasse at 20 cm; 7.5 m interval
New Dorp Beach Structure 3A						
ST 3A-1	1	0-32	7.5YR 4/3	BR	SA	NCM
ST 3A-1	2	32-100	7.5YR 3/1	V DK GR	SA LO	pipe stem at 73 cm; 7.5 m interval
ST 3A-2	1	0-30	7.5YR 5/4	BR	SA	modern debris
ST 3A-2	2	30-44	7.5YR 3/1	V DK GR	SA CL	medical vial at 44 cm
ST 3A-2	3	44-110	7.5YR 5/4	BR	SA	foam; 4 m interval
ST 3A-3	1	0-37	7.5YR 4/3	BR	SA	NCM
ST 3A-3	2	37-100	7.5YR 4/3, 3/1	BR, V DK GR	SA CL	plank impasse at 100 cm; 7.5 m interval
ST 3A-4	1	0-50	7.5YR 4/4	BR	SA	metal object at 40 cm
ST 3A-4	2	50-60	7.5YR 3/2	DK BR	CL	NCM
ST 3A-4	3	60-100	7.5YR 4/4	BR	SA	NCM; 7.5 m interval
ST 3A-5	1	0-60	7.5YR 4/3	BR	SA	NCM; rock impasse at 60 cm; 2 m interval
ST 3A-6	1	0-30	7.5YR 4/3	BR	SA	wood; concrete impasse at 30 cm; 7.5 m interval
ST 3A-8	1	0-80	7.5YR 4/4	BR	SA	NCM; water seepage at 80 cm; 7.5 m interval

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
New Dorp Beach Structure 4A						
ST 4A-1	1	0-100	7.5YR 5/4	BR	SA	glass, burnt wood; 4 m interval
ST 4A-2	1	0-19	7.5YR 4/3	BR	SA	cement impasse at 19 cm; 4 m interval
ST 4A-3a	1	0-100	7.5YR 4/4	BR	SA	NCM; 7.5 m interval
ST 4A-3b	1	0-103	7.5YR 4/3	BR	SA	NCM; 4m interval
ST 4A-4	1	0-25	10YR 6/4	LT YL BR	SA	slag, ash at 20 cm
ST 4A-4	2	25-45	10YR 5/4	Y BR	SA	charcoal, slate, bone at 38 cm
ST 4A-4	3	45-50	10YR 5/1	GR	CL	NCM; clay impasse at 50 cm
ST 4A-5	1	0-30	7.5YR 4/4	BR	SA	concrete impasse at 30 cm
ST 4A-6	1	0-81	7.5YR 4/3	BR	SA	plastic; water seepage at 81 cm; 4 m interval
ST 4A-7	1	0-100	7.5YR 4/4	BR	SA	brown bottle glass at 0-20 cm; 7.5 m interval
ST 4A-9	1	0-100	7.5YR 4/3	BR	SA	glass at 54 cm; 4 m interval
ST 4A-10	1	0-100	7.5YR 4/3	BR	SA	NCM; 4 m interval
New Dorp Beach Structure 5A						
ST 5A-1	1	0-15	10YR 5/4	YL BR	SA	modern debris
ST 5A-1	2	15-26	10YR 4/4	DK YL BR	SA	modern debris
ST 5A-1	3	26-40	10YR 6/4	LT YL BR	CL	NCM; clay bank impasse at 40 cm
ST 5A-2	1	0-30	7.5YR 5/4	BR	SA	glass
ST 5A-2	2	30-60	7.5YR 4/4	BR	SI CL	NCM; rock impasse at 60 cm; 7.5 m interval
ST 5A-3	1	0-20	7.5YR 5/4	BR	SA	NCM
ST 5A-3	2	20-100	7.5YR 4/4	BR	SI CL	NCM; 7.5 m interval
ST 5A-4	1	0-85	7.5YR 4/3	BR	SA	glass; rock impasse at 85 cm; 7.5 m interval
ST 5A-5	1	0-23	7.5YR 4/3	BR	SA	NCM; 4 m interval
ST 5A-6	1	0-10	10YR 5/2	GR BR	SA	concrete debris; rock impasse at 15 cm
ST 5A-7a	1	0-35	10YR 5/4	YL BR	SA	paper lumps, cotton swab fragment, cigarette filter
ST 5A-7a	2	35-60	10YR 3/1	BL	CL SI	cigarette filter; impasse at 60 cm due to possible septic seepage; wood retaining wall north of STP
ST 5A-7b	1	0-41	7.5YR 4/3	BR	SA	NCM; rock impasse at 41 cm; 4 m interval
ST 5A-7c	1	0-47	7.5YR 5/4	BR	SA	ceramic fragment at 47 cm
ST 5A-7c	2	47-100	5YR 4/4	RD BR	SA CL	NCM; water seepage at 100 cm; 7.5 m interval
ST 5A-8	1	0-4	10YR 5/2	GR BR	SA	NCM
ST 5A-8	2	4-10	10YR 6/2	LT GR BR	SA	NCM
ST 5A-8	3	10-35	10YR 5/2	GR BR	SA	angular rock at 30 cm
ST 5A-8	4	35-40	5YR 5/4	RD BR	SA	NCM; clay bank impasse at 40 cm
ST 5A-10	1	0-30	7.5YR 4/2	BR	SA	NCM
ST 5A-10	2	30-71	7.5YR 4/3	BR	SA	NCM; water seepage at 71 cm; 7.5 m interval
ST 5A-11	1	0-55	7.5YR 4/4	BR	SA	NCM
ST 5A-11	2	55-30	5YR 4/6	RD BR	SA	NCM; water seepage at 80 cm; 7.5 m interval
ST 5A-12	1	0-30	7.5YR 4/2	BR	SA	concrete impasse at 30 cm; 7.5 m interval
ST 5A-13	1	0-38	7.5YR 4/3	BR	SA	NCM
ST 5A-13	2	38-62	7.5YR 4/4	BR	SA	cement impasse at 38 cm; 4 m interval
ST 5A-14	1	0-28	7.5YR 4/4	BR	SA	POSITIVE
ST 5A-14	2	28-55	7.5YR 4/6	STRONG BR	CL	NCM; 7.5 m interval
ST 5A-15	1	0-40	5YR 5/4	RD BR	SA	NCM
ST 5A-15	2	40-46	5YR 4/4	RD BR	CL	NCM
New Dorp Beach Shovel Tests						
D44	1	0-69	2.5Y 6/3	LT YL BR	SA	glass, plastic
D45	1	0-90	7.5YR 4/3	BR	SA	NCM
D46	1	0-50	10YR 4/4	BR	SA	cellophane, Styrofoam at 20 cm; plastic cap, melted plastic bottle; STP in trail
D47	1	0-10	10YR 2/1	BL	SA	NCM
D47	2	10-100	10YR 3/3	DK BR	SA	nails at 75 cm
D48	1	0-85	5YR 4/3	RD BR	SA	glass, ceramic
D49	1	0-38	7.5YR 4/3	BR	SA	NCM
D49	2	38-100	7.5YR 3/3	DK BR	SA LO	glass at 80 cm; floor tile at 90 cm
D50	1	0-100	2.5Y 6/3	LT YL BR	SA	whiteware; modern glass, plastic (not collected)

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
D51	1	0-15	10YR 5/6	YL BR	SA	NCM
D51	2	15-18	10YR 3/2	DK GR BR	SI SA	POSITIVE
D51	3	18-25	10YR 3/3	GR BR	SI SA	burnt wood, milk bottle neck at 20 cm
D51	4	25-30	10YR 4/6	YL BR	CL	NCM; clay impasse at 30 cm
D52	1	0-28	2.5Y 6/3	LT YL BR	SA	NCM
D52	2	28-74	7.5YR 3/2	DK BR	SA	whiteware, plastic
D53	1	0-43	7.5YR 3/2	DK BR	SI LO	whiteware, glass, metal
D53	2	43-93	7.5YR 3/3	DK BR	SI CL LO	NCM
D54	1	0-5	10YR 2/1	BL	SI LO	concrete impasse at 5 cm; STP next to dirt access road
D55	1	0-25	7.5YR 3/2	DK BR	SI LO	glass
D55	2	25-75	5YR 4/3	RD BR	CL	NCM
D56	1	0-48	7.5YR 4/3	BR	SA	NCM
D56	2	48-61	7.5YR 2.5/1	BL	SA SI LO	ceramic
D57	1	0-10	10YR 4/4	DK YL BR	SA	impasse at 10 cm due to buried lawn bags
D58	1	0-40	7.5YR 4/6	STRONG BR	SA	concrete impasse at 40 cm
D59	1	0-5	10YR 3/2	DK GR BR	SI SA	modern debris
D59	2	5-23	5YR 6/4	LT RD BR	SA	modern debris, brick fragment at 20 cm
D59	3	23-40	10YR 5/1	GR	SI SA	coal, clinker, ash
D59	4	40-53	7.5YR 5/6	STRONG BR	SA	POSITIVE
D59	5	53-65	5YR 5/8	YL BR	SA	NCM; STP near house
D60	1	0-100	7.5YR 4/3	BR	SA	plastic
D61	1	0-87	7.5YR 4/3	BR	SA	metal, slag; gravel starting at 35 cm
D62	1	0-100	7.5YR 4/4	BR	SA	NCM
D63	1	0-101	7.5YR 4/3	BR	SA	NCM
D64	1	0-70	7.5YR 4/3	BR	SA	NCM
D65	1	0-103	7.5YR 4/4	BR	SA	NCM
D66	1	0-100	7.5YR 4/4	BR	SA	NCM
D67	1	0-100	7.5YR 4/4	BR	SA	NCM
D68	1	0-102	7.5YR 4/3	BR	SA	NCM
D69	1	0-100	7.5YR 4/6	STRONG BR	SA	nail at 70 cm; modern surface debris
D70	1	0-100	7.5YR 4/3	BR	SA	nails, glass
D71	1	0-109	7.5YR 4/3	BR	SA	brick, glass, building material (sample collected)
D72	1	0-31	7.5YR 4/4	BR	SA	brick, masonry, tiling; rock impasse at 31 cm
D73	1	0-100	7.5YR 4/3	BR	SA	building material, metal at 30-70 cm
D74	1	0-65	7.5YR 4/6	STRONG BR	SA	concrete slab impasse at 65 cm
D75	1	0-15	7.5YR 4/4	BR	SA	modern glass, foam, plastic (not collected); rock impasse at 15 cm
D76	1	0-96	7.5YR 4/3	BR	SA	glass, brick, concrete at 80 cm
D77	1	0-25	7.5YR 3/3	DK BR	SA	brick at 10 cm; concrete slab impasse at 25 cm
D78	1	0-16	7.5YR 3/2	DK BR	SA LO	NCM
D78	2	16-100	5YR 4/4	RD BR	SA	NCM
D79	1	0-22	7.5YR 3/3	DK BR	SI LO	NCM
D79	2	22-100	7.5YR 4/4	BR	SA	building material at 40 cm
D80	1	0-30	7.5YR 3/3	DK BR	SA LO	concrete pieces at 20 cm
D80	2	30-35				asphalt and gravel layer; asphalt and gravel impasse at 35 cm
D81	1	0-25	7.5YR 3/2	DK BR	SA LO	plastic, Styrofoam
D81	2	25-91	7.5YR 4/4	BR	SA	brick, ceramic
D82	1	0-100	7.5YR 4/3	BR	SA	pipestem at 20 cm; metal at 80 cm
D83	1	0-100	7.5YR 4/6	STRONG BR	SA	ceramic at 30 cm; glass at 70 cm
D84	1	0-30	7.5YR 3/3	DK BR	SI LO	building material at 20 cm; rock impasse at 30 cm
D85	1	0-84	7.5YR 4/3	BR	SA	NCM
D86	1	0-22	7.5YR 4/4	BR	SA	NCM
D86	2	22-38	5YR 4/4	RD BR	SA	NCM; rock impasse at 38 cm

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
Cedar Grove Beach Club Bungalows						
D87	1	0-100	7.5YR 5/4	BR	SA	modern debris (not collected)
D88	1	0-9	7.5YR 3/2	DK BR	SA LO	NCM
D88	2	9-34	7.5YR 3/2	DK BR	SA SI	whiteware, brick, glass at 34 cm; rock impasse at 34 cm
D89	1	0-35	7.5YR 3/2	DK BR	SI CL	linen, glass, ceramic, brick at 15 cm; asphalt, concrete, gravel throughout; STP next to fence
D91	1	0-65	7.5YR 4/3	BR	SA	NCM; wood impasse at 65 cm
D91-7.5m south	1	0-85	7.5YR 4/3	BR	SA	glass, metal
D92	1	0-100	7.5YR 4/3	BR	SA	glass at 50 cm
D92-7.5m south	1	0-100	7.5YR 4/3	BR	SA	NCM
D93	1	0-100	7.5YR 4/4	BR	SA	glass, burnt plastic, burnt shingle at 15-30 cm
D93-7.5m south	1	0-100	7.5YR 4/4	BR	SA	glass at 20 cm; burnt wood at 90 cm
D94	1	0-100	7.5YR 5/4	BR	SA	glass, nail
D94-7.5m south	1	0-100	7.5YR 5/4	BR	SA	glass at 100 cm
D95	1	0-103	7.5YR 4/4	BR	SA	plastic, ceramic, metal pipe at 60 cm
D95-7.5m south	1	0-102	7.5YR 4/4	BR	SA	NCM
D96	1	0-100	7.5YR 4/3	BR	SA	NCM
D96-7.5m south	1	0-100	7.5YR 4/3	BR	SA	NCM
D97	1	0-94	7.5YR 4/3	BR	SA	NCM
D97-4m south	1	0-92				
D98	1	0-100	7.5YR 5/4	BR	SA	NCM
D98-7.5m south	1	0-100	7.5YR 5/4	BR	SA	NCM
D99	1	0-100	7.5YR 4/4	BR	SA	NCM
D99-7.5m south	1	0-100	7.5YR 4/4	BR	SA	plastic, burnt wood, glass at 85 cm
D100	1	0-107	7.5YR 4/3	BR	SA	NCM
D100-7.5m south	1	0-104	7.5YR 4/4	BR	SA	NCM
D101	1	0-100	7.5YR 4/3	BR	SA	NCM
D101-7.5m south	1	0-96	7.5YR 4/3	BR	SA	NCM
D102	1	0-100	7.5YR 4/4	BR	SA	NCM
D102-7.5m south	1	0-110	7.5YR 5/4	BR	SA	NCM
D103	1	0-100	7.5YR 4/3	BR	SA	NCM
D103-7.5m south	1	0-103	7.5YR 4/3	BR	SA	NCM
D104	1	0-100	7.5YR 4/4	BR	SA	bottle cap, burnt wood, plastic at 20 cm
D104-7.5m south	1	0-104	7.5YR 5/4	BR	SA	charred wood, glass, plastic
D105	1	0-104	7.5YR 4/3	BR	SA	wood safety pin
D105-7.5m south	1	0-50	7.5YR 4/3	BR	SA	wood plank impasse at 50 cm
D106	1	0-100	7.5YR 4/4	BR	SA	burnt wood, plastic at 45 cm
D106-7.5m south	1	0-100	7.5YR 4/3	BR	SA	NCM
D107	1	0-100	7.5YR 5/4	BR	SA	modern surface debris (not collected); glass, charred wood, straws in stratum 1

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
D107-7.5m south	1	0-102	7.5YR 4/3	BR	SA	wood, plastic; wood plank in side wall of STP at 22 cm
D108	1	0-107	7.5YR 4/3	BR	SA	glass
D108-7.5m south	1	0-100	7.5YR 4/4	BR	SA	burnt wood, plastic, glass at 45 cm
D109	1	0-100	7.5YR 5/4	BR	SA	NCM
D109-7.5m south	1	0-100	7.5YR 4/3	BR	SA	NCM
D110	1	0-110	7.5YR 5/4	BR	SA	NCM
D110-7.5m south	1	0-110	7.5YR 4/3	BR	SA	wood, glass, plastic
D111	1	0-100	7.5YR 4/4	BR	SA	wood at 75 cm
D111-7.5m south	1	0-100	7.5YR 5/4	BR	SA	NCM
D112	1	0-100	7.5YR 4/3	BR	SA	NCM
D112-7.5m south	1	0-98	7.5YR 4/3	BR	SA	NCM
D113	1	0-103	7.5YR 5/4	BR	SA	plastic
D113-7.5m south	1	0-100	7.5YR 4/3	BR	SA	NCM
D114	1	0-100	7.5YR 4/4	BR	SA	NCM
D114-7.5m south	1	0-104	7.5YR 4/3	BR	SA	plastic, wood
D115	1	0-80	7.5YR 5/4	BR	SA	NCM
D115	2	80-100	7.5YR 4/4	BR	SA	NCM
D115-7.5m south	1	0-100	7.5YR 4/3	BR	SA	NCM
D116	1	0-100	7.5YR 4/4	BR	SA	glass at 75 cm
D116-7.5m south	1	0-47	7.5YR 5/4	BR	SA	NCM
D116-7.5m south	2	47-112	7.5YR 4/4	BR	SA	plastic, foam, plastic pipe
D117	1	0-27	7.5YR 4/3	BR	SA	concrete impasse at 27 cm
D117a-7.5m south	1	0-100	7.5YR 4/3	BR	SA	NCM
D117b-7.5m south	1	0-100	7.5YR 4/3	BR	SA	NCM
D118	1	0-85	7.5YR 4/4	BR	SA	plastic at 80 cm; concrete impasse at 85 cm
D118-7.5m south	1	0-100	7.5YR 4/3	BR	SA	NCM
D119	1	0-102	7.5YR 5/4	BR	SA	paint chips
D120	1	0-100	7.5YR 5/4	BR	SA	plastic figurine, foam, plastic
D120-7.5m south	1	0-100	7.5YR 4/3	BR	SA	glass at 70 cm
D121	1	0-65	7.5YR 4/3	BR	SA	plastic, wood
D121	2	65-100	7.5YR 4/2	BR	SA	glass
D122	1	0-62	7.5YR 5/4	BR	SA	1964 penny
D122	2	62-100	7.5YR 4/3	BR	SA	NCM
D122-7.5m south	1	0-100	7.5YR 4/3	BR	SA	NCM
D123	1	0-59	7.5YR 5/4	BR	SA	nail; modern debris (not collected)
D123	2	59-100	7.5YR 4/3	BR	SA	plastic, Styrofoam, glass
D123-7.5m south	1	0-26	7.5YR 4/3	BR	SA	NCM
D123-7.5m south	2	26-108	7.5YR 4/2	BR	SA	glass, plastic

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
South End of Cedar Grove Beach						
D124	1	0-100	7.5YR 4/3	BR	SA	NCM
D124-7.5m south	1	0-100	7.5YR 4/3	BR	SA	glass, metal
D125	1	0-100	7.5YR 4/3	BR	SA	nails at 45 cm
D125-7.5m south	1	0-80	7.5YR 4/4	BR	SA	NCM; water seepage at 80 cm
D126	1	0-111	7.5YR 5/4	BR	SA	metal hook, foam, plastic, nail
D126-7.5m south	1	0-75	7.5YR 4/4	BR	SA	NCM; water seepage at 75 cm
D127	1	0-34	7.5YR 4/3	BR	SA	whiteware at 34 cm; concrete impasse at 34 cm
D127-7.5m south	1	0-62	7.5YR 4/3	BR	SA	glass; water seepage at 62 cm
D127-B	1	0-30	7.5YR 4/3	BR	SA	screw
D127-B	2	30-97	7.5YR 4/3, 3/2	BR, DK BR	SA CL	NCM
D128	1	0-110	7.5YR 4/4	BR	SA	modern glass, plastic paper (not collected)
D128-B	1	0-20	7.5YR 3/3	DK BR	SA LO	cement impasse at 20 cm
D129	1	0-70	7.5YR 4/4	BR	SA	brick, nail, ceramic at 60 cm; wood plank impasse at 70 cm
D129-B	1	0-44	7.5YR 5/4	BR	SA	NCM
D129-B	2	44-100	7.5YR 4/4	BR	SA	green fragments of unknown material
D130	1	0-45	7.5YR 4/4	BR	SA	brick, burnt wood with red paint at 20 cm; wooden plank impasse at 45 cm
D130-B	1	0-48	7.5YR 4/4	BR	SA	cement impasse at 48 cm
D131-B	1	0-28	7.5YR 5/4	BR	SA	glass, plastic, paper (not collected); root impasse at 28 cm
D132-B	1	0-78	7.5YR 4/3	BR	SA	NCM; rock impasse at 78 cm
D133-B	1	0-100	7.5YR 4/4	BR	SA	NCM
D134-B	1	0-65	7.5YR 3/2	DK BR	SA	concrete, tile fragments at 15 cm; wood plank impasse at 65 cm
D135-B	1	0-3	7.5YR 2.5/1	BL	SA LO	modern debris (not collected)
D135-B	2	3-53	7.5YR 5/4	BR	SA	plastic straw
D135-B	3	53-72	7.5YR 3/2	DK BR	SA SI LO	NCM
D135-B	4	72-130	7.5YR 4/4	BR	SA	NCM
D136-B	1	0-100	7.5YR 4/4	BR	SA	NCM
D137-B	1	0-32	7.5YR 4/3	BR	SA LO	wooden plank impasse at 32 cm; STP near 2 demolished structures
D138-B	1	0-15	7.5YR 3/3	DK BR	SA	log impasse at 15 cm; push piles near STP
D139-B	1	0-100	7.5YR 3/4	DK BR	SA	ceramic at 25 cm; modern debris (not collected)
D140-B	1	0-34	7.5YR 4/3	BR	SA	wood, glass, concrete, concrete impasse at 34
D141-B	1	0-74	7.5YR 4/3	BR	SA	ceramic at 25 cm, roots
D142-B	1	0-110	7.5YR 4/4	BR	SA	glass, wood with paint
D143-B	1	0-20	7.5YR 5/3	BR	SI SA	roof shingle fragments
D143-B	2	20-110	10YR 5/8	STRONG BR	SA	concrete, asphalt, cinder, coal, wood fragments at 100 cm
D144	1	0-29	7.5YR 4/3	BR	SA LO	NCM; rock impasse at 29 cm
D145	1	0-55	7.5YR 3/4	DK BR	SA	NCM
D145	2	55-100	7.5YR 3/2	DK BR	SA	brick at 45 cm
D146	1	0-8	10YR 3/1	V DK GR	SI SA	NCM
D146	2	8-33	10YR 4/6	DK YL BR	SA	glass; rock impasse at 33 cm
D147	1	0-20	7.5YR 3/2	DK BR	SI LO	NCM
D147	2	20-67	7.5YR 3/4	DK BR	SA LO	NCM; water seepage at 67 cm
D148	1	0-43	7.5YR 3/1	V DK GR	SI LO	NCM; rock impasse at 43 cm
D149	1	0-12	7.5YR 2.5/1	BL	SA SI	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
D149	2	12-22	7.5YR 3/2	DK BR	SA	NCM
D149	3	22-64	7.5YR 4/4	BR	SA	glass, pipe fragment; water seepage at 32 cm
D150	1	0-10	10YR 3/4	DK YL BR	SI SA LO	gravel fill; water seepage at 10 cm
Oakwood Beach Internal Levee						
D151	1	0-8	10YR 3/4	DK YL BR	SI SA LO	gravel fill; water seepage at 8 cm
D152	1	0-40	7.5YR 3/4	DK BR	SI LO	horseshoe at 25 cm; rock impasse at 40 cm
D153	1	0-38	7.5YR 4/4	BR	SA LO	ceramic, plastic, glass at 20-30 cm; rock impasse at 38 cm; 7.5 m interval
D154						not excavated due to asphalt road
D155	1	0-11	7.5YR 2.5/1	BL	SA LO	modern debris (not collected); asphalt impasse at 11 cm; STP located next to road
D156						not excavated due to asphalt road
D157	1	0-38	7.5YR 2.5/1	BL	SA LO	modern debris and fill (not collected); root and rock impasse at 38 cm
D158	1	0-45	7.5YR 2.5/1	BL	SA LO	STP terminated at 45 cm due to large deposit of modern trash
D159	1	0-9	7.5YR	BL	SA LO	modern debris and fill (not collected)
D159	2	9-20	10YR 5/4, 5YR 4/6	YL BR, YL RD	CL	NCM; gravel, pebbles
D159	3	20-38	7.5YR 2.5/1	BL	SA LO	NCM; rocks; water seepage at 38 cm
D160	1	0-15	7.5YR	BL	SI LO	NCM
D160	2	15-75	10YR 5/4	YL BR	SA	NCM; water seepage at 75 cm
D161	1	0-11	7.5YR 2.5/1	BL	SA LO	modern debris and fill (not collected); gravel fill; rock and root impasse at 11 cm
D162						not excavated due to water pipes and fallen tree
D163	1	0-8	7.5YR 3/2	DK BR	SA LO	NCM
D163	2	8-22	7.5YR 4/3	BR	SA	NCM
D163	3	22-33	7.5YR 3/2	DK BR	SA SI	NCM; gravel throughout STP; rock impasse at 33 cm
D164	1	0-20	7.5YR 2.5/1	BL	SA LO	ceramic tile at 15 cm
D164	2	20-35	5YR 4/3	RD BR	SA LO	NCM
D164	3	35-100	7.5YR 4/3	BR	SA	NCM; high concentration of rock thruout STP
D165	1	0-20	7.5YR 2.5/1	BL	SI LO	NCM
D165	2	20-60	7.5YR 2.5/1	BL	SA	NCM; high concentration of rock throughout STP; water seepage at 60 cm
Oakwood Beach Sewage Treatment Plant						
D600	1	0-28	7.5YR 4/3	BR	SI LO	clear glass; rock impasse at 28 cm
D601	1	0-25	7.5YR 4/3	BR	SI LO	plastic, glass; rock impasse at 25 cm
D603	1	0-15	7.5YR 3/3	DK BR	SI CL	10 ceramic fragments, metal object at 5 cm
D603	2	15-60	7.5YR 4/6	STRONG BR	CL	NCM
D604	1	0-24	7.5YR 3/3	DK BR	SI CL	glass, whiteware at 10 cm
D604	2	24-40	7.5YR 4/6	STRONG BR	CL	NCM; root impasse at 40 cm
D605	1	0-30	7.5YR 3/1	V DK GR	SI CL	NCM
D605	2	30-76	7.5YR 5/4	BR	SI CL	NCM; water seepage at 76 cm
D606	1	0-28	7.5YR 3/2	DK BR	SA LO	NCM
D606	2	28-41	7.5YR 5/6	STRONG BR	SA CL	NCM; root impasse at 41 cm
D607	1	0-20	10YR 3/2	V DK GR BR	SA SI	cellophane
D607	2	20-40	7.5YR 4/4	BR	CL LO	brick fragments; rock impasse at 40 cm
D608	1	0-10	7.5YR 3/3	DK BR	SI LO	NCM
D608	2	10-65	10YR 4/4	DK YL BR	SA LO	NCM; 7.5 m interval
D609	1	0-12	7.5YR 3/2	DK BR	SA LO	NCM
D609	2	12-48	10YR 4/4	DK YL BR	SA LO	NCM; root impasse at 48 cm
D610	1	0-15	10YR 3/2	V DK GR BR	SI SA	NCM; roots
D610	2	15-40	10YR 4/4	BR	SI SA	NCM; roots; root impasse at 40 cm

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
D611	1	0-20	7.5YR 3/2	DK BR	SI LO	NCM
D611	2	20-80	10YR 5/6	YL BR	SA	NCM
D612	1	0-21	7.5YR 2.5/1	BL	SA LO	NCM
D612	2	21-33	7.5YR 5/6	STRONG BR	SA CL	NCM; root impasse at 33 cm
D613	1	0-30	7.5YR 3/3	DK BR	CL	NCM; water seepage at 30 cm
D614	1	0-10	7.5YR 3/2	DK BR	SI LO	NCM; water seepage at 10 cm
D615	1	0-15	7.5YR 3/2	DK BR	SI LO	NCM; water seepage at 15 cm
D616	1	0-25	7.5YR 3/3	DK BR	CL	NCM; water seepage at 25 cm
D618	1	0-10	10YR 3/2	DK GR BR	SI LO	NCM
D618	2	10-30	10YR 4/4	BR	CL	asphalt at 20 cm; rock impasse at 30 cm
D619	1	0-21	7.5YR 3/2	DK BR	SI LO	NCM; rock impasse at 21 cm
D620	1	0-31	7.5YR 3/2	DK BR	SI LO	NCM; root impasse at 31 cm
D621	1	0-13	7.5YR 3/2	DK BR	SI LO	NCM
D621	2	13-20	10YR 4/4	BR	SI SA	NCM
D621	3	20-34	7.5YR 3/4	DK BR	SA SI	NCM
D621	4	34-52	10YR 4/4	BR	SI SA	cement impasse at 52 cm
D622	1	0-13	7.5YR 3/2	DK BR	SI LO	NCM
D622	2	13-41	7.5YR 5/6	STRONG BR	SA CL	building material; rocky; rock impasse at 41 cm
D623	1	0-10	7.5YR 3/3	DK BR	CL	NCM
D623	2	10-75	10YR 4/6	DK YL BR	SA CL	NCM; 7.5 m interval
D624	1	0-30	10YR 4/4	BR	SI SA	NCM; 5 cm organic layer of leaves and sticks; root impasse at 30 cm
D625	1	0-71	7.5YR 3/2	DK BR	SI LO	glass, ceramic, brick; root impasse at 71 cm
D626	1	0-55	7.5YR 3/3	DK BR	SI LO	intact bottle, ceramic, nail, clear and blue glass fragments; root impasse at 55 cm
D627	1	0-40	7.5YR 3/2	DK BR	SI LO	NCM; root impasse at 40 cm
D628	1	0-11	7.5YR 3/2	DK BR	SA LO	NCM
D628	2	11-29	7.5YR 5/6	STRONG BR	SA CL	NCM; rock and root impasse at 29 cm
D629	1	0-38	10YR 4/4	BR	SA LO	rebar, fill, light bulb, bottles; root and rock impasse at 38 cm; STP 2 m from fence
D630	1	0-15	7.5YR 3/3	DK BR	SI CL	brick, glass, ceramic, red painted clay soil
D630	2	15-100	5YR 4/6	STRONG BR	SI CL	2 cm ashy clay layer at 70 cm
D630-2m north	1	0-10	10YR 3/2	DK YL BR	SI LO	NCM; roots
D630-2m north	2	10-40	10YR 4/4, 5/6	DK YL BR YL BR	SI LO	NCM; roots; root impasse at 40 cm
West of Oakwood Beach Sewage Treatment Plant						
D631	1	0-80	7.5YR 3/3	DK BR	SI LO	tile, whiteware, glass at 60-70 cm
D631-2m east	1	0-14	7.5YR 3/2	DK BR	SI LO	NCM
D631-2m east	2	14-60	5YR 4/4	RD BR	SI SA	glass at 30-60 cm
D632	1	0-19	7.5YR 3/2	DK BR	SI LO	NCM
D632	2	19-39	5YR 4/4	RD BR	SI SA	brick fragment; rock impasse at 39 cm
D632-4m west	1	0-16	7.5YR 3/2	DK BR	SA SI LO	modern debris (not collected)
D632-4m west	2	16-38	5YR 4/4	RD BR	SA CL	glass, whiteware, metal
D632-4m west	3	38-84	7.5YR 3/2	DK BR	SA SI LO	glass, whiteware, metal
D633	1	0-21	7.5YR 3/1	V DK GR	SI LO	NCM
D633	2	21-80	7.5YR 4/2	BR	SI LO	NCM; rocks and gravel throughout STP
D634	1	0-10	10YR 3/1	DK GR BR	LO	NCM
D634	2	10-30	10YR 4/4, 3/1	BR DK GR BR	LO	NCM
D634	3	30-37	10YR 4/4	BR	CL LO	NCM; rock impasse at 37 cm

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
D635	1	0-35	7.5YR 3/2	DK BR	SA SI LO	ceramic fragment, brick fragment; rock impasse at 35 cm
D635-4m east	1	0-42	7.5YR 3/2	DK BR	SA LO	green and clear glass; rock impasse at 42 cm
D637						not excavated due to disturbance; concrete fill; possible wetlands
D638	1	0-39	7.5YR 4/3	BR	SI LO	NCM; rock impasse at 39 cm; wetlands
D639	1	0-25	7.5YR 3/3	DK BR	CL	NCM; water seepage at 25 cm; 7.5 m interval
D640						not excavated due to standing water
D641	1	0-10	10YR 3/1	V DK GR BR	SI LO	NCM; rock impasse at 10 cm
D642a	1	0-25	7.5YR 3/3	DK BR	SI CL	brick fragments at 5 cm; rock impasse at 25 cm
D642b	1	0-25	7.5YR 3/2	DK BR	SI LO	brick fragment at 13 cm
D642b	2	25-80	10YR 4/6	DK YL BR	SI LO	NCM; 4 m interval
D643	1	0-30	7.5YR 3/3	DK BR	SI LO	NCM; rock impasse at 30 cm
D644	1	0-65	7.5YR 3/1	V DK GR	SI LO	brick; rock impasse at 65 cm
D645	1	0-8	10YR 2/1	BL	SI CL LO	NCM; roots
D645	2	8-35	10YR 4/4	BR	SI CL LO	NCM; roots; water seepage at 35 cm
D646	1	0-12	7.5YR 3/3	DK BR	SI LO	NCM
D646	2	12-60	10YR 4/4	BR	SI CL LO	NCM; rock impasse at 60 cm
D647	1	0-60	10YR 2/1	BL	LO	NCM
D647	2	60-100	10YR 4/6	DK YL BR	SI CL	NCM
D648	1	0-32	10YR 2/1	BL	SA LO	NCM
D648	2	32-44	7.5YR 5/4	BR	SA CL	NCM
D648	3	44-63	7.5YR 5/6	STRONG BR	CL	NCM; water seepage at 63 cm
D649						not excavated due to fill disturbance
D650	1	0-17	7.5YR 3/1	V DK GR	SI CL	NCM
D650	2	17-80	7.5YR 3/1, 4/3	DK GR, BR	SI CL	NCM
D651	1	0-22	10YR 2/1	BL	LO	NCM
D651	2	22-80	10YR 4/6	DK YL BR	SI CL	NCM; water seepage at 80 cm
D652	1	0-20	10YR 2/1	BL	SI LO	NCM; roots
D652	2	20-100	10YR 5/4	LT YL BR	CL LO	NCM; roots
D653	1	0-20	7.5YR 3/2	DK BR	SI LO	NCM
D653	2	20-40	10YR 4/4	DK YL BR	SI CL	NCM; water seepage at 40 cm
D654	1	0-25	10YR 2/1	BL	CL	NCM; water seepage at 25 cm
D655						not excavated due to standing water
D656						not excavated due to standing water
D657						not excavated due to standing water
D658						not excavated due to standing water
D659						not excavated due to standing water
D660						not excavated due to standing water
D661						not excavated due to standing water
D662						not excavated due to standing water
D663						not excavated due to standing water
D664						not excavated due to standing water
D665						not excavated due to standing water
D666						not excavated due to standing water
D667						not excavated due to standing water
D668						not excavated due to standing water
D669						not excavated due to standing water
D670						not excavated due to standing water
D671						not excavated due to standing water
D672						not excavated due to standing water
D673						not excavated due to standing water

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
Study Area C						
Seawall/Levee Public Alignment						
North Shovel Tests, Transect 9						
C9-1	1	0-3	7.5YR 3/2	DK BR	SA LO	clear glass at 3 cm
C9-1	2	3-13	7.5YR 4/3	BR	SA CL	NCM
C9-2	1	0-95	10YR 4/4	BR	SA	aluminum can, modern glass, shell, bottle top
C9-3	1	0-24	7.5YR 4/4	BR	SA LO	shell, glass, metal
C9-3	2	24-45	7.5YR 6/4	LT BR	SA CL	shell, glass
C9-4	1	0-15	7.5YR 4/4	BR	SA	NCM
C9-4	2	15-58	7.5YR 4/3	BR	SA	glass, nail
C9-5	1	0-27	7.5YR 5/3	LT BR	SA	glass
C9-5	2	27-50	7.5YR 4/4	BR	SA CL	complete glass bottle
South Shovel Tests, Transects C42 to C53						
C42 linear	1	0-100	7.5YR 5/6	STRONG BR	SA	ceramic at 10 cm; glass at 60 cm
C43	1	0-38	10YR 5/6	YL BR	SA	plastic, electrical tape at30 cm
C43	2	38-70	5YR 4/4	RD BR	SA	brown bottle glass at 60 cm; plastic at 70 cm
C44	1	0-93	7.5YR 5/4	BR	SA	glass, plastic at 70 cm
C45	1	0-41	7.5YR 5/4	BR	SA	NCM
C45	2	41-73	7.5YR 4/4	BR	SA	NCM
C46	1	0-100	7.5YR 5/6	STRONG BR	SA	glass at 60 cm
C47	1	0-72	7.5YR 5/4	BR	SA	glass
C48	1	0-15	7.5YR 5/4	BR	SA	NCM
C48	2	15-95	7.5YR 4/4	BR	SA	metal, glass at 65 cm; water seepage at 95 cm
C49	1	0-40	10YR 6/4	LT YL BR	SA	modern debris
C49	2	40-60	7.5YR 6/4	LT BR	SA	glass at 50 cm
C50	1	0-49	7.5YR 5/4	BR	SA	glass, brick
C50	2	49-110	7.5YR 4/3	BR	SA	glass, brick, paper
C51	1	0-100	7.5YR 4/6	STRONG BR	SA	glass at 40 cm, modern debris throughout
C52	1	0-40	7.5YR 5/4	BR	SA	shell, glass at 30 cm
C52	2	40-65	7.5YR 4/3	BR	SA	NCM
C53	1	0-40	7.5YR 5/4	BR	SA	glass, plastic
C53	2	40-70	7.5YR 5/4, 5/6	BR, STRONG BR	SA CL	glass at 50 cm
Crescent Beach Pond 1						
C18-1	1	0-7	7.5YR 2.5/2	V DK BR	SI LO	glass
C18-1	2	7-27	7.5YR 4/4	BR	CL LO	glass, ceramic, large glass chunk,
C18-2	1	0-30	10YR 3/2	V DK BR	CL SI LO	metal, slag at 15 cm; modern debris on surface
C18-2	2	30-50	2.5YR 2.5/4	DK RD BR	SI LO	NCM
C18-3	1	0-13	7.5YR 4/4	BR	SA LO	NCM
C18-3	2	13-23	7.5YR 4/6	STRONG BR	CL LO	NCM
C18-4	1	0-25	10YR 3/2	V DK BR	CL LO	melted glass fragment at 20 cm
C18-4	2	25-50	2.5YR 2.5/4	DK RD BR	SI LO	NCM
C19-2	1	0-22	7.5YR 3/2	DK BR	SA LO	glass; rock impasse at 22 cm
C19-3	1	0-30	7.5YR 4/2	BR	SA LO	NCM
C19-3	2	30-42	7.5YR 6/4	LT BR	SA LO	NCM
C19-4	1	0-40	7.5YR 4/2	BR	SI CL	brick at 2 cm; glass, nail, rubber object at 37 cm
C19-4	2	40-65	7.5YR 5/3	BR	SI CL	STP in modern trash pile; 15 m from house
C20-1	1	0-9	7.5YR 3/1	V DK GR	SI LO	glass, ceramic
C20-1	2	9-14	7.5YR 4/4	BR	CL LO	NCM
C20-1	3	14-22				ash deposit
C20-1	4	22-26	7.5YR 4/4	BR	CL LO	NCM; rock impasse at 26 cm
C20-2	1	0-30	7.5YR 3/2	DK BR	SI LO	glass, bone
C20-3	1	0-20	7.5YR 4/3	BR	SI LO	NCM
C20-3	2	20-50	7.5YR 4/4	BR	SI LO	flat clay rock with black trim at 40 cm

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
C20-4	1	0-24	7.5YR 4/4	BR	SA LO	glass
C20-4	2	24-34	7.5YR 5/6	STRONG BR	CL	NCM; rock, gravel
C21-1	1	0-14	7.5YR 3/1	V DK GR	SI LO	NCM
C21-1	2	14-38	7.5YR 4/4	BR	CL	glass, plastic
C21-2	1	0-10	10YR 4/4	DK BR	SA SI	NCM; rock impasse at 10 cm
C21-3	1	0-10	7.5YR 4/4	BR	SA SI	NCM; very rocky; rock impasse at 10 cm
C22-1	1	0-10	7.5YR 4/2	BR	SA LO	glass, ceramic
C22-1	2	10-33	5YR 5/4, 7.5YR 6/6	RD BR, RD YL	SI CL	glass, ceramic
C22-2	1	0-7	10YR 2/2	V DK BR	CL SI LO	NCM
C22-2	2	7-15	10YR 3/2	V DK GR BR	CL SI LO	blue ceramic at 10 cm
C22-2	3	15-20				gravel layer
C22-2	4	20-25	7.5YR 3/1	V DK GR	SA	NCM
C22-2	5	25-50				flat clay rock with black trim at 40 cm
C22-3	1	0-10	7.5YR 2.5/1	BL	SA LO	NCM
C22-3	2	10-20	7.5YR 5/2	BR	SA LO	NCM
C22-3	3	20-35	5YR 3/4	DK RD BR	SI CL	NCM
C22-3	4	35-50				gravel layer
C22-4	1	0-10	7.5YR 2.5/1	BL	SI LO	NCM
C22-4	2	10-45	5YR 4/4	RD BR	SI CL	NCM
C23-1	1	0-33	7.5YR 2.5/1	BL	SA LO	glass
C23-2	1	0-15	10YR 4/4	BR	SI SA	clear flat glass, asphalt shingle fragment
C23-2	2	15-25	10YR 5/6	LT BR	SI SA	clear flat glass, brick
C23-3	1	0-20	7.5YR 4/2	BR	SA LO	glass
C23-3	2	20-50	7.5YR 6/4	LT BR	SA CL	NCM
C23-4	1	0-32	7.5YR 4/4	BR	SA LO	glass, brick, metal
C23-4	2	32-42	7.5YR 4/3	BR	SA LO	NCM
C24-1	1	0-38	7.5YR 2.5/1	BL	SA LO	glass, Styrofoam, metal at 28 cm
C24-2, 7.5	1	0-10	10YR 4/4	BR	SA SI	blue decorated ceramics
C24-2, 7.5	2	10-26	10YR 5/6	LT BR	SI SA	NCM
C24-3, 7.5	1	0-20	7.5YR 4/2	BR	SA LO	glass, stone; rock impasse at 20 cm
C24-4, 7.5	1	0-14	7.5YR 4/3	BR	SA LO	tile, plastic bottle caps, glass, paper, toy gun
C24-4, 7.5	2	14-44	7.5YR 5/6	STRONG BR	SA	NCM
C25-1	1	0-25	7.5YR 2.5/1	BL	SA LO	glass, plastic, metal, brick at 15 cm
C26-1	1	0-68	7.5YR 4/3, 5/6	BR STRONG BR	SA	brown bottle glass at 10 cm; clear flat glass, bottle glass at 25 cm; modern debris
Crescent Beach Pond 2						
C1-1	1	0-100	10YR 4/4, 3/1	DK YL BR V DK GR	SA	foam, glass, pull tab at 20 cm; modern debris at 100 cm
C2a-7.5m north 1	1	0-24	7.5YR 4/3	BR	SA LO	metal, glass, ceramic, shell; rock impasse at 24 cm
C2a-7.5m north 2	1	0-25	7.5YR 4/4	DK GR	SA LO	glass, metal, shell
C2a-7.5m north 2	2	25-50	7.5YR 5/4	BR	SA	NCM
C2-T1	1	0-70	7.5YR 4/3	BR	SA	NCM
C2-T2	1	0-80	7.5YR 4/3	BR	SA	ceramic at 25 cm; faunal bone at 35 cm
C3-2	1	0-50	7.5YR 4/3	BR	SA LO	shell, tile, metal, cotton fragment
C3-2	2	50-88	7.5YR 2.5/3	V DK BR	SA	shell, metal, tile
C3-2	3	88-90	7.5YR 5/4	BR	SA	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
C3-7.5m north 1	1	0-24	7.5YR 2.5/3	V DK BR	SI LO	glass, metal
C3-7.5m north 1	2	24-40	7.5YR 3/2	DK BR	SA LO	tile, glass, metal, string
C3-7.5m north 1	3	40-54	7.5YR 3/4	DK BR	SA LO	glass, pottery
C3-7.5m north 2	1	0-30	7.5YR 3/2	DK BR	SI	glass, shell, ceramic
C3-7.5m north 2	2	30-68	7.5YR 5/4	BR	SI	glass, metal, ceramic
C3-T3-1	1	0-19	7.5YR 4/3	BR	SA	glass, nails, ceramic, shell
C3-T3-1	2	19-28	7.5YR 3/3	DK BR	SI	glass, nails, ceramic
C4-1	1	0-18	10YR 3/2	V DK GR BR	SA LO	clear glass, whiteware (transfer print)
C4-1	2	18-28	10YR 4/4	DK YL BR	SA SI	NCM
C4-2	1	0-29	10YR 3/2	V DK GR BR	SA LO	NCM
C4-2	2	29-39	10YR 3/2	V DK GR BR	SA SI	NCM
C5-1	1	0-5	10YR 3/2	DK BR	SA SI	modern debris
C5-1	2					gravel fill impasse
C5-2	1	0-10	10YR 3/1	V DK GR	SA SI	modern debris
C5-2	2	10-35	10YR 4/4	DK YL BR	SI SA	plastic, iron bolts; rock impasse at 35 cm
C5-2a-10ft north	1	0-15	10YR 4/4	DK YL BR	SI SA	modern debris
C5-2a-10ft north	2	15-25				gravel fill; gravel fill impasse at 25 cm
C5-2b-10ft south	1	0-25	10YR 3/1	V DK GR	SI SA	modern debris
C5-2b-10ft south	2	25-35				gravel fill; gravel fill impasse at 35 cm
C6-T1	1	0-35	7.5YR 3/2	DK BR	SA CL	modern debris on surface; STP near wooden foundation; concrete and slate throughout
C6-T2	1	0-40	7.5YR 3/2	DK BR	SA CL	brick at 10 cm; 4 bricks, 11 brick fragments at 15 cm; concrete at 35 cm; modern glass throughout (not collected)
C6-T2	2	40-50	7.5YR 5/8	STRONG BR	SA CL	NCM
C6-T2a-5ft west	1	0-15	7.5YR 3/1	V DK BR	SI CL	metal at 10 cm
C6-T2a-5ft west	2	15-40	7.5YR 4/6	STRONG BR	SI CL	whiteware at 20 cm
C6-T2b-10ft north	1	0-5	7.5YR 3/1	V DK BR	SA CL	glass, concrete at 5 cm
C6-T2b-10ft north	2	5-30	7.5YR 3/4	DK BR	SA CL	3 concrete slabs at 20 cm
C6-T2d-10ft south	1	0-20	7.5YR 3/1	V DK BR	SA CL	metal screw, glass, brick at 15 cm
C6-T2d-10ft south	2	20-50	7.5YR 3/4	DK BR	SA CL	brick at 35 cm
C7-1	1	0-18	10YR 3/2	V DK GR BR	SA LO	glass, whiteware, tile at 18 cm
C7-1	2	18-38	7.5YR 3/4	DK BR	SA CL LO	glass, vinyl record fragments at 28 cm
C7-2	1	0-25	7.5YR 3/2	DK BR	SA LO	bottle glass, concrete at 25 cm; rock impasse at 25 cm
C7-3	1	0-18	10YR 2/2	V DK BR	SA LO	clear glass at 18 cm
C7-3	2	18-28	7.5YR 4/4	BR	SA CL	NCM
C7-4	1	0-23	10YR 2/2	V DK BR	SA LO	glass, whiteware, rusted metal fragment at 23 cm
C7-4	2	23-33	7.5YR 4/4	BR	SA CL	modern debris on surface
C7-5	1	0-10	10YR 3/1	DK BR	SA LO	plastic, bottle glass
C7-5	2	10-20	10R 5/8	RD	SI SA CL	plastic, brick
C7-5	3	20-25	5YR 4/3	RD BR	SA	NCM; impasse at 25 cm due to hard packed soil

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
C8-1	1	0-30	10YR 4/4	BR	SI SA	black plastic garbage bag and garbage at 10 cm; rock and root impasse at 30 cm
C8-2	1	0-22	7.5YR 3/2	DK BR	SA LO	glass at 22 cm; rock and root impasse at 22 cm
C8-3	1	0-35	7.5YR 3/2	DK BR	SI SA	gravel fill
C8-4						not excavated due to concrete fill pile
C8-5	1	0-16	7.5YR 3/2	DK BR	SA LO	NCM
C8-5	2	16-26	7.5YR 4/3	BR	CL	NCM; rock impasse at 16 cm
Crescent Beach Pond 3						
C10-1	1	0-15	7.5YR 5/3	LT BR	SA CL	glass, ceramic at 10 cm
C10-1	2	15-30	2.5YR 4/8	RD	CL	NCM
C10-2	1	0-30	10R 7/4	PALE RD	CL SI	plastic, possible bone
C10-2	2	30-60	10R 7/4, 10YR 4/4	PALE RD, DK BR	SA SI	paper, fabric; root impasse at 60 cm
C10-4	1	0-62	7.5YR 3/2	DK BR	SA LO	glass, ceramic, shell
C10-5	1	0-82	7.5YR 3/1	V DK GR	SI LO	glass, ceramic, shell
C10-5	2	82-88	7.5YR 4/4	BR	CL LO	NCM
C10-6	1	0-10	7.5YR 3/2	DK BR	SI LO	glass
C10-6	2	10-25	7.5YR 4/4	BR	CL	NCM
C10-7	1	0-2	10YR 4/3	BR	CL	NCM; rock impasse at 2 cm; STP on former gravel road
C10-8	1	0-30	7.5YR 3/4	DK BR	CL	tile at 5 cm; concrete at 10 cm
C11-1	1	0-10	7.5YR 3/2	DK BR	SA	bone
C11-1	2	10-20	7.5YR 4/4	BR	CL	NCM
C11-2	1	0-30	10YR 3/6	DK YL BR	SI LO	tar paper, plastic, blue glass, asphalt shingle; rock impasse at 30 cm
C11-3	1	0-12	7.5YR 3/2	DK BR	CL	NCM
C11-3	2	12-50	7.5YR 4/6	STRONG BR	CL SA	ceramic drainage tile fragments at 35 cm; concrete throughout STP; 10 ft west of paved road
C11-4	1	0-45	7.5YR 4/4	BR	SA LO	glass, brick
C11-5	1	0-19	7.5YR 4/3	BR	SI LO	glass
C11-5	2	19-29	7.5YR 4/4	BR	CL LO	NCM
C11-6	1	0-36	7.5YR 4/6	STRONG BR	SI LO	NCM
C11-7	1	0-10	10YR 4/3	BR	CL SI LO	NCM
C11-7	2	10-55	10YR 4/3, 5YR 4/4	BR, RD BR	CL SI LO	ceramic drainage tile fragments, complete drainage tile at 20 cm
C12-1	1	0-18	10YR 4/4	BR	SI SA	ceramic (unglazed)
C12-1	2	18-35	10R 3/6	DK YL BR	SI CL	NCM; dense, compact soil
C12-6	1	0-25	10YR 3/3	DK BR	CL SI	NCM; rocks
C12-6	2	25-35	GLEY2 7/1	LT BL GR		NCM; rocks
C12-6	3	35-45	5YR 4/6	YL RD	SI	NCM; rock impasse at 45 cm
C12-7	1	0-30	7.5YR 3/3	DK BR	CL	NCM; rock impasse at 30 cm
C13-1	1	0-20	7.5YR 3/2	DK BR	SI CL	glass, shell, clay
C13-1	2	20-42	5YR 4/4	RD BR	SI CL	NCM
C13-6	1	0-30	10YR 4/3	BR	SI LO	brick, glass at 20 cm; concrete impasse at 30 cm
C13-7	1	0-14	7.5YR 4/3	BR	SA LO	glass
C13-7	2	14-24	7.5YR 4/4	BR	CL LO	charred material, brick
C14-1	1	0-35	7.5YR 5/6	STRONG BR	CL	NCM
C14-6	1	0-10	10YR 4/4	DK BR	SA SI	tile, asphalt
C14-6	2	10-40	10YR 5/4	DK YL BR	SA SI	asphalt impasse at 40 cm
C14-7	1	0-37	7.5YR 4/4	BR	SI LO	Styrofoam, glass at 25 cm
C15-2	1	0-20	10YR 4/4	BR	SA SI	NCM; rock and root impasse at 20 cm
C15-3	1	0-20	7.5YR 4/3	BR	SA LO	ceramic drainage tiles at 8 cm
C15-3	2	20-50	7.5YR 4/6	STRONG BR	SA LO	ceramic at 27 cm
C15-4	1	0-20	10YR 4/4	BR	SA SI	rocks, concrete, glass; rock and root impasse at 20 cm
C15-5	1	0-22	7.5YR 4/3	BR	SA LO	glass at 22 cm

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
C15-5	2	22-32	7.5YR 4/4	BR	SI CL	NCM
C15-6	1	0-42	7.5YR 4/3	BR	SA LO	stoneware, glass, aluminum foil at 32 cm
C15-7	1	0-20	10YR 4/4	DK BR	CL SA SI	surface debris (concrete and stone); rock and root impasse at 20 cm
C15-E1	1	0-14	7.5YR 3/2	DK BR	SA LO	NCM
C15-E1	2	14-36	7.5YR 4/4	BR	SI CL	ceramic, glass, plastic
C15-E2						not excavated due to disturbance (fill)
C16-1	1	0-30	7.5YR 4/4	BR	SI SA	unglazed flower pot base at 8 cm; unglazed red ware at 20 cm; rock impasse at 30 cm
C16-2	1	0-26	7.5YR 3/2	DK BR	SI LO	NCM
C16-2	2	26-40	5YR 4/4	RD BR	CL	Styrofoam, tile at 30 cm
C16-3	1	0-25	7.5YR 4/4	BR	SA LO	brick, glass, ceramic; rock impasse at 25 cm
C16-4	1	0-10	7.5YR 4/4	BR	SA LO	bottle glass
C16-4	2	10-25	7.5YR 3/4	LT BR	SA LO	bottle glass; rock and root impasse at 25 cm
C16-5	1	0-35	7.5YR 4/3	BR	SA LO	melted glass fragment at 30 cm
C16-5	2	35-60	7.5YR 4/6	STRONG BR	SA LO	NCM
C16-7	1	0-45	7.5YR 3/3	DK BR	SI LO	glass, fill at 0-15 cm
C16-8	1	0-17	7.5YR 3/3	DK BR	SI LO	glass, ceramic, brick at 17 cm
C16-8	2	17-52	7.5YR 3/3, 4/4	DK BR, BR	SA CL	ceramic, glass
C16-E1	1	0-30	10YR 4/4	BR	SI SA	plate glass, burnt wood fragments, plastic; brick, cut stone at 30 cm; impasse at 30 cm due to dense fill material
C16-E2						not excavated due to disturbance (fill); stone piles; bulldozed clearing; modern debris on surface
C17-1	1	0-17	10YR 4/3	BR	CL SI LO	NCM
C17-1	2	17-30	10YR 4/3, 5YR 4/4	BR, RD BR	CL SI LO	glass, metal spike, brick, white tile at 20 cm
C17-1	3	30-55	10YR 4/8	DK BR	CL SI LO	glass, white tile, brick, burnt material at 35 cm
C17-2	1	0-19	7.5YR 4/3	BR	SI LO	glass, plastic, metal, Styrofoam
C17-2	2	19-49	7.5YR 4/4	BR	CL LO	glass, tile, charcoal
Crescent Beach Pond 4						
C27-1	1	0-15	7.5YR 5/3	BR	SA LO	NCM
C27-1	2	15-26	7.5YR 4/2	BR	SA LO	NCM
C27-1	3	26-38	7.5YR 3/3	DK BR	SA CL	NCM
C27-2	1	0-35	7.5YR 4/3, 5YR 3/4	BR, DK RD BR	SA CL	NCM; rock impasse at 35 cm
C28-1	1	0-9	7.5YR 2.5/2	V DK BR	SI LO	NCM
C28-1	2	9-12	10YR 4/1	DK GR	SI LO	NCM; gravel
C28-1	3	12-40	7.5YR 4/3	BR	CL LO	NCM
C28-2	1	0-23	7.5YR 5/4	BR	SI LO	NCM; water seepage at 23 cm; 7.5 m interval
C29-1	1	0-15	7.5YR 2.5/1	BL	LO	NCM
C29-1	2	15-20	10YR 4/1	DK GR	SI LO	modern trash pile; gravel; STP next to paved road; gravel impasse at 20 cm
C29-2	1	0-20	10YR 4/4	BR	SA SI	NCM; water seepage at 14 cm; rock impasse at 20 cm
C30-1	1	0-12	7.5YR 4/3	BR	SA LO	asphalt; rock impasse at 12 cm
C30-2	1	0-40	5YR 4/4	RD BR	SI	NCM
C31-1	1	0-56	7.5YR 5/4	BR	SA LO	glass, nail, plastic at 30 cm
C31-2	1	0-27	7.5YR 4/4	BR	SI LO	brick; water seepage at 17 cm; STP in wetlands
C32-1	1	0-30	7.5YR 3/2	DK BR	CL LO	glass, nail at 20 cm
C32-1	2	30-50	7.5YR 4/6	STRONG BR	CL LO	NCM
C32-2	1	0-20	10YR 4/4	BR	SA SI CL	NCM; root impasse at 20 cm
C33-1	1	0-20	7.5YR 3/1	DK BR	SI CL	metal, glass at 8 cm; modern surface debris

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
C33-1	2	20-30	10YR 4/1	DK GR	SI LO	NCM; gravel
C33-1	3	30-55	7.5YR 5/2	BR	SI CL	brick, glass at 35 cm; glass, nails (some tied together with string) at 50 cm
C33-1	4	55-75	5YR 3/3	DK RD BR	SI CL	brick, glass, nail at 60 cm
C33-2						not excavated due to wetland; 7.5 m interval
C33-3, 7.5m east	1	0-20	7.5YR 5/4	BR	SI	NCM; water seepage at 20 cm
C34	1	0-26	7.5YR 3/3	DK BR	SA LO	NCM
C34-2, 7.5m east	1	0-25	10YR 4/3	DK GR BR	SA SI	plastic, metal fence post top; rock impasse at 25 cm
C34-3	1	0-20	7.5YR 3/4	DK BR	SA CL	NCM; water seepage at 20 cm; 7.5 m interval
C35	1	0-20	10YR 3/1	V DK BR	SI SA	gravel fill, coke bottle bottom, plastic candy wrapper
C35	2	20-45	5YR 4/4	RD BR	SA SI	asphalt; rock impasse at 45 cm
C35-2	1	0-25	7.5YR 4/4	BR	SI SA	NCM
C35-3, 7.5m east	1	0-28	10YR 4/4	BR	SA SI CL	asphalt fill; rock impasse at 28 cm
C36-1	1	0-20	10YR 2/1	BL	SA SI	concrete impasse at 20 cm
C36-2	1	0-30	7.5YR 4/4	BR	SI LO	NCM
C36-2	2	30-41	7.5YR 3/4	DK BR	SA LO	possibly disturbed soil (fill from playground construction)
C36-3	1	0-25	10YR 2/1	BL	SI LO	NCM
C36-3	2	25-40	7.5YR 3/3	DK BR	SI LO	brick, glass, wood fragment at 35 cm
C36-3	3	40-60	7.5YR 4/4	BR	SA CL	glass at 50 cm
C36-4	1	0-12	7.5YR 5/4	BR	SA	glass at 12 cm
C36-4	2	12-38	7.5YR 4/4	BR	SA	glass, tin
C37-1	1	0-35	10YR 3/1	BR	SI CL LO	NCM; rock impasse at 35 cm; possible fill
C37-2	1	0-50	7.5YR 4/4	BR	SA LO	NCM
C37-3	1	0-14	7.5YR 4/3	BR	SA	high concentration of broken glass
C37-3	2	14-34	7.5YR 4/4	BR	SI LO	glass at 14-24 cm (collected sample)
C38-1	1	0-8	7.5YR 3/2	DK BR	SI LO	NCM
C38-1	2	8-18	7.5YR 3/3	DK BR	CL LO	NCM
C38-1	3	18-30	7.5YR 4/4	BR	SA LO	NCM
C38-2	1	0-10	7.5YR 2.5/1	BL	SI LO	NCM
C38-2	2	10-40	7.5YR 3/3	DK BR	SA LO	shell, glass at 30 cm; rock impasse at 40 cm
C38-3	1	0-37	7.5YR 4/4	BR	SA LO	glass, shell; impasse at 37 cm due to asphalt chunks (possibly fill from playground)
C39-1	1	0-6	7.5YR 3/3	DK BR	SA LO	NCM
C39-1	2	6-9	7.5YR 5/6	STRONG BR	SA LO	NCM
C39-1	3	9-29	7.5YR 3/2	DK BR	SA LO	glass, shell at 9-19 cm
C39-2	1	0-32	7.5YR 4/4	BR	SA	glass, bone at 32 cm
C39-2	2	32-42	7.5YR 6/4	LT BR	SA	NCM
C39-3	1	0-75	10YR 5/6	YL BR	SA	NCM
C40-1	1	0-10	5YR 5/3	RD BR	SI SA	NCM
C40-1	2	10-15	5YR 8/3	PI	SI SA	NCM
C40-1	3	15-57	7.5YR 5/6	STRONG BR	SI SA	NCM
C40-2	1	0-20	10YR 5/6	LT YL BR	SI SA	electrical tape, milled wood fragment at 50 cm
C40-2	2	20-80	10YR 4/4	BR	SI SA	brick, flat clear glass, plastic bottle cap liner at 70 cm
C40-3	1	0-90	10YR 5/6	LT YL BR	SA	plastic, cellophane, clear bottle glass at 50 cm; bottle glass at 80 cm
C41-1	1	0-63	7.5YR 5/4	BR	SA LO	shell, glass, metal at 50 cm
C41-2	1	0-70	10YR 5/6	BR	SA	plastic at 50 cm; push piles on surface
C41-3	1	0-75	10YR 5/6	BR	SA	NCM
Crescent Beach Glover Street						
C54	1	0-16	7.5YR 4/4	BR	SI LO	NCM

Shovel Test Log for Staten Island, South Shore, Phase I

Shovel Test	Stratum	Depth (cm)	Munsell	Soil Color	Soil Description	Comments
C54	2	16-47	7.5YR 5/4	BR	SI CL	NCM; water seepage at 47 cm
C55	1	0-30	7.5YR 3/2	DK BR	SI LO	shell, pottery, modern debris
C55	2	30-50	7.5YR 4/3	BR	SI LO	NCM
C56	1	0-45	7.5YR 3/2	DK BR	SI CL	NCM
C56	2	45-50	7.5YR 4/6	STRONG BR	SI CL	NCM
C57	1	0-40	7.5YR 4/3	BR	SI LO	glass at 32 cm
C57	2	40-45	7.5YR 6/4	LT BR	SI CL	NCM
C58	1	0-5	10YR 3/1	DK GR	SA SI	NCM; root impasse at 5 cm
C59	1	0-14	7.5YR 4/4	BR	SA LO	bottle caps, glass, paper
C59	2	14-54	7.5YR 5/4	BR	SI LO	NCM
C60	1	0-25	7.5YR 3/2	DK BR	SI CL	glass at 10 cm
C60	2	25-40	7.5YR 4/3	BR	SA CL	NCM
C61	1	0-20	10YR 3/2	BR	SI SA	plastic, brick, cardboard
C62	1	0-25	7.5YR 4/3	BR	SI LO	bone, glass
C62	2	25-40	7.5YR 6/4	LT BR	SI LO	NCM; STP moved 30 m due to pavement
C63	1	0-28	7.5YR 4/2	DK BR	SI LO	NCM
C63	2	28-43	7.5YR 4/4	STRONG BR	SI LO	NCM
C64	1	0-4	7.5YR 4/3	BR	SA LO	electric wire impasse at 4 cm
C65	1	0-21	7.5YR 3/4	BR	SA LO	brick, glass, shell at 21 cm
C65	2	21-31	7.5YR 5/6	STRONG BR	SI CL	NCM
C66	1	0-22	7.5YR 4/3	BR	SA LO	NCM; rock impasse at 22 cm
C67	1	0-31	7.5YR 5/4	BR	SI CL	plastic; rock impasse at 31 cm; STP moved 30 m due to pavement
C68	1	0-13	7.5YR 4/3	BR	SI LO	bone, glass, pottery at 10 cm
C68	2	13-32	7.5YR 4/4	BR	SI	NCM; water seepage at 28 cm
C70						not excavated due to concrete pavement

Appendix B
ARTIFACT CATALOG

Table B1. Study Area A Ceramics: Redware and Pearlware

		Redware Coarse Earthenware					Pearlwares			
STP	**Stratum**	**Unglazed**		**Glazed**		**Coarse Earthenware Total**	**Plain**	**Decorated**		**Pearlware Total**
		count	**comment**	**count**	**comment**	**count**	**count**	**count**	**comment**	**count**
51		1				1				0
		1		**0**		**1**	**0**	**0**		**0**
Boardwalk/Promenade Total		**1**		**0**		**1**	**0**	**0**		**0**
177	1	1	flower pot fragment, terra cotta			1				0
227	1	1	terra cotta, flower pot fragment			1				0
233	1					0	1			1
South Boulevard Ballfield/ Picnic/Parking Total		**2**		**0**		**2**	**1**	**0**		**1**
319, 10ft S	1			1	polychrome decoration on white glaze, hard paste, possible 20th C decorative planter or plate	1				0
331	3	1	flower pot rim			1				0
Boulevard Open Parkland 2 Total		**1**		**1**		**2**	**0**	**0**		**0**
372, 5ft N	3	1	flower pot			1				0
372, 5ft N	3	1	flower pot			1				0
383	1					0		1	mocha decoration, 1795-1840 (Miller 1991a: 7)	1
415	1	1	polished			1				0
421	1			1	lead-glazed	1				0
North Boulevard Recreational/ Parking/Road Total		**3**		**1**		**4**	**0**	**1**		**1**
Boulevard non-Open Parkland Total		**5**		**1**		**6**	**1**	**1**		**2**
Open Parkland Total		**1**		**1**		**2**	**0**	**0**		**0**
Study Area A Ceramics Total		**7**		**2**		**9**	**1**	**1**		**2**

Table B2. Study Area A Ceramics: Whitewares

STP	Stratum	Plain		Decorated		Transferprint		Handpainted		Whiteware Total
		count	comment	count	comment	count	comment	count	comment	count
Study Area A Ceramics										
465a	2	1								1
477a	2					1	blue decoration			1
485a	1	1	partially exfoliated							1
485a, 4m S 4m E	2	1								1
486a	2	2								2
486a, 4m E	2	1								1
486a, 7.5m W	2	1								1
486a, 4m N	1			1	yellow glaze with black glaze pattern					1
487a	3	1	1 partial maker's mark, "…D…", "1851"							1
487a	3	1								1
494a	2	1								1
Landside Promenade Total		**10**		**1**		**1**		**0**		**12**
Boardwalk/Promenade Total		**10**		**1**		**1**		**0**		**12**
183, 0m N, 4m N	1			1	unidentified, blue					1
185	1	1								1
194, E radial		1								1
197, 10ft S radial	1					1	blue			1
197, E radial				1	tableware, est. 20th c., polychrome decoration, brown stripe edge, green leaf, possibly decal applied					1
197, 10ft W radial	1	1								1
198, S radial	1					1	brown decoration, late period, stippled, est. 20th c.			1
203, 7.5m E radial	1	1								1
203, 7.5m E, 6m S	1					1	plate or saucer, blue decoration			1
211, 5ft N radial	1	1								1
219, 5ft N radial	1	1								1
225	1					1	blue decoration			1
233	1					1	teal decoration			1
234	1	1								1
251	1	1								1

Table B2. Study Area A Ceramics: Whitewares

STP	Stratum	Plain		Decorated		Transferprint		Handpainted		Whiteware Total
		count	comment	count	comment	count	comment	count	comment	count
South Boulevard Ballfield/Picnic/Parking Total		**8**		**2**		**5**		**0**		**15**
313	2					1	blue decoration			1
Boulevard New Parking Total		**0**		**0**		**1**		**0**		**1**
371	3	1	possible serving vessel							1
372	2	1								1
376	2					2	printed on both sides, scallped edge present, possible small dish or			2
380	2					2	possible platter, blue decoration, both sides, oval shape, floral motif			2
382, 10ft W	2	1								1
387	1	1	possible saucer							1
398	1	1	plate		10" dia					1
399	1	1								1
400, 10ft W	2					1	possible cup, blue transfer on int and ext			1
401	1							1	polychrome floral	1
409	1					1	blue transfer			1
413	2	1								1
414	2	2	partially exfoliated							2
414, 4ft S	2	1		1	buff body, painted blue					2
415	1	1	partially exfoliated							1
415	2	1								1
417, N radial	1	1		1	yellow/white glaze					2
418	2					2	blue decoration			2
418, 4m W	2	1								1
418, 7.5m W	2	2								2
421	1	2								2
440	2	1								1
North Boulevard Recreational/Parking/ Road Total		**19**		**2**		**8**		**1**		**30**
Boulevard non-Open Parkland Total		**27**		**4**		**14**		**1**		**46**
Study Area A Ceramics Total		**37**		**5**		**15**		**1**		**58**

Table B3. Study Area A Ceramics: Ironstones

STP	Stratum	Plain		Decorated		Transferprint		Ironstone Total
		count	comment	count	comment	count	comment	count
484a	3	1	green glaze, rounded					1
Landside Promenade Total		**1**		**0**		**0**		**1**
Boardwalk/Promenade Total		**1**		**0**		**0**		**1**
176, 0m N, 4m W	2	1						1
184 0m N, 4m W	1	1						1
187		2		1	cobalt sponge decoration, Miller dates "cut-sponge stamped wares 1845-1930", same time frame as ironstone (Miller 2000)			3
197, 10ft S radial	1					1	blue	1
198, 10ft E radial	1	1						1
202, 7.5m W, 6m S	1	2	plate					2
202, 7.5m W, 6m S	2	1						1
203, 7.5m E, 6m S	2	1						1
211	2					1	blue decoration, both sides, floral pattern, teacup	1
224	1	1						1
227	1	2						2
230	1	1						1
233	1	1						1
250	1	1						1
250, 7.5m N	2	1	clear/white glaze					1
South Boulevard Ballfield/Picnic/Parking Total		**16**		**1**		**2**		**19**
307	2	1						1
Boulevard New Parking Total		**1**		**0**		**0**		**1**
334	1	1						1

Table B3. Study Area A Ceramics: Ironstones

STP	Stratum	Plain		Decorated		Transferprint		Ironstone Total
		count	comment	count	comment	count	comment	count
Boulevard Open Parkland 2 Total		**1**		**0**		**0**		**1**
375	2	7	partial green maker's mark, flat base, "…WOOD-6", "…GEORGE", "…113C", "…E IN U.S.A.", unidentified					7
376, 5ft W	2	1	5 dia, possible cup					1
376, 5ft W	4	1						1
378	2	1	10 dia x .626 l, plate					1
393	1	1	tableware					1
398	1	1	clear glaze					1
398	2	1						1
399	1	4	1 possible pitcher					4
405	2	1						1
413	2	1	low-fired, green					1
414	2	1	gray glaze					1
414, 10ft N	1	4	all pieces: blue glaze					4
415, 4m N	1	2	blue glaze					2
416	3	11	3 yellow glaze; 2 pink glaze; 1 red glaze; 1 green glaze; 2 gray glaze					11
416, 4m W	1	1						1
418, 4m W	2	1						1
426, 4.5m E		1	burnt					1
440	2	3						3
North Boulevard Recreational/Parking/ Road Total		**43**		**0**		**0**		**43**
470, 4m N	3	1						1
Sea View Avenue Total		**1**		**0**		**0**		**1**
Boulevard non-Open Parkland Total		**60**		**1**		**2**		**63**
Open Parkland Total		**1**		**0**		**0**		**1**
Study Area A Ceramics Total		**63**		**1**		**2**		**66**

Table B4. Study Area A Ceramics: Yelloware, Porcelain, and Semi-Porcelain

		Yelloware			Porcelains				
				Yelloware Total	Semi Plain		Semi Decorated		Porcelain Total
STP	Stratum	count	comment	count	count	comment	count	comment	count
3				0	1	not round			1
Buried Seawall Total		**0**		**0**	**1**		**0**		**1**
481a, 4m W	1	1		1					0
484a, 4m W	3			0	3	insulator fragments			3
Landside Promenade Total		**1**		**1**	**3**		**0**		**3**
Boardwalk/Promenade Total		**1**		**1**	**4**		**0**		**4**
194, W radial				0	1				1
197, 10ft S radial	1	1	Rockingham type glaze	1	1	clear/white glaze			1
202, 7.5m E radial	1			0			1	monochrome, brown, stripped rim under glaze, 1/4 thk, possible	1
202, 7.5m W, 6m S	1			0	1				1
220, 10ft S radial	2			0	1				1
233	1			0	1				1
South Boulevard Ballfield/Picnic/Parking Total		**1**		**1**	**5**		**1**		**6**
319, 10ft S	1			0			1	Decalcomania, (on Ironstone-1890+)	1
331	3			0	1	bathroom fixture, thick walled			1
Boulevard Open Parkland 2 Total		**0**		**0**			**1**		**2**

Table B4. Study Area A Ceramics: Yelloware, Porcelain, and Semi-Porcelain

		Yelloware			Porcelains				
				Yelloware Total	Semi Plain		Semi Decorated		Porcelain Total
STP	Stratum	count	comment	count	count	comment	count	comment	count
370	1			0	2	1 bar-type insulator; 1 handle fragment, from possible pitcher			2
383	1			0	1	white body, clear glaze, curve surfaces, unidentified form			1
398	2	1	associated with	1					0
413	2			0			1	hand decorated, blue, yellow, brown glaze	1
418, 4m W	2			0	1	fragmented maker's mark: "China", "Hardart Co.", "Van Roden"			1
421	1	1		1					0
423				0	2	yellow tinted, possible plate			2
North Boulevard Recreational/Parking/Road Total		**2**		**2**	**6**		**1**		**7**
Boulevard non-Open Parkland Total		**3**		**3**	**11**		**2**		**13**
Open Parkland Total		**0**		**0**	**0**		**1**		**2**
Study Area A Ceramics Total		**4**		**4**	**15**		**3**		**19**

Table B5. Study Area A Ceramics: Stonewares, Milk Glass, and Tobacco Pipes

		Stonewares					Milk Glass			Pipe							Other		
STP	**Stratum**	**Salt glazed**		**Plain**		**Stoneware Total**	**Milk Glass**		**Milk Glass Total**	**Pipe Bowls**		**Pipe Steam**			**Pipe Bowl Total**			**Other Total**
		count	**comment**	**count**	**comment**	**count**	**count**	**comment**	**count**	**count**	**size**	**count**	**size**	**comment**	**count**	**count**	**comment**	**count**
70	2					0	4		4						0			0
Boardwalk 100 Foot Interval Total		**0**		**0**		**0**	**4**		**4**	**0**		**0**			**0**	**0**		0
475a, 4m E	1\2			1	buff body, gray glazed	1			0						0			0
484a	1	1	gray body, pottery jug/bottle fragment, salt glaze ext, brown glaze int			1			0						0			0
486a, 7.5m E	2			1	amber glaze, possible jug/bowl	1			0						0			0
Landside Promenade Total		**1**		**2**		**3**	**0**		**0**	**0**		**0**			**0**	**0**		**0**
Boardwalk/ Promenade Total		**1**		**2**		**3**	**4**		**4**	**0**		**0**			**0**	**0**		**0**
195, W radial	1					0	1		1						0			0
196, E radial	2					0			0						0	1	undifferentiated ceramic, appears burnt, no glaze, gray; .10 thk x 1 l	1
197, 10ft S radial	1					0	1		1						0	1	unidentified material, fine grained possible porcelain/stoneware, red-brown color, possibily natural	1
197, E radial				1	Albany type slip, brown, buff body, 1/2 thk	1			0						0			0
197, W radial	1					0	1		1						0			0
198	1					0	1		1						0			0
206, 20ft S radial	1					0			0						0	1	burnt ceramic, undifferentiated material	1
211	1					0			0	1				kaolin, vertical embossed linear design	1			0
215, 5ft N radial	1					0	1		1						0			0

Table B5. Study Area A Ceramics: Stonewares, Milk Glass, and Tobacco Pipes

		Stonewares					Milk Glass			Pipe							Other		
STP	Stratum	Salt glazed		Plain		Stoneware Total	Milk Glass		Milk Glass Total	Pipe Bowls		Pipe Steam			Pipe Bowl Total				Other Total
		count	comment	count	comment	count	count	comment	count	count	size	count	size	comment	count	count	comment		count
243	2					0	2	part of a posible seal	2						0				0
South Boulevard Ballfield/Picnic/ Parking Total		**0**		**1**		**1**	**7**		**7**	**1**		**0**			**1**	**3**			**3**
319, 10ft S	1					0	2	popular 1880-1930s	2						0				0
Boulevard Open Parkland 2 Total		**0**		**0**		**0**	**2**		**2**	**0**		**0**			**0**	**0**			**0**
372	2	1	large, thick walled, bottle neck			1			0						0				0
375	2	1	buff-pink body, jackfield type glaze exterior, gray salt glaze interior (Jackfield often found on teapots)	1	gray body, alkaline (brown) exterior, yellow alkaline glazed interior, possible tankard fragment due to thin wall, .094 thk	2			0						0				0
389		1	buff body, Albany type int glaze, clear salt ext			1			0						0				0
393	1					0			0						0				0
396	1	1	buff-pink body, Albany-type int slip, gray salt-glaze ext			1			0						0				0
399	1					0			0						0	1	creamware, undecorated		1
405	2	1	buff body, Albany-type slip int, tan salt glazed ext.			1			0						0				0
426, 4.5m E						0			0						0	2	unidentifiable, possible mold for metal working or a refuse piece burned many times in a kiln		2

Table B5. Study Area A Ceramics: Stonewares, Milk Glass, and Tobacco Pipes

		Stonewares					Milk Glass			Pipe							Other		
STP	Stratum	Salt glazed		Plain		Stoneware Total	Milk Glass		Milk Glass Total	Pipe Bowls		Pipe Steam			Pipe Bowl Total				Other Total
		count	comment	count	comment	count	count	comment	count	count	size	count	size	comment	count	count	comment		count
439	2			1	red body, lead glazing, rounded	1			0						0				0
North Boulevard Recreational/ Parking/Road Total		**5**		**2**		**7**	**0**		**0**	**0**		**0**			**0**	**3**			**3**
Boulevard non-Open Parkland Total		**5**		**3**		**8**	**7**		**7**	**1**		**0**			**1**	**6**			**6**
Open Parkland Total		**0**		**0**		**0**	**2**		**2**	**0**		**0**			**0**	**0**			**0**
Study Area A Ceramics Total		**6**		**5**		**11**	**13**		**13**	**1**		**0**			**1**	**6**			**6**

Table B6. Study Area A Glass: Clear

STP	Stratum	curved count	flat count	rim count	size	type	date or mark	base count	size	type	date or mark	Comment	Clear Total count
	1	1	3									2 flat pieces are clear safety glass ca. 1915+ (Miller 2000: 9)	4
1 through 4a	1		1										1
Buried Seawall Total		**1**	**4**	**0**				**0**					**5**
5	1	10											10
12	1	3											3
14		2											2
16	1	2											2
17	1	1		1		Bottleneck, twist-cap metal (A1)	cup seal present; post 1919 (Miller 2002:2); alcoholic beverage bottle						2
23	1	2											2
25		2											2
27	1	2											2
29	1	1										beer bottle, screened label, black and white "brewed and…", "12 FL.";	1
36	1	3											3
39	1	1											1
41	1	2											2
47	2	1	6									1 flat: "frosted" via ablation; 1 vessel: stem or ornament, .07 dia hole	7
50	1	2											2
51								2				modern beverage	2
54	2	3											3
55	1	1											1
56	1			1		bottle neck, twist top	post 1919 (Miller 2000: 2)						1
57		1											1
60	1	1											1
Boardwalk 50 Foot Interval Total		**40**	**6**	**2**				**2**					**50**
67	1	2										1 screened label, white and navy blue	2
68	1	1											1
70	2	2											2
89	1							1				modern beverage bottle	1
92	1	1										bottle shard, embossed	1

Table B6. Study Area A Glass: Clear

STP	Stratum	curved count	flat count	rim count	size	type	date or mark	base count	size	type	date or mark	Comment	Clear Total count
103	1	1											1
109		2						1		partial bottle base			3
111	1	2											2
134	1	2											2
155	1	2						1		modern beverage bottle fragment			3
159	1			1		small mouthed bottle with twist cap neck	1919+ (Miller 2000:2)						1
Boardwalk 100 Foot Interval Total		**15**	**0**	**1**				**3**					**19**
467a	1	1											1
471a, 4m S	4	1	1										2
472a, 6m N 4m E	1	1										embossed "BA"	1
473a, 4m W	2	1											1
473a, 4m S	2	2											2
477a	2		1										1
481a	2	4	1									1 patina, 1 flat is safety glass	5
481a, 4m W	3	1											1
481a, 4m S	2		1									ribbed, pressed	1
482a	3		1										1
483a	1	1											1
483a, 4m S	2	2	1										3
484a, 7.5m W	1	7											7
484a, 7.5m E	2	1											1
485a	1	1		1		bottle							2
485a, 4m E	1	1											1
486a, 4m E	2	1										translucent	1
486a, 7.5m W	2	1											1
487a	2	1											1
487a	3	1											1
489a	1		5										5
489a	2	1											1
490a	1	4											4
493a	2		1										1
500a	1	1											1
Landside Promenade Total		**34**	**12**	**1**				**0**					**47**

Table B6. Study Area A Glass: Clear

STP	Stratum	curved count	flat count	rim count	size	type	date or mark	base count	size	type	date or mark	Comment	Clear Total count
Boardwalk/ Promenade Total		**90**	**22**	**4**				**5**					**121**
167, 4m N	2		12									safety glass, ca. 1915+ (Miller 2000: 9)	12
168, 0m N, 4m E	2	1											1
170, 0m N, 4m E		2											2
173	1	1											1
176, 0m N, 4m E		2											2
176, 0m N, 4m W	2	1											1
177	2	1											1
179		4										1 melted	4
180	2	2											2
183	1	1											1
183, 0m N, 4m N	1	2											2
183, 0m N, 4m E	2							3		possible patent or drugstore	embossed large letter: "D'S", late 19th-early 20th c		3
186	1	1											1
187		2						1	2.5 dia			1 curved "waffle" pattern, pressed or molded	3
194, S radial		2											2
194, S radial		2											2
194, W radial		1										20th c., embossed "mocha"-type design on one (external) side	1
195	1		1										1
195, S radial	1		1										1
195, E radial	1	13	1	1		screw bottle lip, mold line over lip	1919+ (Miller 2000: 2)					3 curved: melted	15
196	1	1											1
196, S radial	1		2					1	2 dia	possible bottle, faint "E" embossed	20th c. machine made		3
196, E radial	1	3	1										4
196, W radial	1	2	2										4
197, 10ft S radial	1	1	3									1 flat: pressed glass, snowflake pattern	4
197, E radial		4	4										8

Table B6. Study Area A Glass: Clear

STP	Stratum	curved count	flat count	rim count	size	type	date or mark	base count	size	type	date or mark	Comment	Clear Total count
197, 10ft W radial	1	6										1 melted	6
197, W radial	1	2	2										4
198	1	2	1										3
198, 10ft E radial	1	1	2										3
198, S radial	1	4											4
201	1	1											1
201, 7.5 E radial		2											2
202		1											1
202	1	3	1									1 curved: container, pressed pattern 'starburst'	4
202, 7.5m E radial	1	4	1										5
202, 7.5m W, 6m S	1	2		1		lip with continuous thread finish, post 1919 (Miller 2000:2)						1 curved: embossed angular lines	3
203	1		1					1			1 curved bottle, stippled, modern	1 flat: semi-opaque privacy glass (clear glass with opaque coating on one side)	2
203, 7.5m E radial	1	3	2	1	2 dia	lip with continuous thread finish	post 1919 (Miller 2000: 2)						6
203, 7.5m E radial	2	1										2 convex panels	1
203, 7.5m E, 6m S	1	2	2									1 flat: possible privacy glass, textured surface on both sides	4
204	1	2										same bottle, mending shoulder fragments, stippled, embossed "…ERICA", modern	2
204	2	1										container, 2.5 OD	1
206, 20ft S radial	1	3										2 5/16 thk, embossed linear design	3
211	1	1											1
211	2	2						1		8 panel fluted tumber	est. post 1850s (McKee Glass ads for similar ware, started 1853)		3

Table B6. Study Area A Glass: Clear

STP	Stratum	curved count	flat count	rim count	size	type	date or mark	base count	size	type	date or mark	Comment	Clear Total count
215	2	8										1 embossed "RT" with 2 vertical lines; 5 paneled bottle?	8
211, 5ft N radial	1	2										bottle, embossed "NO--", ..LL.."	2
215, 5ft N radial	1	1											1
215. 5ft N radial	2	1											1
216	2	1										sun-colored amethyst, .2" thk	1
217	2	1											1
219	1	3											3
220	1	1											1
224	1	2											2
225	1	1											1
227	1		1										1
229	2	2											2
233	1			1		milk bottle lip	ca. 1880-1940 (Munsey 1970:192)						1
234	1		2									1 window glass; 1 lamp glass	2
237	1	2						1		tumbler		8 panels (octagonal)	3
242	1		1										1
244	1							1			maker's mark		1
247	1	1		1		bottle							2
248	2		1										1
250 N st	2	4											4
250, 7.5m N	2	1										embossed design, bottle, 20th Century	1
South Boulevard Ballfield/Picnic/ Parking Total		**123**	**44**	**5**				**9**					**181**
254	2	2											2
256	3		1										1

Table B6. Study Area A Glass: Clear

STP	Stratum	curved count	flat count	rim count	size	type	date or mark	base count	size	type	date or mark	Comment	Clear Total count
256, 0m E 4m S	2	14		1				3				MNI=4; 7 curved: Pepsi-cola bottle, red lettering on white oval, earlier version of this logo introduced in 1906, this bottle is modern; 11 curved: bottle glass, white writing on blue field, "CALIFORNIA", applied color label on bottles introduced 1935	18
266	1	5											5
266	3	1											1
274	1	2										Pepsi-cola bottle, 12 oz; raised lettering "Pepsi-Cola", 1940s-1950s.	2
287, 10ft E	2	22		1			threaded lip, 1967+	1					24
295, 10ft W	2	1											1
296	2	2											2
300	3	1											1
303	1	2											2
Boulevard Open Parkland 1 Total		**52**	**1**	**2**				**4**					**59**
307	2	2										1 raised lettering, bottle glass	2
307, 0m N 4m W	2	1											1
307, 4m S 0m E	2	1										modern	1
308	2	1											1
313	2	3						1		bottle	raised lettering		4
Boulevard New Parking Total		**8**	**0**	**0**				**1**					**9**
319	1	1										bottle, "NO D", post 1960's	1
319, 10ft S	1	4		1	15 quartz	bottleneck fragment, screw type, possible alcohol bottle	base is stippled with mark: Owens-Illinois Glass Co., 1929-1954 (Louis Berger & Associates 1996)						5
324	1	1										modern	1
329	2	2											2
330	1	1											1
330	2	2	1										3

Table B6. Study Area A Glass: Clear

STP	Stratum	curved count	flat count	rim count	size	type	date or mark	base count	size	type	date or mark	Comment	Clear Total count
330, 0m N 4m E	1	2		1		liquor bottle, continuous thread, with plastic cap	post 1967	1		ridged foot			4
331	3	2	2										4
331, 10ft N	2	1	1										2
331, 10ft S	2	1											1
331, 10ft S	3		1									green painted line	1
332	1	1										paneled bottle fragments	1
332, 4m W	3	2	2										4
334	1	1											1
336	1	1											1
337	2	1											1
342	2	1											1
343	2	1											1
343, 0m N 4m E	2	3										1 gray paint	3
343, 4m E	2		1										1
352	2	1											1
362	1		1										1
366	2	1											1
Boulevard Open Parkland 2 Total		**30**	**9**	**2**				**1**					**42**
372	2	1	5									1 flat: thick walled with horizontal lines; 1 flat: white paint surface	6
372	2		2					1	1.75 dia	bottle or jar		2 flat: white paint on one side	3
372	3c			2	thin-walled	posible cup							2
372, 5ft N	2		3										3
372, 5ft N	3		1										1
372, 5ft N	3		1										1
372, 5ft N	3	1	1	1		with corroded cap						1 flat: white paint on one surface	3
373	1		2										2
375	2	3	1									1 curved: paneled and conical shaped with mold line	4
376	2		1										1
376, 5ft W	3	1										possible paneled tumbler, 3 dia x .25 thk	1

Table B6. Study Area A Glass: Clear

STP	Stratum	curved count	flat count	rim count	size	type	date or mark	base count	size	type	date or mark	Comment	Clear Total count
376, 5ft W	4	1											1
377	2	1										pressed glass, 12-point star design, 1850-present (www.oldandsold.com)	1
378	2	15		4	.19 thk	bottle, threaded lip, embossing, paneled	est. 20th c. due to clearness and sheen					1 curved: bottle, embossed "PINT", flask, oval, or kidney shaped suggested, 20th century	19
387	1	1										drinking glass fragment, 2.5 dia, possiboe tumbler, paneled base	1
389		1											1
398	1	7											7
399, 4m N	1	1											1
405	2	2						1	3 dia	stemmed glass base			3
407		2											2
408	1		1										1
410	1	2	1										3
413	1	9											9
413	2	2											2
414	2		1	1		bottle rim							2
414, 4ft S	2		3										3
414, 10ft N	1		2										2
414, 10ft N	2	2	7									1 curved: bottle, silk screen labled, 16oz. Possible Pepsi; 3 flat pieces are safety glass	9
415	2	1	3	1				1				1 flat is safety glass	6
415, 4m N	1	1	3										4
415, 4m N	2		1									1 flat is safety glass	1
416	1	1											1
416	3	2											2
418, 4m W	2	6											6
418, 7.5m W	2		3										3
418, 7.5m E	1		3										3
419	4?	3											3
426	3	1											1
426, 4.5m E			2										2
426, 10ft E	1		1										1
426, 10ft W	2		1										1

Table B6. Study Area A Glass: Clear

		curved	flat	rim				base					Clear Total
STP	Stratum	count	count	count	size	type	date or mark	count	size	type	date or mark	Comment	count
426, 7.5m S	1	1											1
432	1			1								rounded, molded, unidentifiable	1
433	2		5					1	3cm dia				6
439	2	2										molded	2
448	2	3		1		possible milk bottle, neck and lip		1	2.5cm dia			1 base: embossed "LOUIS BIRKLE", "REGISTERED", "CONTENTS 6 1/2 oz"; 2 curved: embossed design	5
North Boulevard Recreational/Parking/ Road Total		**73**	**54**	**11**				**5**					**143**
454	1	1		1		machine lip, Perry Davis style lip	post 1903						2
459	3		1										1
461	1	7										4 curved: embossed decorations	7
		8	**1**	**1**				**0**					**10**
465	2	1											1
467	2	1											1
468	2	1										ribbed molding	1
470, 4m N	3	1											1
471, 4m E		1											1
471, 4m S	1		1									pressed	1
472	4	1										embossed letters	1
472, 4m S	2	1											1
474	2	4											4
478, 4m W	1	1											1
482	1	2										embossed "OPERL"	2
482	2	1											1
500, 4m S	3							2			1971, stippled footrim		2
Sea View Avenue Total		**15**	**1**	**0**				**2**					**18**
Boulevard non-Open Parkland Total		**212**	**99**	**17**				**15**					**343**
Open Parkland Total		**82**	**10**	**4**				**5**					**101**
Study Area A Glass Total		**399**	**132**	**25**				**27**					**583**

Table B7. Study Area A Glass: Aqua and Light Green

STP	Stratum	Aqua							Aqua Total	Light Green					Light Green Total
		curved	flat	rim			base			curved	flat	base		Comment	
		count	count	count	size	type	count	comment	count	count	count	count	size		count
	1		3						3						0
1 through 4a	1	1	1						2						0
Buried Seawall Total		**1**	**4**	**0**			**0**		**5**	**0**	**0**	**0**			**0**
5	1								0		1			auto safety glass; modern	1
12	1								0		1			safety glass; modern	1
Boardwalk 50 Foot Interval Total		**0**	**0**	**0**			**0**		**0**	**0**	**2**	**0**			**2**
101	1								0	1				fluted fragment, unidentified, 1/4 thick	1
Boardwalk 100 Foot Interval Total		**0**	**0**	**0**			**0**		**0**	**1**	**0**	**0**			**1**
481a, 4m W	3		6						6						0
481a, 4m S	2		1						1						0
485a, 4m S	1		1						1						0
485a, 4m W	1		1						1						0
486a	3	1							1						0
487a	2	1							1						0
494a	2	1							1						0
Landside Promenade Total		**3**	**9**	**0**			**0**		**12**	**0**	**0**	**0**			**0**
Boardwalk/ Promenade Total		**4**	**13**	**0**			**0**		**17**	**1**	**2**	**0**			**3**
167	1		2						2						0
167, 4m N	2		2						2						0
170, 0m N, 4m E			1						1						0
176, 0m N, 4m E		1							1						0
177	1	1							1						0
178, 0m N, 4m E	2			1		crown bottle neck, possible soft drink, 1948+ (Miller 2000: 8), modern			1						0
183, 0m N, 4m N	1		2						2						0

Table B7. Study Area A Glass: Aqua and Light Green

STP	Stratum	Aqua							Aqua Total	Light Green					Light Green Total
		curved	flat	rim			base			curved	flat	base		Comment	
		count	count	count	size	type	count	comment	count	count	count	count	size		count
187		1						safety or Pyrex glass, introduced ca. 1915 (Miller 2000)	1						0
194, E radial		1							1						0
195, S radial	1		2						2						0
196, E radial	1								0	1					1
197, E radial		1							1						0
203, 7.5m E radial	1			1		beaded bottle neck fragment			1						0
211, 5ft N radial	2								0			1	3/16 thk	possible bottle base or insulator top	1
216	2								0	1				.2 thk	1
221	1		1						1						0
223	1		1						1						0
225	1	1						bottle, paneled-type form, late 19th-early 20th c.	1						0
250, 5ft N	3						1	bottle, raised lettering "AB", "x6"	1						0
South Boulevard Ballfield/ Picnic/Parking Total		**6**	**11**	**2**			**1**		**20**	**2**	**0**	**1**			**3**
306	2		1						1						0
Boulevard Open Parkland 1 Total		**0**	**1**	**0**			**0**		**1**	**0**	**0**	**0**			**0**
307, 4m S 0m E	2								0	1				modern	1
Boulevard New Parking Total		**0**	**0**	**0**			**0**		**0**	**1**	**0**	**0**			**1**
319, 10ft S	1		2						2						0
329	2								0		3				3
331, 10ft S	2		2						2						0
Boulevard Open Parkland 2 Total		**0**	**4**	**0**			**0**		**4**	**0**	**3**	**0**			**3**
370	1								0		1				1

Table B7. Study Area A Glass: Aqua and Light Green

STP	Stratum	Aqua							Aqua Total	Light Green					Light Green Total
		curved	flat	rim			base			curved	flat	base		Comment	
		count	count	count	size	type	count	comment	count	count	count	count	size		count
372, 10ft E	2								0		1				1
373	1		1						1						0
375	2	1						embossed vertical ribs	1						0
376, 5ft W	2	2						embossed curved sides, "…TE…", "…H…", mineral water bottle possibily ca. late 19th-early 20th c.	2						0
376, 5ft W	3		1						1						0
376, 5ft W	4		1						1						0
378	2								0		2			.25 thk	2
382, 10ft W	2		1						1						0
399	1		1						1						0
405	2		4						4						0
409	1	1							1						0
410	1						1	embossed "…TENTS S…", pale aqua	1						0
415, 4m N	2		4	1		bottle			5						0
416	3	1							1						0
416, 4m W	1	2							2						0
417, N radial	2		1						1						0
418, 4m W	2		2						2						0
418, 7.5m E	1		3						3						0
421	1		1						1						0
433	2		3						3						0
North Boulevard Recreational/Parking/ Road Total		**7**	**23**	**1**			**1**		**32**	**0**	**4**	**0**			**4**
459	3	1	1						2						0
461	1		2						2						0
		1	**3**	**0**			**0**		**4**	**0**	**0**	**0**			**0**
495	2	4					2	all pieces: bottle	6						0
Sea View Avenue Total		**4**	**0**	**0**			**2**		**6**	**0**	**0**	**0**			**0**
Boulevard non-Open Parkland Total		**14**	**37**	**3**			**2**		**56**	**3**	**4**	**1**			**8**
Open Parkland Total		**0**	**5**	**0**			**0**		**5**	**0**	**3**	**0**			**3**
Study Area A Glass Total		**22**	**55**	**3**			**4**		**84**	**4**	**9**	**1**			**14**

Table B8. Study Area A Glass: Olive Green and Green

STP	Stratum	Olive Green			Olive Green Total	Strong, Bright or Lime Green								Green Total
		curved	rim/ base	Comment		curved	flat	rim		base			Comment	
		count	count		count	count	count	count	date or	count	size	type		count
	1				0	1								1
1 through 4a	1				0			1					bottle neck fragment	1
3					0	1								1
Buried Seawall Total		**0**	**0**		**0**	**2**	**0**	**1**		**0**				**3**
5	1				0	2							lime green	2
14					0	1							lime green, white painted band	1
19	1				0	2								2
23	1				0	1							lime green	1
24	2				0	1							lime green	1
25					0	3							lime green	3
27	1				0	1							lime green	1
29	1				0	1							lime green	1
39	1				0	1							lime green	1
50	1				0	2							lime green	2
Boardwalk 50 Foot Interval Total		**0**	**0**		**0**	**15**	**0**	**0**		**0**				**15**
70	2				0	5							lime green	5
103	1				0	1							lime green, raised	1
Boardwalk 100 Foot Interval Total		**0**	**0**		**0**	**6**	**0**	**0**		**0**				**6**
471a, 4m W	1				0	4							emerald green	4
472a, 6m N 4m E	1				0	2							emerald green	2
473a, 4m S	2				0	2								2
475a, 4m E	1\2				0			1					Heineken bottle with cap (discarded)	1
480a	2				0	1								1
480a, 4m E	1				0	1								1
481a	2				0	2							bottle, raised, molded	2
481a, 4m W	1				0	6		1					bottle	7
481a, 4m S	1				0	1							emerald green	1
485a, 4m W	1				0	1								1
486a, 4m E	2				0	1								1
487a	2				0	1								1
489a	1				0	1								1
490a	1				0	3				1		bottle		4

Table B8. Study Area A Glass: Olive Green and Green

STP	Stratum	Olive Green			Olive Green Total	Strong, Bright or Lime Green								Green Total
		curved	rim/ base	Comment		curved	flat	rim		base			Comment	
		count	count		count	count	count	count	date or	count	size	type		count
493a	2				0	1								1
501a	1				0		1							1
Landside Promenade Total		**0**	**0**		**0**	**27**	**1**	**2**		**1**				**31**
Boardwalk/ Promenade Total		**0**	**0**		**0**	**50**	**1**	**3**		**1**				**55**
167, 4m N	3				0	1							lime green	1
170, 0m N, 4m E					0	1							lime green	1
177	1				0	1				1	1/2 base	bottle	all pieces, lime green, modern; stippled embossed "4067", "1"	2
186	1				0	3							lime green	3
186	2	1		hand blown, ca. 18th-19th c.	1									0
206	1				0	1							lime green	1
207	1				0					1		stippled	lime green	1
208	1				0	1							lime green	1
208	2				0	1							lime green	1
220, 10ft S radial	1				0	1							lime green, bottle, monochrome printing "delightful beverage", modern	1
230	1				0	1							lime green	1
242	1				0	5							modern	5
250, 7.5m N	2	2			2									0
South Boulevard Ballfield/ Picnic/Parking Total		**3**	**0**		**3**	**16**	**0**	**0**		**2**				**18**
256	2				0	1							modern	1
256, 0m E 4m S	2				0	7				1			modern bottle glass	8
296	2				0	2							white and red paint, white "S" with red vertical line	2
Boulevard Open Parkland 1 Total		**0**	**0**		**0**	**10**	**0**	**0**		**1**				**11**

Table B8. Study Area A Glass: Olive Green and Green

STP	Stratum	Olive Green			Olive Green Total	Strong, Bright or Lime Green								Green Total
		curved	rim/ base	Comment		curved	flat	rim		base			Comment	
		count	count		count	count	count	count	date or	count	size	type		count
307, 0m N 4m W	2				0	1							modern	1
Boulevard New Parking Total		**0**	**0**		**0**	**1**	**0**	**0**		**0**				**1**
319	1				0	1							bottle	1
319, 10ft S	1	2		dark olive	2	1							lime green, stippling	1
324, 4m S 0m E	1				0	1							modern	1
329, 10ft N	3				0	1							modern	1
330, 0m N 4m E	1				0	1		1					neck and shoulder, small mouth, applied label, continuous lip	2
342	2				0	1								1
347, 0m N 4m E	2				0					1		bottle, ridges along base rim	1980	1
347	2				0	3								3
347, 4m S	2				0	1								1
352	2				0	1								1
362	1				0	1								1
Boulevard Open Parkland 2 Total		**2**	**0**		**2**	**12**	**0**	**1**		**1**				**14**
372	2				0			1	late 19th-early 20th c.				stopper rim, club sauce type	1
372, 5ft N	3				0	2								2
377	2		1	base: bottle, straight wall, slight kick-up; small bubble inclusions, 3 dia	1									0
378	2				0	1							dark green, bottle, circular with straight wall	1
382, 10ft W	2				0	1							lime green, container	1
385	3	1			1									0
405	2	2		pale olive	2									0
407					0	1		1	post 1903				double-bead machined lip rim; all pieces: lime green	2

Table B8. Study Area A Glass: Olive Green and Green

STP	Stratum	Olive Green			Olive Green Total	Strong, Bright or Lime Green								Green Total
		curved	rim/ base	Comment		curved	flat	rim		base			Comment	
		count	count		count	count	count	count	date or	count	size	type		count
410	1				0					1	1.75 dia	bottle	lime green; mold lines	1
414, 10ft N	1				0	1								1
415	2				0	1								1
415, 4m N	1				0	1								1
416, 4m W	1	1			1									0
421	1				0	1							emerald green	1
426, 10ft E	2	1			1									0
448	2				0	1								1
North Boulevard Recreational/Parking/ Road Total		**5**	**1**		**6**	**10**	**0**	**2**		**1**				**13**
459	3				0	1							emerald green	1
461	1				0	1				1	4 cm dia		emerald green	2
		0	**0**		**0**	**2**	**0**	**0**		**1**				**3**
471, 4m E					0	1							emerald green	1
472, 4m S	2				0	1								1
500	3				0		1							1
Sea View Avenue Total		**0**	**0**		**0**	**2**	**1**	**0**		**0**				**3**
Boulevard non-Open Parkland Total		**8**	**1**		**9**	**29**	**0**	**2**		**4**				**35**
Open Parkland Total		**2**	**0**		**2**	**22**	**0**	**1**		**2**				**25**
Study Area A Glass Total		**10**	**1**		**11**	**103**	**2**	**6**		**7**				**118**

Table B9. Study Area A Glass: Amber and Other

STP	Stratum	Amber								Amber Total	Other and Unidentified		Other and Unidentified Total
		curved	flat	rim			base		Comment			comment	
		count	count	count	type	date or	count	type		count	count		count
	1	2								2	1	clear melted	1
1 through 6	1									0	1	clear melted	1
Buried Seawall Total		**2**	**0**	**0**			**0**			**2**	**2**		**2**
5	1	3								3			0
17	1	1								1			0
24	2	1								1			0
25		8								8			0
27	1	2		2	beer bottle, twist-cap neck	modern				4			0
28	1	3							beer bottle; modern	3			0
29	1	1								1			0
33	1	1					1		beer bottle; modern	2			0
36	1	2								2			0
39	1	2								2			0
41	1			1						1			0
Boardwalk 50 Foot Interval Total		**24**	**0**	**3**			**1**			**28**	**0**		**0**
70	2	4								4			0
73	1						5	modern beer bottle	complete base with mold markings, mfg: Johnson Control Glass 1996	5			0
77		1								1			0
80	1	2								2			0
80	2	1								1			0
95		1							shoulder of modern 'shorty' beer bottle	1			0
103	1	1								1			0
109		5							1 embossed "A"	5			0
145	1	2							modern beer bottle, embossed eagle in an "A", bottler: Anheuser-Busch	2			0
149	1	1								1			0
155	1	1							modern beer bottle, embossed with partial "A" (Anheuser-Busch)	1			0
161	1	2								2			0
162	1	1								1			0

Table B9. Study Area A Glass: Amber and Other

STP	Stratum	Amber								Amber Total	Other and Unidentified		Other and Unidentified Total
		curved	flat	rim			base		Comment			comment	
		count	count	count	type	date or	count	type		count	count		count
Boardwalk 100 Foot Interval Total		**22**	**0**	**0**			**5**			**27**	**0**		**0**
462a	1	1								1			0
465a	2	3								3			0
469a	2	2								2			0
471a, 4m W	1		4				1	bottle		5			0
472a, 6m N 4m E	1	1								1			0
473a	2									0	1	curved, cobalt blue, bottle	1
473a, 4m S	2	1								1			0
475a	1	2								2			0
475a, 4m E	1\2	1					1			2			0
476a	4	1								1			0
477a	2	4								4			0
480a	2	1								1			0
480a, 4m E	1	4								4			0
480a, 4m E	2	1								1			0
480a, 4m S	2	1								1			0
481a	2	4							bottle, stamped "Anheiser-Busch"	4			0
481a, 4m W	1	1								1			0
481a, 4m S	1	3								3			0
481a, 4m S	2	2								2			0
483a	1	3								3			0
484a	2	2								2			0
485a	1	1								1			0
485a, 4m S	1	2								2			0
485a, 4m S	2	1								1			0
486a, 4m E	2	3								3	1	curved, cobalt blue	1
486a, 7.5m W	2	1								1			0
490a	1	19							2 with Budweiser bottle stamped	19			0
493a	2	11								11			0
497a	2	7							Budweiser bottle	7			0
501a	1	2								2			0
Landside Promenade Total		**85**	**4**	**0**			**2**			**91**	**2**		**2**

Table B9. Study Area A Glass: Amber and Other

STP	Stratum	Amber								Amber Total	Other and Unidentified		Other and Unidentified Total
		curved	flat	rim			base		Comment			comment	
		count	count	count	type	date or	count	type		count	count		count
Boardwalk/ Promenade Total		**133**	**4**	**3**			**8**			**148**	**4**		**4**
167, 4m N	3	6		2	spin-top necks	modern	1		all pieces from 2 Anheuser-Busch 'shorty' beer bottles	9			0
168, 0m N, 4m E	2	1								1			0
170, 0m N, 4m E		4					3		all pieces from modern beer bottle	7			0
173	1	1							modern beer bottle (dimple patterned)	1			0
176, 0m N, 4m E		3							modern beer botte; 1 Budweiser logo embossed; 1 embossed "TER" and "PL"	3			0
176, 0m N, 4m W	2	1								1			0
177	1	1								1			0
177	1	2								2			0
179		2					1	stippled	modern beer bottle	3			0
183, 0m N, 4m N	1						1		modern beer bottle, embossed "TTER" (do not litter)	1			0
194	1	1		1	bottle lip, mold lines up to bottom of bend lip	1880-1900 (Adams 1971: 16)			partial shoulder	2			0
195, E radial	1	1							melted	1			0
196, E radial	1	3								3			0
196, W radial	1						1		embossed dots, possible beer bottle, late half of 20th c.	1	1	glass mirror fragment, 1/4 thk x 1 l, reflective material present	1
197, 10ft W radial	1									0	1	glass mirror fragment, 3/16 thk, reflective material present	1
198	1	1							bottle fragment	1			0
198, 10ft E radial	1	1							bottle fragment	1			0
198, S radial	1									0	1	flat, opaque blue textured surface, possible depression	1

Table B9. Study Area A Glass: Amber and Other

STP	Stratum	Amber								Amber Total	Other and Unidentified		Other and Unidentified Total
		curved	flat	rim			base		Comment			comment	
		count	count	count	type	date or	count	type		count	count		count
201	1	4					1		beer bottle, embossed "Budweiser", all pieces from one bottle	5			0
201, 7.5 E radial										0	1	curved, clear with layer of light blue glass applied	1
202		1								1			0
202, 7.5m E radial	1	1								1			0
207	1	2					1	2.5 dia, embossed "No Deposit, No Refill", modern		3			0
207, 6m E radial	1									0	1	curved, opaque white (not milk glass)	1
208	1	1							bottle, "Budweiser" embossed logo, modern	1			0
208	2	2		1	continuous thread	1919+ (Miller 2000)			all pieces: bottle, 'squat' style beer bottle?, modern	3			0
217, 5ft N radial	2	4		1	continuous thread lip			all pieces: Budweiser 'stubby body' beer bottle, embossed logo, modern, 1964 A Eagle nonreturn bottle introduced, 1967 twist off tops introduced (www.anheuser-busch.com)		5			0
219, 5ft N radial	1	2								2			0
221	1	1								1			0
229	2	1								1			0
230	1	1								1			0
242	1						3		modern	3			0
247	2						1	bottle	modern	1			0
248	2	1							modern	1			0
South Boulevard Ballfield/ Picnic/Parking Total		**49**	**0**	**5**			**13**			**67**	**5**		**5**
254	2	1								1			0
266	1	1								1			0
266	3	1								1			0

Table B9. Study Area A Glass: Amber and Other

STP	Stratum	Amber								Amber Total	Other and Unidentified		Other and Unidentified Total
		curved	flat	rim			base		Comment			comment	
		count	count	count	type	date or	count	type		count	count		count
273	2	1							complete modern bottle with tar cap (1927+), "PWD" on lid	1			0
296	2	3							modern	3			0
303	1									0	1	red, molded	1
306	2	2								2			0
Boulevard Open Parkland 1 Total		**9**	**0**	**0**			**0**			**9**	**1**		**1**
307, 0m N 4m W	2			1					bottle glass, threaded mouth, c. 1967+	1			0
308	2	1							modern	1			0
Boulevard New Parking Total		**1**	**0**	**1**			**0**			**2**	**0**		**0**
330	1	7							modern	7			0
330, 0m N 4m E	1	4							3 bottle, raised eagle design, Anheuser-Busch; 1 complete 'shorty' beer bottle, stippled base, possibly 1983	4			0
332, 4m W	3	1							bottle, modern	1	1	cobalt blue curved	1
334	1	1								1			0
337	2	1								1			0
341, 0m E 4m S	1	1								1			0
341, 0m N 4m E	3						1	beer bottle	raised letters, "U.S. PAT. &"	1			0
341	2	2							raised letters, "SE DO"	2			0
342	2	5					2	bottle	2 base: "U.S. PAT. & T.M.O.", "63"	7			0
343	2	2								2			0
343, 0m N 4m E	2	11					2	bottle, raised ridge along foot	raised lettering "DON'T LITTER", "13 PL"	13			0
347, 0m N 4m E	2						1	bottle, stippled		1			0
360	1	1							"PLE"	1			0
362	1	13								13			0
366	2	3								3			0

Table B9. Study Area A Glass: Amber and Other

STP	Stratum	Amber								Amber Total	Other and Unidentified		Other and Unidentified Total
		curved	flat	rim			base		Comment			comment	
		count	count	count	type	date or	count	type		count	count		count
Boulevard Open Parkland 2 Total		**52**	**0**	**0**			**6**			**58**	**1**		**1**
372	2	1	1						1 flat: marblized strip, brown and white	2			0
372, 5ft N	2	1								1			0
375	2			1	beer bottle, crown-type	c. 1903-present				1			0
376	2	1								1			0
377	2	1							bottle, embossing and/or mold lines present, fully curved on all axis	1			0
378	2									0	1	glass mirror fragment, reflective material on back surface	1
384	1	1								1			0
387	1	6							embossed "A & Eagle", Budweiser, 1964+	6			0
389		3								3			0
393	1	1								1			0
398	1						1	bottle	stippled, embossed "30 m4..R&G.U.S…", possible beer bottle	1			0
403	1									0	1	marble, opaque white and orange, machine made, (machine made marbles TPQ 1901. Panot: 1987)	1
405	2									0	3	melted glass	3
410	1	1							conical shape	1			0
413	1	5								5			0
416	1	1								1			0
417, N radial	2	1								1			0
418, 4m W	2	2								2			0
418, 7.5m E	1	1								1			0
419	4?	8								8			0
421	1	2								2			0
426	3	1								1			0
432	1									0	1	rounded, teal, unidentifiable	1

Table B9. Study Area A Glass: Amber and Other

STP	Stratum	Amber								Amber Total	Other and Unidentified		Other and Unidentified Total
		curved	flat	rim			base		Comment			comment	
		count	count	count	type	date or	count	type		count	count		count
North Boulevard Recreational/Parking/ Road Total		**37**	**1**	**1**			**1**			**40**	**6**		**6**
461	1	2								2			0
		2	**0**	**0**			**0**			**2**	**0**		**0**
465	2	3								3			0
467	2	1								1			0
468	2	2					3	bottle		5			0
470, 4m N	3									0	1	pink	1
471, 4m E		1							embossed lettering	1			0
482	1	4								4			0
482	2	1								1			0
500	3									0	2	gray smoked flat glass	2
Sea View Avenue Total		**12**	**0**	**0**			**3**			**15**	**3**		**3**
Boulevard non-Open Parkland Total		**89**	**1**	**7**			**14**			**111**	**11**		**11**
Open Parkland Total		**61**	**0**	**0**			**6**			**67**	**2**		**2**
Study Area A Glass Total		**295**	**5**	**10**			**31**			**341**	**20**		**20**

Table B10. Study Area A: Nails

STP	Stratum	Whole Square or Cut		Square or Cut		Square Nail Total	Whole Round or Wire		Round or Wire		Round Nail Total	Unidentified Nail Fragment	Unidentifed Whole Nail	All Nail Total
		count	length	count	comment	count	count	length	count	comment	count	count	count	count
	1					0	1	3 3/4			1			**1**
Buried Seawall Total		**0**		**0**		**0**	**1**		**0**		**1**	**0**	**0**	**1**
27	1					0	1	1.75			1			**1**
Boardwalk 50 Foot Interval Total		**0**		**0**		**0**	**1**		**0**		**1**	**0**	**0**	**1**
70	2					0	1	2			1			**1**
77						0	1	3			1			**1**
80	2	1	4		machine head, common nail 1830+ (Nelson, NPS, 1968)	1	1	2.5			1			**2**
94	1					0	1	3			1			**1**
95						0			1		1			**1**
159	1					0			1		1			**1**
Boardwalk 100 Foot Interval Total		**1**		**0**		**1**	**4**		**2**		**6**	**0**	**0**	**7**
473a, 4m S	2					0					0		1	**1**
476a	4					0					0		1	**1**
480a	2					0			1		1			**1**
481a, 4m W	3					0					0	4		**4**
482a	3					0					0	2		**2**
483a	2					0	3	6"			3			**3**
483a, 4m E	2					0					0	1		**1**
484a, 4m W	3					0	11	2: 1 3/4; 3; 4; 2 1/2; 3: 5; 3: 4 1/2			11			**11**
484a, 4m S	1					0	2				2			**2**
487a	3					0	1				1			**1**
494a	2					0					0		3	**3**
495a	2					0					0		1	**1**
501a	1			1		1					0			**1**
Landside Promenade Total		**0**		**1**		**1**	**17**		**1**		**18**	**7**	**6**	**32**
Boardwalk/Promenade Total		**1**		**1**		**2**	**23**		**3**		**26**	**7**	**6**	**41**
167	1			1		1					0			**1**
173, 0m N, 4m E	1					0			2		2			**2**
176	1					0	1	2.5			1			**1**
177	2					0	1	2.5			1			**1**

Table B10. Study Area A: Nails

STP	Stratum	Whole Square or Cut		Square or Cut		Square Nail Total	Whole Round or Wire		Round or Wire		Round Nail Total	Unidentified Nail Fragment	Unidentifed Whole Nail	All Nail Total
		count	length	count	comment	count	count	length	count	comment	count	count	count	count
184 0m N, 4m E						0	2	4, 4.5	1		3			**3**
195, S radial						0			1		1			**1**
196, S radial	2					0	1	2.5			1			**1**
196, W radial	1	1	2.5"		headless, foundry type	1					0			**1**
197, 10ft S radial	1					0					0	1		**1**
197, W radial	1				special nail, flat tab, possibly to secure object to wall	0	1	1.25 x .5			1			**1**
198, S radial	1					0	1	2.5			1			**1**
225	1					0	1	1.5			1			**1**
251	1					0	1	2.5			1			**1**
South Boulevard Ballfield/ Picnic/Parking Total		**1**		**1**		**2**	**9**		**4**		**13**	**1**	**0**	**16**
296	2					0	3	2			3			**3**
Boulevard Open Parkland 1 Total		**0**		**0**		**0**	**3**		**0**		**3**	**0**	**0**	**3**
330, 0m N 4m E	2					0	1	3			1			**1**
331	3					0	1	2			1			**1**
331, 10ft N	3					0	2	2.5; 2.25			2			**2**
331, 10ft S	3				roofing nail; roofing nail in painted wood, white	0	3	1.5; 2	7		10			**10**
332, 4m W	3					0	1	2			1			**1**
Boulevard Open Parkland 2 Total		**0**		**0**		**0**	**8**		**7**		**15**	**0**	**0**	**15**
372	2			1		1					0			**1**
372	2					0	1	3.5			1			**1**
372, 5ft N	3					0	1	2.25			1			**1**
372, 5ft N	3					0	1	1.25			1			**1**
372, 10ft E	2	1	1.75			1	2				2			**3**
373	1					0	1	4			1			**1**
374	1					0	1	2.5			1			**1**
375	2			1		1	1	2.5			1			**2**
376	2					0	1	2.75			1			**1**
376, 5ft W	3					0	1	4			1			**1**
377	2					0			1		1	1		**2**
379	2			1		1					0			**1**

Table B10. Study Area A: Nails

STP	Stratum	Whole Square or Cut		Square or Cut		Square Nail Total	Whole Round or Wire		Round or Wire		Round Nail Total	Unidentified Nail Fragment	Unidentifed Whole Nail	All Nail Total
		count	length	count	comment	count	count	length	count	comment	count	count	count	count
381	1					0	1	4			1			**1**
382, 10ft W	2					0			2		2			**2**
389				1		1					0			**1**
392, 10ft W	2			2		2					0			**2**
394	2					0	1	1 1/4	1		2			**2**
383	1			1		1					0			**1**
401	1			1		1					0			**1**
405	2			2		2	2	3; 3.5			2			**4**
408	1					0			1		1			**1**
412	3					0					0		1	**1**
414, 4ft south	2					0					0		1	**1**
415	1					0	1				1			**1**
415, 4m N	1					0	1				1			**1**
416, 4m W	1					0					0		1	**1**
418, 4m W	2					0	1	2 1/5			1			**1**
418, 7.5m E	1					0					0		1	**1**
426, 7.5m S	1	1	10.5		possibly hand made, irregular head	1					0			**1**
431	2					0					0	2		**2**
433	2					0	2	10cm; 8 cm			2			**2**
448	2					0	4	15; 5.5; 9.5; 10.5 cm			4			**4**
North Boulevard Recreational/ Parking/Road Total		**2**		**10**		**12**	**23**		**5**		**28**	**3**	**4**	**47**
479	2					0					0		1	**1**
483	2					0	1	3"			1			**1**
500, 4m S	3					0			1	very corroded, at least 3.25" long	1			**1**
Sea View Avenue Total		**0**		**0**		**0**	**1**		**1**		**2**	**0**	**1**	**3**
Boulevard non-Open Parkland Total		**3**		**11**		**14**	**32**		**9**		**41**	**4**	**4**	**63**
Open Parkland Total		**0**		**0**		**0**	**11**		**7**		**18**	**0**	**0**	**18**
Study Area A Metal Total		**4**		**12**		**16**	**67**		**20**		**87**	**11**	**11**	**125**

Table B11. Study Area A Metal: Other and Unidentified

STP	Stratum	Other			Flat or Sheet Fragments		Unidentified Form or Concretions			Other and Unidentified Total
		count	dimensions	comment	count	dimensions	count	dimensions	comment	count
	1	1		possible tin-type seal (to a container); modern			1	5/8 thk x 1 1/2 w x 3 3/4 long	iron, square tubing	**2**
Buried Seawall Total		**1**			**0**		**1**			**2**
34	1	1		aluminum chain-linked fence fragment; modern						**1**
36		1		crown bottle cap, introduced 1892 (Miller 2000: 8); modern						**1**
47	2						2	3.75 overall	matching pieces	**2**
48	1	1		welding rod; modern						**1**
Boardwalk 50 Foot Interval Total		**3**			**0**		**2**			**5**
70	2	1	1/8dia x 5 1/2 l	aluminum chain-linked fence fragment?	1	.001thk x 1.25 x 1.5			thin brass plate	**2**
Boardwalk 100 Foot Interval Total		**1**			**1**		**0**			**2**
468a	2	1		1995 U. S. penny			1		unidentified iron	**2**
468a	3	1		iron metal cap						**1**
473a, 4m W	2	2		bottle caps, discarded						**2**
481a, 4m W	3						1		unidentified iron	**1**
483a	1	1	8 l	nail stake						**1**
483a	2	5		wire pieces						**5**
483a, 4m E	2	1		metal ring						**1**
484a, 4m W	3						6		unidentified iron	**6**
485a	1						1		unidentified iron	**1**
500a	1						1	wire		**1**
Landside Promenade Total		**11**			**0**		**10**			**21**
Boardwalk/Promenade Total		**16**			**1**		**13**			**30**
459	3						2		unidentified iron	**2**
Boulevard Miller Field Connect Total		**0**			**0**		**2**			**2**
173, 0m N, 4m E	1						5	.155 dia	steel wire fragments, 2 twisted pairs present	**5**
186	1	1		modern crown beverage bottle cap, 1953+ (Miller 2000)						**1**
189	1	1		modern screw thread bottle cap with tamper-proof segmented edge						**1**

Table B11. Study Area A Metal: Other and Unidentified

STP	Stratum	Other			Flat or Sheet Fragments		Unidentified Form or Concretions			Other and Unidentified Total
		count	dimensions	comment	count	dimensions	count	dimensions	comment	count
195, E radial	1	1		crown bottle cap with plastic inner seal, ca. 1960's+ (bottlecaps.org)						**1**
196, W radial	1						1		iron twisted wire pair, bottle bail from possibily 1875-1910	**1**
198, 10ft E radial	1						1		possible screw head or tack, iron	**1**
202, 7.5m E radial	1						1	.125 dia x .75 l	possible wire nail	**1**
202, 7.5m W, 6m S	1	1		steel dinner fork, bent U shape, 4 prong, possible right handed						**1**
207, 7.5m E, 6m S	2	1		aluminum pull tab, 1963-75 (Miller 2000)						**1**
208	1	3		1 threaded aluminum bottle cap, printed "NO-CAL", segmented tamper seal, modern; 2 crown caps, plastic inner seals, c. 1960's+						**3**
208	1	9	originally 1.25 dia x 3.5 h	batteries, dry-cell, carbon fragments, 3 min present, possible radio battery			1	3/8 dia disks on end x 5 l	wire, electrical cloth insulated, soldered disk ends, possible battery connector, found in context with batteries	**10**
219	1	1		aluminum pull tab, 1963-75 (Miller 2000)						**1**
220, 10ft S radial	1	1		aluminum pull tab, 1963-75 (Miller 2000)						**1**
223	1						2	13 1/2 dia x 3 l x 5/8 w	unidentified iron fragments	**2**
224	1	2		1984 and 1988 U. S. quarters						
230	2						1	.25 dia x 2 l	unidentified iron	**1**
242	2	1		iron sheet, folded, lightly corroded						**1**
246	2	1	7" l, 7" w	very large horseshoe, for draft horse						**1**
South Boulevard Ballfield/Picnic/Parking		**23**			**0**		**12**			**33**
296	4 or 5	1		iron fixture/hardware, possible	3		1		possible lock plate, possibly	**5**
Boulevard Open Parkland 1 Total		**1**			**3**		**1**			**5**
331	3						1		iron fragments, corroded	**1**
331, 10ft N	3	1		screw hook			1		iron rod, broken	**2**

Table B11. Study Area A Metal: Other and Unidentified

STP	Stratum	Other			Flat or Sheet Fragments		Unidentified Form or Concretions			Other and Unidentified Total
		count	dimensions	comment	count	dimensions	count	dimensions	comment	count
345	2						1		iron loop	**1**
Boulevard Open Parkland 2 Total		**1**			**0**		**3**			**4**
372	2						1		iron and wood	**1**
372	2	1		bottle cap, crown-style, orange paint, "Gordon & Co Distillers London"			2		1 iron strip; 1 iron wire	**3**
372, 5ft N	3	1		flat head screw						**1**
372, 5ft N	3						1		unidentified iron	**1**
372, 10ft E	2	1		horseshoe fragment			2		iron strips	**3**
373	1	1	2 hex, 1.5 thd	pipe nut/clamp, iron			1	1.5"x.5"	concretion	**2**
374	1	1	2.5 dia	steel base of tin can			2	1-.094 dia x 6	1-iron, wire, single strand, bent-D shape; 2-concretion	**3**
376, 5ft W	4	1	1 x .75	buckle/clasp, 2 piece assembly, copperous material, gracile form, possible garment						**1**
377	2	1	2.75 dia	tin can rim (steel)						**1**
382, 10ft W	2	1	.0625 dia	wire, twisted assemblage, once a 3-strand bail						**1**
393	3						1	.5 w x 2.25 l	unidentified iron strip	**1**
401	1						1	1.5"x.5"	concretion	**1**
403	2	1	.75 dia x 4.75 l	expansion spring			1	.125 dia x 8.5 l	aluminum wire, bent	**2**
413	2	1		undiagnostic metal spike			1		metal fragment	**2**
414, 10ft N	2	1		screw						**1**
415	2	1		metel pull-tab, ca. 1963-1975			2		undiagnostic, u-shaped, iron	**3**
416	3	1		metal band, possible pipe clamp						**1**
421	1						1		unidentified iron	**1**
426	2	1		"T" shape, possible fence						**1**
448	2	2	15cm l	long bolt, iron, square cut bolts, one with washer						**2**
North Boulevard Recreational/ Parking/Road Total		**16**			**0**		**16**			**32**
Boulevard non-Open Parkland Total		**39**			**0**		**30**			**67**
Open Parkland Total		**2**			**3**		**4**			**9**
Study Area A Metal Total		**57**			**4**		**47**			**106**

Table B12. Study Area A Construction Material: Bricks

STP	Stratum	Level	Depth	Whole or Nearly Whole			Brick Fragments		Brick Total
			(cm)	count	dimensions	comment	count	comment	count
103	1						2	decorative brick-like fragments, 4.5 long	2
122		1					1	red	1
Boardwalk 100-Foot Interval Total				**0**			**3**		**3**
480a, 4m E	2						1		1
480a, 4m S	2						1		1
481a, 4m W	1		10				2		2
481a, 4m W	3		80-90				5		5
483a, 4m S	2						1	red	1
484a, 7.5m W	1		15				4	red	4
484a, 4m S	1		20				2		2
485a	1		0-26				2		2
494a	2						1		1
495a	1						2		2
Landside Promenade Total				**0**			**21**		**21**
Boardwalk/Promenade Total				**0**			**24**		**24**
173 0m N, 4m E	1		10				1	orange-red	1
176	1		17				2	orange	2
195	1		0-15				1	orange	1
195, E radial	1						3	2 brown-red; red buff	3
195, W radial	1		0-37				1	red	1
196, S radial	1		0-30				1	orange	1
196, W radial	1		0-21				1	orange	1
197, 10ft S radial	1						2	orange; red-orange	2
197, 10ft W radial	1		0-10				15	orange, red; 1 decorative red with light blue inclusions	15
197, W radial	1		35				9	orange-red	9
198 10ft E radial	1						2	red; orange	2
202	1		0-15				1	orange-red	1
202, 7.5m E radial	1						1	orange	1
202, 7.5m E radial	3						1		1
203, 7.5m E, 6m S	1						1	red	1
211	2		30-40				1	orange	1
250 N st	2						2	orange; red	2
250, 5ft N	3						3	2 orange; 1 red	3
South Boulevard Ballfield/Picnic/Parking Total				**0**			**48**		**48**

Table B12. Study Area A Construction Material: Bricks

STP	Stratum	Level	Depth	Whole or Nearly Whole			Brick Fragments		Brick Total
			(cm)	count	dimensions	comment	count	comment	count
372	3c		85				1	cement	1
372, 5ft N	3		61				1	red	1
372, 5ft N	3		90				1	red	1
372, 10ft E	2						2	red, mortar; red, inset panel with raised lettering "&"	2
373	1						2	orange-red; red, mortar	2
374	1						1	orange	1
381	1		0-12				1	red-orange, with mortar, 2.5 x 3.75	1
399	1						5	orange	5
408	1		25-35				9	orange-red	9
408	1		30	1	2 x 3.5 x 6	3/4 complete			1
414, 4ft S	2						1	red	1
415	1		15				1	red	1
416	1		0-30				2	red	2
416, 4m W	1		20				1	red	1
426	2		25	1		red body, mortar	1	red	2
426	3		35				1	red	1
426, 4.5m E				1		3/4 complete, red, "SE BDS" raised lettering	9	3 red; 2 yellow body; 4 red	10
426, 10ft W	2		25				1	red	1
North Boulevard Recreational/Parking/Road Total				**3**			**40**		**43**
471, 4m S	3		75				1	red	1
479	1		65				1		1
500, 4m S	1						1	red, mortar on surfaces	1
500, 4m S	3						2	red, one has mortar on surfaces	2
Sea View Avenue Total				**0**			**5**		**5**
Boulevard non-Open Parkland Total				**3**			**88**		**91**
Study Area A Construction Material Total				**3**			**117**		**120**

Table B13. Study Area A Construction Material: Tiles and Mortar Fragments

STP	Stratum	Level	Depth	Mortar or Cement Fragments		Drain/ Sewer Tile		Floor or Wall Tile Frags		Other/Unidentified Tile		Tile Total
			(cm)	count	comment	count	comment	count	comment	count	comment	count
50	1		82			1						1
58	1									1	glazed, steel blue on buff body	1
Boardwalk 50 Foot Interval Total				**0**		**1**		**0**		**1**		**2**
70	2									3	coarse earthenware, buff color, steel blue glazed, possible decorative tile	3
113	1		100			1					coarse red earthenware	1
126?	2?									1	fragment, light gray body with white inclusions, 1/4 thk x 1/2 l	1
Boardwalk 100 Foot Interval Total				**0**		**1**		**0**		**4**		**5**
468a	3			1	mortar							1
471a, 4m S	4									1	asphalt	1
483a	2		40	2	mortar							2
485a	2		26-101			1						1
Landside Promenade Total				**3**		**1**		**0**		**1**		**5**
Boardwalk/Promenade Total				**3**		**3**		**0**		**6**		**12**
460	3					1	buff body, stoneware, glaze					1
Boulevard Miller Field Connect Total				**0**		**1**		**0**		**0**		**1**
194, E radial		2		1	mortar							1
194, W radial		2				1					coarse red earthenware with brown glaze (speckled black and yellow)	1
195, E radial	1					4					1 orange earthenware; 2 red earthenware; 1 buff earthenware	4
196	1							2			1 light blue glaze; 1 pink glaze	2
196, S radial	1		0-30							1	white glaze with speckled black inclusions, earthenware	1
196, E radial			0-22							2	1 clear/yellow-white glaze, yellow earthenware; 1 white/clear glaze, white earthenware	2
196, E radial	2		22-48							1	white glaze with brown speckles, white earthenware body	1
196, W radial	1		0-21							1	white/clear glaze, white earthenware, 5/16 thk	1

Table B13. Study Area A Construction Material: Tiles and Mortar Fragments

STP	Stratum	Level	Depth	Mortar or Cement Fragments		Drain/ Sewer Tile		Floor or Wall Tile Frags		Other/Unidentified Tile		Tile Total
			(cm)	count	comment	count	comment	count	comment	count	comment	count
197, 10ft S radial	1									4	1 stone, 1/4 thk, gray granite?; 2 unglazed redware, black adhesive on one side; 1 stone, 1/4 thk, white marble?	4
197, E radial		1						1			redware, white glaze, waffle pattern base	1
197, 10ft W radial	1		0-10							5	1 redware, unglazed, black adhesive on one side; 1 porcelain, unglazed, white body; 1 ceramic, white body, yellow glaze; 1 ceramic, white body, clear glaze; 1 ceramic, white body, white glaze	5
198	1									3	1 white body, clear/white glaze, 3/8 thk;1 white body, pale yellow glaze, 5/16 thk; 1 unglazed redware, black adhesive back	3
198 10ft E radial	1									2	1 white ceramic, pink 'salt glaze textured' glaze, 1/4 thk; 1semi procelain, clear/white glazed surface, 3/8 thk	2
198, S radial	1									4	1 cut stone, mottled gray (granite?), 1/4 thk; 1 yellow earthenware, pink glaze, 3/16 thk; 1 red earthenware, white glaze, 1/4 thk; 1white earthenware, peach glaze, 3/8 thk	4
202	1		0-15							1	yellow earthenware, black glaze, 5/16 thk	1
202, 7.5m E radial	1			2	mortar							2
206, 20ft S radial	1		0-10	1	mortar					1	red earthenware, white glaze, 3/16 thk	2
251	1									1	white paste, blue paint, matte glaze	1
South Boulevard Ballfield/Picnic/Parking Total				**4**		**5**		**3**		**26**		**38**
285	2		40							1	porcelain tile, white spatter paint on tan, pentagonal	1

Table B13. Study Area A Construction Material: Tiles and Mortar Fragments

STP	Stratum	Level	Depth	Mortar or Cement Fragments		Drain/ Sewer Tile		Floor or Wall Tile Frags		Other/Unidentified Tile		Tile Total
			(cm)	count	comment	count	comment	count	comment	count	comment	count
Boulevard Open Parkland 1 Total				**0**		**0**		**0**		**1**		**1**
319, 10ft S	1							1	buff coarse earthenware, modified "T" shape profile, 4"x1"x3/4"			1
324	1		5							1	1cm square, brown spatter design over white	1
331	3			2	mortar							2
Boulevard Open Parkland 2 Total				**2**		**0**		**1**		**1**		**4**
372	2		55			1	salt-glazed, stoneware			2	sextagonal marble, with limestone mortar, 3 tiles total	3
372	2									2	1 marble base, limestone mortar, adheiring to one surface; 1 whiteware	2
372, 5ft N	3		61							5	1 red stone with white paint and glaze; 4 asbestos tiles	5
372, 5ft N	3		75	1	mortar with brick adhering to surface					1	sextagonal marble	2
372, 5ft N	3		90							1	marble, sextagonal	1
372, 10ft E	2			1	block, mortar end, iron mesh on surface							1
373	1									4	1 buff body, white glaze, .31 thk; 2 porcelain body, .19-.31 thk; 1 white body, white glaze, .31 thk	4
374	1					2	red coarse earthenware	3	1 inch octagon shape	1	white body, white glaze	6
375	2					1	gray/buff coarse earthenware, dark brown exterior glaze					1
376, 5ft W	2									1	white body, white glaze	1
382, 10ft W	2		50-55			3	coarse earthenware-buff					3
385	3									2	asbestos tile	2
386	1		0-15							1	asbestos tile	1
393	3			1	mortar							1
398	3			1	mortar							1

Table B13. Study Area A Construction Material: Tiles and Mortar Fragments

STP	Stratum	Level	Depth	Mortar or Cement Fragments		Drain/ Sewer Tile		Floor or Wall Tile Frags		Other/Unidentified Tile		Tile Total
			(cm)	count	comment	count	comment	count	comment	count	comment	count
405	2									1	ceramic, white glaze with fine brown speckled inclusions	1
408	1		25-35							5	1 ceramic tile, white body, blue glaze; 4 porcelain tile, white, 2 inch hexagon	5
414, 4ft S	2			1	mortar							1
415, 4m N	1		0-30							1	ceramic tile, beveled edge, light green glaze	1
415, 4m N	2		30-102			1						1
416	1		0-30	1	mortar							1
426	2		25							2	red body, white glaze, dot matrix design	2
426	3		35	10	mortar							10
426, 10ft E	2		28							1	buff body, tan glaze, possible tile fragment	1
North Boulevard Recreational/Parking/Road Total				**16**		**8**		**3**		**30**		**57**
462	1									1	asphalt	1
479, 4m W	2					1						1
500	3		55			1	redware			1	yellow and glazed, partial black stamp "O.", very thick-walled	2
500, 4m S	3			1	cast stone							1
Sea View Avenue Total				**1**		**2**		**0**		**2**		**5**
Boulevard non-Open Parkland Total				**20**		**14**		**6**		**56**		**96**
Open Parkland Total				**2**		**0**		**1**		**2**		**5**
Study Area A Construction Material Total				**26**		**19**		**7**		**66**		**118**

Table B14. Study Area A Construction Material: Other

STP	Stratum	Level	Depth	Asphalt	Slag/ Clinker	Coal	Charcoal	Coal Ash		Roofing Shingle		Other		Total
			(cm)	count	count	count	count	count	comment	count	comment	count	comment	count
1 through 4a	1		21							7	asphalt; modern			7
Buried Seawall Total				**0**	**0**	**0**	**0**	**0**		**7**		**0**		**7**
103	1			1										1
162	1				5	4								9
Boardwalk 100 Foot Interval Total				**1**	**5**	**4**	**0**	**0**		**0**		**0**		**10**
468a	3				2									2
471a, 4m S	4				1	2								3
475a, 4m E	1\2				1				discarded					1
480a, 4m E	1				1				discarded					1
481a, 4m W	3		80-90			1			discarded					1
482a	3						9							9
483a, 4m S	2				1									1
484a, 4m W	3		94		1									1
486a	3				1				discarded					1
489a	1		20			2			discarded					2
Landside Promenade Total				**0**	**8**	**5**	**9**	**0**		**0**		**0**		**22**
Boardwalk/Promenade Total				**1**	**13**	**9**	**9**	**0**		**7**		**0**		**39**
167, 4m N	3							1						1
190	2				1									1
195, S radial	1											1	laminated board fragment, white surface	1
195, E radial	1									1	possibly shale or natural	1	laminated board fragment, white surface	2
197, 10ft S radial	1			5										5
197, E radial		1										1	wood laminate, white outer layer	1
198 10ft E radial	1											1	laminant surface, red with black linear and floral motif, synthetic	1
198, S radial	1											1	plaster fragment with red and blue paint remnants	1
202	1		0-15			1								1

Table B14. Study Area A Construction Material: Other

STP	Stratum	Level	Depth	Asphalt	Slag/ Clinker	Coal	Charcoal	Coal Ash		Roofing Shingle		Other		Total
			(cm)	count	count	count	count	count	comment	count	comment	count	comment	count
202, 7.5m E radial	3			3	1									4
207, 7.5m E, 6m S	2											1	very coarse, red-orange earthenware, possible paver	1
215, 5ft N radial	2				2	1								3
239	2				1									1
South Boulevard Ballfield/Picnic/Parking Total				**8**	**5**	**2**	**0**	**1**		**1**		**6**		**23**
331	3				1									1
331, 10ft S	3									7	asphalt	8	1 painted tar paper, yellow, orange, brwon, green, white; 7 plaster slabs, 1/4 thk	15
332, 4m W	3											1	plaster	1
Boulevard Open Parkland 2 Total				**0**	**1**	**0**	**0**	**0**		**7**		**9**		**17**
372, 5ft N	3		90		1									1
372, 10ft E	2			1	1									2
374	1											1	gypsum board (for mounting wall tiles), .125 thk	1
376, 5ft W	2											3	wall plaster, gray matrix	3
382, 10ft W	2		50-55									1	gypsum backing board fragment (for laying tiles)	1
399	1					1								1
401	1					2								2
401	2		deep'		1	6								7
414, 10ft N	1		15			1								1
412	3				4									4
414, 4ft S	2					3								3
418, 4m W	2			1	1							1	asphalt/tar fragment, flat, 5 cm thk	3
North Boulevard Recreational/Parking/Road Total				**2**	**8**	**13**	**0**	**0**		**0**		**6**		**29**
Boulevard non-Open Parkland Total				**10**	**13**	**15**	**0**	**1**		**1**		**12**		**52**
Open Parkland Total				**0**	**1**	**0**	**0**	**0**		**7**		**9**		**17**
Study Area A Construction Material Total				**11**	**27**	**24**	**9**	**1**		**15**		**21**		**108**

Table B15. Study Area A Faunal Materials

STP	Stratum	Bone General	Cut Bone	Bone Total	Shell General	Shell Oyster	Shell Clam	Shell Total	Faunal Total
		count	count	count	count	count	count	count	count
1 through 4a	1	3		3				0	3
Buried Seawall Total		**3**	**0**	**3**	**0**	**0**	**0**	**0**	**3**
29	1			0	2			2	2
57				0	1		1	2	2
Boardwalk 50 Foot Interval Total		**0**	**0**	**0**	**3**	**0**	**1**	**4**	**4**
62				0	1		1	2	2
68	1			0		4	6	10	10
73	1			0		1		1	1
77				0	4		1	5	5
80	2			0	1			1	1
Boardwalk 100 Foot Interval Total		**0**	**0**	**0**	**6**	**5**	**8**	**19**	**19**
471a, 4m S	4			0		1		1	1
Landside Promenade Total		**0**	**0**	**0**	**0**	**1**	**0**	**1**	**1**
Boardwalk/Promenade Total		**3**	**0**	**3**	**9**	**6**	**9**	**24**	**27**
194, S radial				0			1	1	1
196, S radial	3			0			1	1	1
197, 10ft S. radial	1	1		1				0	1
201, 7.5 E radial				0			4	4	4
202, 7.5m E radial	3			0	4			4	4
203, 7.5m E radial	2			0			1	1	1
215, 5ft N radial	2			0	1			1	1
220, 10ft S radial	2			0			1	1	1
South Boulevard Ballfield/Picnic/Parking Total		**1**	**0**	**1**	**5**	**0**	**8**	**13**	**14**
266	3			0	1			1	1
Boulevard Open Parkland 1 Total		**0**	**0**	**0**	**1**	**0**	**0**	**1**	**1**
366	2			0	8			8	8
Boulevard Open Parkland 2 Total		**0**	**0**	**0**	**8**	**0**	**0**	**8**	**8**
400, 10ft W	2			0	1			1	1
412	3			0			3	3	3
414, 4ft S	2			0		1		1	1
448	2		1	1				0	1
North Boulevard Recreational/Parking/Road Total		**0**	**1**	**1**	**1**	**1**	**3**	**5**	**6**
Boulevard non-Open Parkland Total		**1**	**1**	**2**	**6**	**1**	**11**	**18**	**20**
Open Parkland Total		**0**	**0**	**0**	**9**	**0**	**0**	**9**	**9**
Study Area A Faunal Total		**4**	**1**	**5**	**24**	**7**	**20**	**51**	**56**

Table B16. Study Area A Miscellaneous Materials

STP	Stratum	Depth	Plastic			Wood		Styrofoam		Other		Misc. Total
		(cm)	count	shape	color	count	description	count	description	count	description	count
Other	1	44				1	charred wood					1
1 through 4a	1	21	2	1 spin-cap, safety design	white							2
Buried Seawall Total			**2**			**1**		**0**		**0**		**3**
12	1	55	1		semi-opaque white							1
14			3		1 clear; 2 white							3
22	1	60				2	unidentified wood fragments, discarded					2
23	1	89	1	film, modern	clear							1
24	2		2	1 container with lid; small octagon body, 1/4 dia x 3/4 h, lid embossed with "T"; 1 unidentified	lid: brown, green; 1 white							2
27	1					2	wood fragments; sawed; 2.75 l					2
36		100	7	1 modern cigarette filter; 3 McDonalds beverage lid - "M", modern	lids: white			6	modern, post 1944 (Miller 2000: 16)			13
45	1	98	1	modern cigarette filter								1
47	2					1	wood, unidentified, circular and cut through, 1/2 dia x 1 1/2 l					1
53	1	20	1	bottle cap, embossed "Rx", medicinal, modern	white	2	undifferenciated wood, discarded					3
58	1		1	5/8 l x 1/16 thk	dark blue							1
60	1		1	1.25 w x .875 h, molded with half-moon under 'hanging drapes', possible toy fragment, modern	yellow							1
Boardwalk 50 Foot Interval Total			**18**			**7**		**6**		**0**		**31**

Table B16. Study Area A Miscellaneous Materials

STP	Stratum	Depth	Plastic			Wood		Styrofoam		Other		Misc. Total
		(cm)	count	shape	color	count	description	count	description	count	description	count
63	1		1	shotgun shell internal casing, modern	green							1
80	1	6	1	1 l								1
80	2	100	4	coffee lid	semi-opaque white	1	cut wood, creasol smell (used to preserve telephone poles and railroad ties), 7.8"x1"x.5"	2	modern, post 1962 (Miller 2000: 17)			7
81?	1	100	3	1 film, possible beverage seal; 2 cup fragments	film: black; cup: clear							3
88	1	100	1	flat, 3/4 l	clear							1
128	1	100	2	tubes: one is 2" long, .2 diam; second is 1.25" long, 1/4 diam, possible wire crimp	2" tube: white; 1.25" tube: red							2
134	1	100	1	drink stirrer	brown and white							1
161	1	100	1	flip-top lid	white							1
Boardwalk 100 Foot Interval Total			**14**			**1**		**2**		**0**		**17**
471a, 4m S	4							1	c. 1962			1
472a, 6m N 4m E	1	0-27	1	rounded	opaque					1	rubber stop with coarse screw thread, possible door stop	2
475a, 4m E	1\2		1	cup lid (discarded)								1
483a, 4m S	2					2	fragments					2
Landside Promenade Total			**2**			**2**		**1**		**1**		**6**
Boardwalk/Promenade Total			**36**			**11**		**9**		**1**		**57**

Table B16. Study Area A Miscellaneous Materials

STP	Stratum	Depth	Plastic			Wood		Styrofoam		Other		Misc. Total
		(cm)	count	shape	color	count	description	count	description	count	description	count
167, 4m N	2		1	J' shaped incomplete object, 4.5" long, .75" diam	gray							1
167, 4m N	3					1	burnt wood, no evidence of human modification, discarded					1
177	1	0-21	1	possible disposable eating utensil	white							1
183	1	20	2	1 threaded bottle cap, inside marked "FA853, Alcoa"; 1 bread tie	cap:white; tie: orange							2
186	1	22.5	2	film	clear							2
190	2					5	wood fragments, no evidence of human modification, discarded					5
195, E radial	1									1	textile, possible nylon chair webbing, orange	1
197, W radial	1	35	1	flat	clear							1
198	1		1	possible mirror frame	gray with reflective material							1
202, 7.5m E radial	1									2	mica flakes/sheet, 1/2 dia, mica used for windows on ovens, 19th c. and earlier, possibily	2
207, 7.5m E, 6m S	2									2	unidentified, pliable, deteriorated rubber or possiblyorganic material, possibly leather	2
208	1	0-16	1	flat, wrapper, lettering "Net WT 7/16 oz (12.4g)"	lettering: multiple colors							1
209			1	flat, possible diffused lamp cover (w/ flourescent light units)	clear							1
South Boulevard Ballfield/Picnic/Parking Total			**10**			**6**		**0**		**5**		**21**

Table B16. Study Area A Miscellaneous Materials

STP	Stratum	Depth	Plastic			Wood		Styrofoam		Other		Misc. Total
		(cm)	count	shape	color	count	description	count	description	count	description	count
256, 0m E 4m S	2	20								1	Crackerjack bag, copyright 1974	1
Boulevard Open Parkland 1 Total			**0**			**0**		**0**		**1**		**1**
326	2	100	1	cone with ball top, possible child's toy	yellow							1
330, 0m N 4m E	1		1	tail light, 1950s+	red							1
331, 10ft S	3					13	burnt, 1 with diamond design impressed on one surface					13
332, 4m W	3		1	flat, impressed squares	yellow							1
362	1									1	light bulb fragment	1
Boulevard Open Parkland 2 Total			**3**			**13**		**0**		**1**		**17**
372, 10ft E	2					1	cut					1
374	2									1	2-hole button, opaque glass, .625 dia	1
408	1	25-35	1		yellow							1
418, 4m W	2					4	fragments					4
433	2		1	rounded	cream							1
North Boulevard Recreational/Parking/Road Total			**2**			**5**		**0**		**1**		**8**
486	2									1	man-made fiber fragment, modern, possibily fiberglass	1
Sea View Avenue Total			**0**			**0**		**0**		**1**		**1**
Boulevard non-Open Parkland Total			**12**			**11**		**0**		**6**		**29**
Open Parkland Total			**3**			**13**		**0**		**2**		**18**
Study Area A Miscellaneous Total			**51**			**35**		**9**		**10**		**105**

Table B17. Study Area B Ceramics: Redware

		Redware Coarse Earthenware				
STP	**Stratum**	**Unglazed**		**Glazed**		**Coarse Earthenware Total**
		count	**comment**	**count**	**comment**	**count**
49	2	1	coarseware			1
53	1	3	terracotta flowerpot			3
71	1	2	coarseware, red bodied facing			2
83	1	1	coarseware			1
New Dorp Beach Total		**7**		**0**		**7**
89	1	1	coarseware			1
Cedar Grove Bungalows Total		**1**		**0**		**1**
Cedar Grove Overall Total		**1**		**0**		**1**
625	1	2	coarseware, terracotta flower pot			2
Treatment Plant Total		**2**		**0**		**2**
632, 4m W	2			1	fine paste, white glaze, polychrome decoration	1
West of Treatment Plant Total		**0**		**1**		**1**
Treatment Plant Area Total		**2**		**1**		**3**
Study Area B Grand Total		**3**		**1**		**4**

Table B18. Study Area B Ceramics: Whitewares

STP	Stratum	Plain		Transprint		Whiteware Total
		count		count	comment	count
31	1	2				2
Miller Field Total		**2**		**0**		**2**
52	1	1				1
81	2	1				1
New Dorp Beach Total		**2**		**0**		**2**
91, 7.5m S	1	1				1
Cedar Grove Bungalows Total		**1**		**0**		**1**
127	1			1	blue decoration, molded rim	1
South End Cedar Grove Beach Total		**0**		**1**		**1**
Cedar Grove Overall Total		**1**		**1**		**2**
153	1	1	foot rim, possible tableware			1
Oakwood Beach Internal Levee		**1**		**0**		**1**
Study Area B Grand Total		**5**		**1**		**6**

Table B19. Study Area B Ceramics: Ironstones

STP	Stratum	Plain		Decorated		Transprint		Ironstone Total
		count	comment	count	comment	count	comment	count
48	1	1		1	yellow glaze with pattern			2
50	1	1	white glaze					1
53	1	3	partial maker's mark "England"					3
New Dorp Beach Total		**5**		**1**		**0**		**6**
Structure 2A, 10	1					1	green leaves	1
Structure 2A Total		**0**		**0**		**1**		**1**
Structure 5A, 7	1	1	bowl, outturned lip, 6.5 dia					1
Structure 5A Total		**1**		**0**		**1**		**2**
New Dorp Beach Structure Total		**1**		**0**		**2**		**3**
New Dorp Beach Overall Total		**6**		**1**		**1**		**8**
Oakwood Beach Internal Levee Total		**1**		**0**		**0**		**1**
604	1	1	base of handle on unidentified form					1
626	1			1	even scalloped and embossed edge, polychrome floral pattern, possible underglaze decal, 1908- present	2	blue print, tree image	3
630	1	3	1 rim sherd					3
Treatment Plant Total		**4**		**1**		**2**		**7**
635	1	1	base, thick, probably serving vessel					1
632, 4m W	2	1	base of serving vessel					1
West of Treatment Plant Total		**2**		**0**		**0**		**2**
Treatment Plant Area Total		**7**		**1**		**2**		**10**
Study Area B Grand Total		**13**		**2**		**3**		**18**

Table B20. Study Area B Ceramics: Porcelain and Semi-Porcelain

		Porcelains					Semi-Porcelains				
STP	Stratum	Semi Plain		Semi Decorated		Porcelain Total	Plain		Decorated		Semi-Porcelain Total
		count	comment	count	comment	count	count	comment	count	comment	count
27	3	1				1					0
Miller Field Total		**1**		**0**		**1**	**0**		**0**		**0**
Structure 1A, 1	1	1	hotelware, thick-walled			1					0
Structure 2A, 10	1			2	hotelware, deep oval bowl, partial maker's mark, "U.P." over an animal head	2					0
Structure 2A, 23	1	1	hotelware, base, weathered			1					0
Structure 2A Total		**1**		**2**		**3**	**0**		**0**		**0**
New Dorp Beach Structures Total		**2**		**2**		**4**	**0**		**0**		**0**
New Dorp Beach Overall Total		**2**		**2**		**4**	**0**		**0**		**0**
88	2	1	striated, molded			1					0
Cedar Grove Bungalows Total		**1**		**0**		**1**	**0**		**0**		**0**
Cedar Grove Overall Total		**1**		**0**		**1**	**0**		**0**		**0**
626	1	1	burnt			1					0
Treatment Plant Total		**1**		**0**		**1**	**0**		**0**		**0**
632, 4m W	2	3	egg cup, 4.5 in diameter rim, thick-walled	2	plate sherd, hotel ware, interwoven flowers and leaves	5	1	rim, cup	4	2 are red transfer-printed, plate fragments; 1 is green transfer-printed, burnt; 1 has blue paint on exterior, and is burnt	5
West of Treatment Plant Total		**3**		**2**		**5**	**1**		**4**		**5**
Treatment Plant Area Total		**4**		**2**		**6**	**1**		**4**		**5**
Study Area B Grand Total		**8**		**4**		**12**	**1**		**4**		**5**

Table B21. Study Area B Ceramics: Stonewares, Milk Glass, and Tobacco Pipes

STP	Stratum	Plain Stoneware		Milk Glass		Pipe Steam		
		count	comment	count	comment	count	size	comment
6	1			4	bottle			
Miller Field Total		**0**		**4**		**0**		
52	1			1	bottle			
53	1	1	clear glaze					
85	2					1		kaolin, maker's mark: "616 JW&C"
New Dorp Beach Total		**1**		**1**		**1**		
Structure 3A, 1	2					1	5/64 ID x 1.125 l	Kaolin, long, linear embossed design
Structure 5A, 7	1							
New Dorp Beach Structures Total		**0**		**0**		**1**		
New Dorp Beach Overall Total		**1**		**1**		**2**		
626	1			1	melted			
630	1			7	common 1880-1930s; 1 has slag attached			
Treatment Plant Total		**0**		**8**		**0**		
Study Area B Grand		**1**		**13**		**2**		

Table B22. Study Area B Glass: Clear

STP	Stratum	curved count	flat count	rim count	size	type	base count	type	date or mark	Comment	Clear Total count
6	1	4	1							3 curved: translucent bottle glass	5
15	3	5									5
19	1		2								2
28	1	1									1
30	1	3								bottle, translucent	3
31	1	17	5								22
32	1	4									4
38	2	1									1
Miller Field Total		**35**	**8**	**0**			**0**				**43**
20	1	2									2
20, 7.5m S	1	1								translucent	1
20, 7.5m E 15m N	1	1								bottle, ribbed, striated	1
20, 7.5m W	1	2	1								3
World War II Tower Total		**6**	**1**	**0**			**0**				**7**
Miller Field Overall Total		**41**	**9**	**0**			**0**				**50**
44	1	1									1
48	1	1									1
49	2		1								1
51	3	1					1	bottle			2
55	1	5									5
59	3	3									3
70	1	2								bottle, translucent	2
71	1	2									2
83	1	5								bottle, translucent	5
New Dorp Beach Total		**20**	**1**	**0**			**1**				**22**
Structure 1A, 11	1	1									1
Structure 1A, 16	1	1								container, weathered	1
Structure 1A, 47	1			1		cup				weathered, poor condition	1
Structure 1A Total		**2**	**0**	**1**			**0**				**3**
Structure 2A, 7	1		1								1
Structure 2A, 19	1	1	2							curved: weathered	3
Structure 2A, 22	1	1									1
Structure 2A, 23	1	1					1	faceted drinking glass		all pieces: weathered	2
Structure 2A, 21	1	1								weathered	1
Structure 2A Total		**4**	**3**	**0**			**1**				**8**

Table B22. Study Area B Glass: Clear

STP	Stratum	curved count	flat count	rim count	size	type	base count	type	date or mark	Comment	Clear Total count
Structure A, 2	2	1								complete medicinal glass vial with plastic/metal cap, modern	1
Structure 4A	1	1									1
Structure 4A, 33	1	1	1				1	bottle, stippled	modern		3
Structure 4A Total		**2**	**1**	**0**			**1**				**4**
Structure 5A, 2	1	1								minor abraided wear overall	1
New Dorp Beach Structure Total		**10**	**4**	**1**			**2**				**17**
New Dorp Beach Overall Total		**30**	**5**	**1**			**3**				**39**
88	2	2									2
89	1	1									1
92	1	2									2
93	1	3									3
93, 7.5m S	1	3								3 bottle, translucent	3
94, 7.5m S	1		1								1
99, 7.5m S	1						1	bottle		translucent	1
108, 7.5m S	1	1									1
110, 7.5m S	1	1									1
116	1	1								bottle, translucent	1
121	2	1		1	2.5 dia	wide mouth bottle, continuous thread					2
123	2	1									1
123, 7.5m S	2	2								translucent	2
Cedar Grove Bungalows Total		**18**	**1**	**1**			**1**				**21**
127, 7.5m S	1	1								weathered	1
South End Cedar Grove Beach Total		**1**	**0**	**0**			**0**				**1**
Cedar Grove Beach Overall Total		**19**	**1**	**1**			**1**				**22**

Table B22. Study Area B Glass: Clear

STP	Stratum	curved count	flat count	rim count	size	type	base count	type	date or mark	Comment	Clear Total count
600	1	1									1
601	1	1								container glass, possible glass block window shard	1
604	1	1									1
625	1	9	2	2		1 milk bottle rim, 4 dia				2 flat pieces are safety glass	13
626	1		1				1	bottle, paneled	embossed "JERGENS…LOTION", bottle manufacturer: Anchor Hocking, post 1938 (Louis Berger and Associates 1996)	1 flat: .19 thk x 4 l, engraved from behind in .625 h, "Our drin…"	2
627	1	3									3
630	1	3		1						1 has impressed crossed-hatching pattern	4
Treatment Plant Total		**18**	**3**	**3**							**25**
631	1	1								"Coca Cola" embossed label	1
631	2		1							wire mesh, security glass, ca. 1892+	1
632, 4m W	2	3	1				1	rectangular	Hazel/Atlas Glass Co., 1920-1964	1 body has irregular stipling, 1 body has orange peel stipling	5
635, 4m E	1		1							safety glass, c. 1915	1
West of Treatment Plant Total		**4**	**3**	**0**			**1**				**8**
Treatment Plant Area Total		**22**	**6**	**3**			**1**				**33**
Study Area B Grand Total		**112**	**21**	**5**			**5**				**144**

Table B23. Study Area B Glass: Aqua and Light Green

STP	Stratum	Aqua							Aqua Total	Light Green					Light Green Total
		curved	flat	rim			base			curved	flat	base			
		count	count	count	size	type	count	comment	count	count	count	count	size	comment	count
14	1	1							1						0
28	1	2							2						0
30	1	1							1						0
Miller Field Total		**4**	**0**	**0**			**0**		**4**	**0**	**0**	**0**			**0**
48	1		2						2						0
53	1	5							5						0
55	1		2						2						0
71	1		4						4						0
New Dorp Beach Total		**5**	**8**	**0**			**0**		**13**	**0**	**0**	**0**			**0**
Structure 1A, 37	1								0		1				1
Structure 1 Total		**0**	**0**	**0**			**0**		**0**	**0**	**1**	**0**			**1**
Structure 1A, 5	1								0		1				1
Structure 2A, 8	1								0		3				3
Structure 2A, 21	1	1						weathered	1						0
Structure 2 Total		**1**	**0**	**0**			**0**		**1**	**0**	**4**	**0**			**4**
Structure 5A, 2	1								0	1				abraided wear overall	1
New Dorp Structure Total		**1**	**0**	**0**			**0**		**1**	**1**	**5**	**0**			**6**
New Dorp Beach Overall Total		**6**	**8**	**0**			**0**		**14**	**1**	**5**	**0**			**6**
91, 7.5m S	1	3							3						0
94	1		1						1						0
Cedar Grove Bungalows Total		**3**	**1**	**0**			**0**		**4**	**0**	**0**	**0**			**0**
149	3		2						2						0
South End Cedar Grove Beach Total		**0**	**2**	**0**			**0**		**2**	**0**	**0**	**0**			**0**
Cedar Grove Overall Total		**3**	**3**	**0**			**0**		**6**	**0**	**0**	**0**			**0**
625	1		2						2						0
Treatment Plant Total		**0**	**2**	**0**			**0**		**2**	**0**	**0**	**0**			**0**
Study Area B Grand Total		**9**	**11**	**0**			**0**		**20**	**1**	**5**	**0**			**6**

Table B24. Study Area B Glass: Olive Green and Green

STP	Stratum	Olive Green			Olive Green Total	Strong, Bright or Lime Green						Green Total
		curved	rim/base			curved	flat	rim	base			
		count	count	comment	count	count	count	count	count	type	comment	count
6	1	1			1							0
13	1				0			1			bottle, neck and shoulder	1
Miller Field Total		**1**	**0**		**1**	**0**	**0**	**1**	**0**			**1**
20	1				0	1						1
World War II Tower Total		**0**	**0**		**0**	**1**	**0**	**0**	**0**			**1**
Miller Field Overall Total		**1**	**0**		**1**	**1**	**0**	**1**	**0**			**2**
48	1				0	1						1
59	3				0	2						2
New Dorp Beach Total		**0**	**0**		**0**	**3**	**0**	**0**	**0**			**3**
Structure 1A, 1	1				0	1					frosted	1
Structure 1A, 37	1				0				1	bottle	two rows of raised dots along foot rim	1
Structure 1A, 39	1				0	1		1			neck, continuous thread	2
Structure 1A Total		**0**	**0**		**0**	**2**	**0**	**1**	**1**			**4**
Structure 2A, 7	1				0	1						1
Structure 2A, 10	1				0	1	2				weathered	3
Structure 2A Total		**0**	**0**		**0**	**2**	**2**	**0**	**0**			**4**
Structure 4a, 1	1				0	1					lime green	1
Structure 4A Total		**0**	**0**		**0**	**1**	**0**	**0**	**0**			**1**
Structure 5A, 2	1				0	1					abraded wear overall	1
New Dorp Beach Structure Total		**0**	**0**		**0**	**6**	**2**	**1**	**1**			**10**
New Dorp Beach Overall Total		**0**	**0**		**0**	**9**	**2**	**1**	**1**			**13**
107	1				0	1						1
121	2	1		heavily abraded	1							0
Cedar Grove Bungalows Total		**1**	**0**		**1**	**1**	**0**	**0**	**0**			**1**
124, 7.5m S	1	1		heavily abraded	1							0
140	1				0	3						3
Cedar Grove Total		**1**	**0**		**1**	**3**	**0**	**0**	**0**			**3**
South End Cedar Grove Overall Total		**2**	**0**		**2**	**4**	**0**	**0**	**0**			**4**
632, 4m W	2				0	1						1
635, 4m E	1	1			1							0
Treatment Plant Total		**1**	**0**		**1**	**1**	**0**	**0**	**0**			**1**
Study Area B Grand Total		**3**	**0**		**3**	**14**	**2**	**2**	**1**			**19**

Table B25. Study Area B Glass: Amber and Other/Unidentified

		Amber							Other/Unidentified	
		curved	rim		base					
STP	Stratum	count	count	date	count	type	comment	count	comment	count
15	3	1						1		
38	2	1						1		
40	1	1						1		
Miller Field Total		**3**	**0**		**0**			**3**		**0**
20, 7.5m E	1	1						1		
World War II Tower Total		**1**	**0**		**0**			**1**		**0**
Miller Field Overall Total		**4**	**0**		**0**			**4**		**0**
55	1	5						5		
56	2							0	modern light bulb shard (discard)	1
New Dorp Beach Total		**5**	**0**		**0**			**5**		**1**
Structure 1A, 4	1				1	beer bottle	unmarked	1		
Structure 1A, 16	1	1					container, weathered	1		
Structure 1A, 23	1	2					container, melted	2		
Structure 1A, 37	1	5			1	bottle	maker's mark, 1985	6		
Structure 1A, 39	1	3						3		
Structure 1A, 43	1	2						2		
Structure 1A, 47	1	4			2	bottle	parallel crescents along	6		
Structure 1A Total		**17**	**0**		**4**			**21**		**0**
Structure 2A, 22	1	1					stippled surface	1		
Structure 2ATotal		**1**	**0**		**0**			**1**		**0**
Structure 5A, 2	1	3					abraded wear overall	3		
New Dorp Beach Structure Total		**21**	**0**		**4**			**25**		**0**
New Dorp Beach Overall Total		**26**	**0**		**4**			**30**		**1**
142	1	2						2		
South End Cedar Grove Beach		**2**	**0**		**0**			**2**		**0**
625	1	3						3	cobalt blue curved	1
626	1		1	1903+	1	complete bottle, 2 piece mold lines, square with flat chamfered corners, 1.25 x 3.125, black plastic cap, screw-type thread, embossed "Dr…", 3.5 dia, "Duraglass" in script post-1940 (Louis Berger and Associates 1996)		2	2 curved cobalt blue; 1 partial continuous threads present	2
627	1	1						1		
Treatment Plant Total		**4**	**1**		**1**			**6**		**3**
632, 4m W	2	1						1		
West of Treatment Plant Total		**1**	**0**		**0**			**1**		**0**
Treatment Plant Area Total		**5**	**1**		**1**			**7**		**3**
Study Area B Grand Total		**35**	**1**		**5**			**41**		**4**

Table B26. Study Area B Nails

STP	Stratum	Depth	Whole Square or Cut		Whole Round or Wire		Round or Wire		Round Nail Total	Unidentified Nail Fragment	Unidentifed Whole Nail	All Nail Total
		(cm)	count	length	count	length	count	comment	count	count	count	count
6	1								0	1		**1**
13	1								0	2		**2**
22	1	50-60							0		35	**35**
Miller Field Total			**0**		**0**		**0**		**0**	**3**	**35**	**38**
20, 7.5m E	1				2				2	1		**3**
20, 7.5 E 7.5m N	1	15							0		1	**1**
World War II Tower Total			**0**		**2**		**0**		**2**	**1**	**1**	**4**
Miller Field Overall Total			**0**		**2**		**0**		**2**	**4**	**36**	**42**
47	2	75							0		3	**3**
53	1								0		1	**1**
61	1								0		2	**2**
69	1	70							0		1	**1**
70	1				5				5			**5**
71	1								0		1	**1**
85	1								0		1	**1**
New Dorp Beach Total			**0**		**5**		**0**		**5**	**0**	**9**	**14**
Structure 1A,	1				2	2; 3			2			**2**
Structure 1A Total			**0**		**2**		**0**		**2**	**0**	**0**	**2**
Structure 2A, 7	1				1	3.5	3		4			**4**
Structure 2A,	1				1	2.5			1			**1**
Structure 2A,	1	55			1				1			**1**
Structure 2A Total							**3**		**6**	**0**	**0**	**6**
Structure 5A,	1	0-12					1		1			**1**
New Dorp Beach Structure Total			**0**		**2**		**4**		**9**	**0**	**0**	**9**
New Dorp Beach Overall Total			**0**		**7**		**4**		**14**	**0**	**9**	**23**
94	1				1				1			**1**
123	1	59			1				1			**1**
Cedar Grove Bungalows Total			**0**		**2**		**0**		**2**	**0**	**0**	**2**
124, 7.5m S	1						2	granular matrix, glossy	2			**2**
125	1				2				2			**2**
126	1	111			1				1			**1**
127	1	0-30							0	1		**1**
129	1	0-70	1	2.5					0			**1**
South End Cedar Grove BeachcTotal			**1**		**3**		**2**		**5**	**1**	**0**	**7**
Cedar Grove Beach Overall Total			**1**		**5**		**2**		**7**	**1**	**0**	**9**
626	1	30-40							0	1		**1**
Treatment Plant Total			**0**		**0**		**0**		**0**	**1**	**0**	**1**
Study Area B Grand Total			**1**		**14**		**6**		**23**	**6**	**45**	**75**

Table B27. Study Area B Metal: Other and Unidentified

STP	Stratum	Other			Flat or Sheet Fragments		Unidentified Form or Concretions			Other and Unidentified Total
		count	dimensions	comment	count	dimensions	count	dimensions	Comment	count
15	3						6		unidentified iron fragments	**6**
19	1	1		sheet metal ribbon						**1**
31	1						19		unidentified iron fragments	**19**
35	1						1		unidentified iron fragments	**1**
Miller Field Total		**1**			**0**		**26**			**27**
20	1	1		modern metal clasp (discard)			1		unidentified iron	**2**
20, 7.5m W	1						5		unidentified iron fragments	**5**
World War II Tower Total		**1**			**0**		**6**			**7**
Miller Field Overall Total		**2**			**0**		**32**			**34**
59	3	1		large iron spike			5		concretions	**6**
73	3	3		iron wire						**3**
85	2	1		iron hook						**1**
New Dorp Beach Total		**5**			**0**		**5**			**10**
Structure 1A,	1						1		unidentified iron	**1**
Structure 1A,	1	1	11/16 dia	iron spring						**1**
Structure 1A,	1				3					**3**
Structure 1A,	1	3	2.75 l	staples						**3**
Structure 1A Total		**4**			**3**		**1**			**8**
Structure 2A, 9	2				1					**1**
Structure 2A, 10	1						1		possible hardware or tool, concretion of glass, wood, pebbles adhering to surface	**1**
Structure 2A, 15	1	2		1 metal plate bent lengthwise; 1 iron wire			1		metal disc, possible male lid to machinery or hardware	**3**
Structure 2A Total		**2**			**1**		**2**			**5**
Structure 3A, 4	1						1	.75 x 3.25 x .125	iron bar	**1**
New Dorp Beach Structure Total		**6**			**4**		**4**			**14**
New Dorp Beach Overall Total		**11**			**4**		**9**			**24**
91, 7.5m S	1						9		unidentified iron fragments	**9**

Table B27. Study Area B Metal: Other and Unidentified

STP	Stratum	Other			Flat or Sheet Fragments		Unidentified Form or Concretions			Other and Unidentified Total
		count	dimensions	comment	count	dimensions	count	dimensions	Comment	count
104	1	1		bottle cap (discard)						**1**
105	1	1		safety pin						**1**
122	1	1		1994 U.S. penny, discarded						**1**
Cedar Grove Beach		**2**			**0**		**9**			**12**
126	1						1		lead strip	**1**
145	1	1		steel rotary switch assembly (shaft, threaded fixture, spring steel washers)						**1**
South end Cedar Grove Beach Total		**1**			**0**		**1**			**2**
Cedar Grove Beach Overall Total		**3**			**0**		**10**			**14**
152	1	1		horseshoe						**1**
Oakwood Beach Internal Levee Total		**1**			**0**		**0**			**1**
603	1	1		square headed bolt with nut						**1**
Treatment Plant Total		**1**			**0**		**0**			**1**
632, 4m W	2	1	6 in.	spring						**1**
West of Treatment Plant Total		**1**			**0**		**0**			**1**
Treatment Plant Area Total		**3**			**0**		**0**			**3**
Study Area B Grand Total		**19**			**4**		**51**			**75**

Table B28. Study Area B Bricks

STP	Stratum		Brick Fragments
		comment	count
6	1		1
43	2		1
Miller Field Total			**2**
77	1	red	2
81	2	red	2
New Dorp Beach Total			**4**
Structure 1A, 17	surface	red	1
Structure 1A, 27	1	red	1
Structure 1A 37	1		1
Structure 1A, 39	1	red	1
Structure 1A Total			**4**
Structure 4A, 4	2		
New Dorp Beach Structure Total			**4**
New Dorp Beach Overall Total			**8**
88	2	red	2
89	1	red	4
Cedar Grove Bungalows Total			**6**
129	1	2 orange; 3 red	5
130	1		1
145	1		5
South End Cedar Grove Beach Total			**11**
Cedar Grove Beach Overall Total			**17**
625	1	red	1
630	1	red	1
Treatment Plant Total			**2**
632	2	red	1
635	1	orange	1
642	1	red	2
642, 4m E	1	red	1
D644	1	red-orange	2
West of Treatment Plant Total			**7**
Treatment Plant Area Total			**9**
Study Area B Grand Total			**34**

Table B29. Study Area B Construction Materials: Mortar and Tiles

STP	Stratum	Mortar or Cement Fragments		Drain/Sewer Tile		Other/Unidentified Tile		Total
		count	comment	count	comment	count	comment	count
6	1	1	discard					1
27	3					1	asbestos tile (discard)	1
Miller Field Total		**1**		**0**		**1**		2
71	1					1	coarseware, yellow glaze	1
73	1					3	coarseware, yellow glaze	3
76	1					1	coarseware, clear glaze	1
79	2					2	1 coarseware, clear glaze; 1 coarseware, red-bodied	2
80	1	2	discard					2
84	1			2				2
85	1					1	asbestos (discard)	1
New Dorp Beach Total		**2**		**2**		**8**		12
Structure 1A, 11	1	1	mortar					1
Structure 1A, 23	1	1	mortar			4	redware	5
Structure 1A, 32	1					1	coarse-grained earthenware	1
Structure 1A, 36	1					1	coarse-grained earthenware	1
Structure 1A, 37	1	1	mortar					1
Structure 1A, 38	1					2	1 stoneware, coarse grained, flat; 1 redware, coarse grained, flat with corner	2
Structure 1A, 39	1	1	mortar			2	redware, coarse-grained, 1 corner, 1 flat with corner	3
Structure 1A Total		**4**		**0**		**10**		14
Structure 2A, 5	1					3	coarse-grained; 2 yellow past; 1 red paste	3
Structure 2A, 20	1	2	1 is cast stone					2
Structure 2A Total		**2**		**0**		**3**		5
New Dorp Beach Structure Total		**6**		**0**		**13**		19
New Dorp Beach Overall Total		**8**		**2**		**21**		31

Table B29. Study Area B Construction Materials: Mortar and Tiles

STP	Stratum	Mortar or Cement Fragments		Drain/Sewer Tile		Other/Unidentified Tile		Total
		count	comment	count	comment	count	comment	count
134	1					5	asbestos tile fragments (discard)	5
140	1					1	asbestos tile fragments (discard)	1
141-B	1			1	coarse earthenware, brown ext			1
149	3			1	coarseware			1
South End Cedar Grove Beach Total		**0**		**2**		**6**		8
153	1	2	mortar			2	ceramic tile, buff body, black speck inclusions, white slip glaze	4
164	1					1	porcelain mosaic tile with mortar	1
Oakwood Beach Internal Levee Total		**2**		**0**		**3**		5
603	1					10	ceramic tile, yellow glaze	10
627	1/1	4	mortar					4
Treatment Plant Total		**4**		**0**		**10**		14
632, 4m W	2					1	ceramic tile, white, 1 11/16"	1
D644	1			1	coarse earthenware			1
West of Treatment Plant Total		**0**		**1**		**1**		2
Treatment Plant Area Total		**6**		**1**		**14**		21
Study Area B Grand Total		**15**		**5**		**42**		62

Table B30. Study Area B Construction Material: Slag, Coal, Roofing Shingles, and Other

STP	Stratum	Slag/ Clinker	Coal	Charcoal		Roofing Shingle	Other		Total
		count	count	count	comment	count	count	comment	count
6	1	6	3		discarded				9
6	2		2	4	discarded				6
15	3	5	5		discarded				10
23	1		1		discarded				1
27	3		2						2
31	1		1	2	discarded				3
Miller Field Total		**11**	**14**	**6**		**0**	**0**		**31**
20	1		1		discarded				1
20, 7.5m N 7.5m W	2	1							1
20, 7.5m W	4	8	10		discarded				18
World War II Tower Total		**9**	**11**	**0**		**0**	**0**		**20**
Miller Field Overall Total		**20**	**25**	**6**		**0**	**0**		**51**
48	1						3	plaster fragments with tar paper facing (discard)	3
59	3	1			discarded				1
61	1		3		discarded				3
New Dorp Beach Total		**1**	**3**	**0**		**0**	**3**		**7**
Structure 1A, 31	1						1	large piece of pinbush tan plaster, possible pole impression	1
Structure 1A, 37	1						1	coarse-grained plaster	1
Structure 1A Total		**0**	**0**	**0**		**0**	**2**		**2**
Structure 4A, 4	2	1			discarded				1
New Dorp Beach Structure Total		**1**	**0**	**0**		**0**	**2**		**3**
New Dorp Beach Overall Total		**2**	**3**	**0**		**0**	**5**		**10**
93	1		1		discarded	5			6
108, 7.5 S	1		2		discarded				2
Cedar Grove Bungalows Total		**0**	**3**	**0**		**5**	**0**		**8**
129	1						1	plaster fragment	1
130	1						1	cinder block fragment	1
134	1						3	cinder block fragment	3
South End Cedar Grove Beach Total		**0**	**0**	**0**		**0**	**5**		**5**
Cedar Grove Beach Overall Total		**0**	**3**	**0**		**5**	**5**		**13**
603	1						1	ceramic insulator	1
Treatment Plant Total		**0**	**0**	**0**		**0**	**1**		**1**
Study Area B Grand Total		**22**	**31**	**6**		**5**	**11**		**75**

Table B31. Study Area B Faunal and Miscellaneous

		Plastic			Wood	Styrofoam			Other		
STP	**Stratum**	**Pieces**									**Misc. Total**
		count	**shape**	**color**	**count**	**description**	**count**	**description**	**count**	**description**	**count**
6	1	1	plastic molly, discard		2	discard					3
6	2				2	discard					2
7	1								5	paper wads (pulp/fiber), discard	5
15	3				1	discard					1
27	3	1	discard		3	discard					4
31	1	1	discard								1
36	1				4	charred wood (discard)					4
Miller Field Total		**3**			**12**		**0**		**5**		**20**
20, 7.5m W	1	1		red (discard)	1	discard					2
World War II Tower Total		**1**			**1**		**0**		**0**		**2**
Miller Field Overall Total		**4**			**13**		**0**		**5**		**22**
44	1	3	discard								3
New Dorp Beach Total		**3**			**0**		**0**		**0**		**3**
Structure 1A, 45	1	1	melted and burned								1
Structure 2A, 3	1	1	curved	green							1
Structure 2A, 4	1	3	2 plastic screw caps (1 blue, 1 white); 1 weathered								3
Structure 2A, 9	2				1	burnt					1
Structure 2A Total		**4**			**1**		**0**		**0**		**5**
Structure 3A, 2	3						1	white, 1962+, discard			1
Structure 4A, 1	1				1	charred, .25 square, discarded					1
Structure 4, 4	2								20	animal bone	20
Structure 4A Total		**0**			**1**		**0**		**20**		**21**
New Dorp Beach Structure Total		**5**			**2**		**1**		**20**		**28**
New Dorp Beach Overall Total		**8**			**2**		**1**		**20**		**31**

Table B31. Study Area B Faunal and Miscellaneous

		Plastic			Wood	Styrofoam			Other		
STP	**Stratum**	**Pieces**									**Misc. Total**
		count	**shape**	**color**	**count**	**description**	**count**	**description**	**count**	**description**	**count**
89	1								1	cloth, modern, discard	1
93, 7.5m S	1				1	milled wood (discard)					1
94, 7.5m S	1	3	discard		1	discard					4
104	1	1	discard		3	discard					4
104, 7.5m S	1	3	discard		1	discard					4
106	1				1	milled (discard)					1
107	1	2	straw fragments (discard)								2
107, 7.5m S	1	2	1 white tooth paste cap (discard)	1 amber	2	discard					4
108, 7.5m S	1	2	discard	1 white; 1 red							2
110, 7.5m S	1	2	discard	white	3	discard					5
111	1				2	yellow paint (discard)					2
112, 7.5m S					1	discard	1	discard			2
113	1	1	discard	red							1
116, 7.5m S	2	7	4 straw fragments (discard); 1 cigar holder (discard); 2 discard				1	discard	1	straw paper fragment	9
118	1	4	discard	white							4
119	1								8	blue paint chips (discard)	8
120	1	4	1 blue toy soldier (discard); 3 discard				2	discard			6
121	1								1	unidentified shell	1
123	2	1	discard	white			1	discard			2
123, 7.5m S		1	discard	white							1
Cedar Grove Bungalows Total		**33**			**15**		**5**		**11**		**64**

Table B31. Study Area B Faunal and Miscellaneous

		Plastic			Wood	Styrofoam			Other		
STP	**Stratum**	**Pieces**									**Misc. Total**
		count	**shape**	**color**	**count**	**description**	**count**	**description**	**count**	**description**	**count**
126	1				1	discard	2	discard	2	blue paint chips (discard)	5
129	2								2	blue paint chips (discard)	2
139-B	1	1	discard	white							1
142	1								12	paint chips (discard)	12
South End Cedar Grove Beach Total		**1**			**1**		**2**		**16**		**20**
Cedar Grove Beach Overall Total		**34**			**16**		**7**		**27**		**84**
153	1	2	discard	clear, white							2
Oakwood Beach Internal Levee Total		**2**			**0**		**0**		**0**		**2**
631	2	1	discard	black							1
632, 4m W	2	1	discard, base	black							1
West of Treatment Plant Total		**2**			**0**		**0**		**0**		**2**
Treatment Plant Area Total		**4**			**0**		**0**		**0**		**4**
Study Area B Grand Total		**50**			**31**		**8**		**52**		**141**

Table B32. Study Area C Ceramics: Redware Coarse Earthenware.

		Redware Coarse Earthenware				
STP	**Stratum**	**Unglazed**		**Glazed**		**Coarse Earthenware Total**
		count	**comment**	**count**	**comment**	**count**
3-2	1	1	possible flower pot fragment			1
3+7.5N-1	2	2	large flower pot, fragments			2
6 T2, Radial D W	1	1	flower pot fragment			1
Pond 2		**4**		**0**		**4**
10-4	1	1	flower pot fragment			1
15-6	1	1	possible flower pot fragment, appearts burnt, white specks in paste			1
17-2	1	1	flower pot fragment with some eroded black pain, 3.5" diam. Wall sherd			1
Pond 3		**3**		**0**		**3**
55	1	2	flower pot fragments			2
65	1	1	flower pot fragment			1
68	1	1	shallow flower pot fragment, 8" diameter			1
Glover Street		**4**		**0**		**4**
Crescent Beach Grand Total		**11**		**0**		**11**

Table B33. Study Area C Ceramics: Whitewares.

STP	Stratum	Plain		Decorated		Handpainted		Whiteware Total
		count	comment	count	comment	count	comment	count
2-1	2			1	yellow paint across one surface			1
3+7.5N	2	1	body					1
Pond 2		**1**		**1**		**0**		**2**
16-8	2					2	peach and green paint, teacup base, 2.5" footrim	2
Pond 3		**0**		**0**		**2**		**2**
Crescent Beach Grand Total		**1**		**1**		**2**		**4**

Table B34. Study Area C Ceramics: Ironstone.

STP	Stratum	Plain		Decorated		Handpainted		Ironstone Total
		count	comment	count	comment	count	comment	count
45, E1	2			1	molded, 3 raised parallel ribs perpendicular to edge			1
Seawall/Levee Alignment Public		**0**		**1**		**0**		**1**
18-1	2	1	rim, undecorated, from 10" plate					1
Pond 1/Alignment		**1**		**0**		**0**		**1**
2+7.5N	1	1	footrim, possible plate					1
2-2	1	1						1
3-2, Bag 2	2	1	burnt			1	large green leaf and red petal, low-fired, modern	2
3-2, Bag 3	2	5	1 pieces has pink tinge to glaze, 4 pieces are burnt and include a base and a rim			1	large green leaf, .25" thick body	6
3+7.5N-1	2	1	body					1
7-1	1	2	rim and foot fragments of plate					2
Pond 2		**11**		**0**		**2**		**13**
10-4	1	1	curved, .13" thick					1
10-5	1			21	blue linear decoration along interior shoulder, plate			21
Pond 3		**1**		**21**		**0**		**22**
Crescent Beach Grand Total		**13**		**22**		**2**		**37**

Table B35. Study Area C Ceramics: Porcelains and Semi-Porcelains.

		Porcelains					Semi-Porcelains				
STP	**Stratum**	**Semi Plain**		**Semi Decorated**		**Porcelain Total**	**Plain**		**Decorated**		**Semi-Porcelain Total**
		count	**comment**	**count**	**comment**	**count**	**count**	**comment**	**count**	**comment**	**count**
3+7.5N-1	2	1	body			1					0
4-1	1			1	hand-painted, pink and green, fine china	1					0
6 T2, Radial A	2					0	1	thick-walled, no glaze on exterior			1
7-4	1	2	small saucer, no design, estimate. 20th C.			2					0
Pond 2		**3**		**1**		**4**	**1**		**0**		**1**
15-6	1					0			1	flow-blue-like hand-painted, cobalt squiggly lines, probably a serving vessel bowl	1
Pond 3		**0**		**0**		**0**	**0**		**1**		**1**
Crescent Beach Grand Total		**3**		**1**		**4**	**1**		**1**		**2**

Table B36. Study Area C Ceramics: Stoneware and Milk Glass.

		Stoneware			Milk Glass		
STP	**Stratum**	**Plain**		**Stoneware Total**	**Milk Glass**		**Milk Glass Total**
		count	**comment**	**count**	**count**	**comment**	**count**
2-1	1			0	5	adhesive on one surface	5
Pond 2		**0**		**0**	**5**		**5**
15-6	1	1	buff body, very dark brown alkaline glazed interior and exterior, .18" thick, probably vertical walled vessel such as mug or bottle	1			0
Pond 3		**1**		**1**	**0**		**0**
Crescent Beach Grand Total		**1**		**1**	**5**		**5**

Table B37. Study Area C Glass: Clear

STP	Stratum	Clear											Clear Total
		curved	flat	rim				base			date or		
		count	count	count	size	type	date or mark	count	size	type	mark	comment	count
9-1	1	1											1
9-3	1	1											1
9-3	2	8											8
9-4	2	2											2
9-5	1	1										neck fragment, mold line along length, post 1880-1900 (Adams 1975:16)	1
42	1	1										possible restaurant sugar dispenser, 3" diam, peaked convex flutes on vertical axis	1
43	2	1		1	1.5" diam	partial jug neck with part of handle, threaded lip, seam indicates 1903+, weathered						curve piece has convex flutes, .5" wide	2
45, E1	2	2	1	1		partial crown-type lip	1892+					flat piece is wire reinforced, patented 1892+	4
46	1	3						1	2" diam	crescents along footrim			4
47	1	3										weathered	3
48								1	2.25" diam	crescents along footrim, 2 concentric circles on base surface	1903+		1
48	2	3								weathered			3
49	2	1								weathered			1
50	2	3								1 piece has yellow patination, 2 pieces are weathered			3
52	1	4		1		continuous thread lip, small mouth bottle, possible modern beverage,	modern					1 curved is weathered	5
53+7.5	1	1										wavy-stippled surface	1
53+7.5	2	1										weathered	1

Table B37. Study Area C Glass: Clear

STP	Stratum	Clear											Clear Total
		curved	flat	rim				base			date or		
		count	count	count	size	type	date or mark	count	size	type	mark	comment	count
Seawall/Levee Alignment Public		**36**	**1**	**3**				**2**					**42**
18-1	1	1	1									curved:stippled, modern	2
18-1	2	1											1
18-4	2	1										melted	1
19-2	1	7										1 has applied label adhesive on surface	7
19-4	2	2										curved: 1-neck fragment, conical slope, probably modern, tall 16 oz. Bottle; 2-partial label for Pepsi, post 1969	2
20-2	1	3										1 has small stippling, 1 is piece of shoulder, 1 is embossed with "SN" on quasi-stippled backgroung, probably Snapple, 1972+	3
20-4	1	1											1
22-1	1	2											2
22-1	2	3										curved:1 has silver reflective coating on one side, possible head light fragment	3
23-1	1			1	12-16 oz.	continuous thread	est. modern						1
25-1	1		2									1 is safety glass, introduced 1915	2
26	1	3						2					5
26-3	Surface	1										curved: 2 parallel embossed lines on exterior	1
Pond 1/Alignment		**25**	**3**	**1**				**2**					**31**
1-1	1	2	1										3
2+ 7.5N	1	1	2									curved: probably 16 oz., 2.4" diam, evidence of applied	3
2-1	1	10						1		round			11
2-1	2	2	6									1 flat piece has white paint	8

Table B37. Study Area C Glass: Clear

STP	Stratum	Clear											Clear Total
		curved	flat	rim				base			date or		
		count	count	count	size	type	date or mark	count	size	type	mark	comment	count
3-2	1	9	16	2								1 mildly abraided, 9 flat pieces are safety glass c. 1915, 1 rim has down-tolled lip, 1 rim has rolled out lip and is 3.5" diameter	27
3-2, Bag 1	2	8	24									8 pieces of flat are safety glass, introduced c. 1915	32
3-2, Bag 2	2	2	6									4 pieces of flat are safety glass, introduced c. 1915	8
3-2, Bag 3	2	19	24									Curved: 3 have applied label glue, 4 have embossed lines and partial letters, 1 is melted; flat: 22 are safety glass, introduced c. 1915	43
3-2, Bag 4	2	4	3					1	neck and lip	"blob type" lip, possible mineral or soda bottle	ca. 1880s (Munsey 1970:109)	curved: 1 piece with stipling	8
3+7.5N	1	1											1
3+7.5N	2	5	6	1		bottle neck and shoulder	Perry Davis lip, Extract type form, late 19th - early 20th C.					curve: one piece is from lamp shade; 1 flat piece is safety glass	12
3+7.5N-1	1			1								rim of possibly lampshade, raised panels on interior of surface	1
3+7.5N-1	2	1	5	1		bottle neck, small piece		1		crescent-shaped ridges along footrim		2 safety glass, 2 flat pieces with raised circles across surface	8
3+7.5N-1	3	1	1	1		bottle neck, continuous thread	1919+ (Miller 2000:2)					embossed "ea"	3
6 T2,	1		1										1
6 T2, Radial D West	1	1	2										3
7-1	1		1										1
7-1	2	1											1
7-2+7.5N1	1	2	2										4
7-3	1	1	5									curved:embossed"PR", 20th C.	6

Table B37. Study Area C Glass: Clear

STP	Stratum	Clear											Clear Total
		curved	flat	rim				base			date or		
		count	count	count	size	type	date or mark	count	size	type	mark	comment	count
8-2	1		1										1
Pond 2		**70**	**106**	**6**				**3**					**185**
10-1	1	1											1
10-4	1	9		1		medicinal or commercial bottle, lip and neck, cork type, uniform beaded	late 19th-early 20th C					curved: 3 are paneled and molded, embossed "N.3" and "NATIONAL", est. late 19-early 20th C.; two other pieces are from a small, paneled	10
10-5	1	1	3									curved piece has 2 parallel raised edges	4
10-6	1		4	1	1" diam.	continuous thread, possible beverage bottle	modern						5
11-7	1		11										11
13-6	2	1											1
13-7	1	1											1
14-7	1	3											3
15-2	1							1		crescents along footrim	modern		1
15-3	1		1										1
15-6	1	1	1										2
16-3	1		1									wire reinforced, patented 1892	1
16-7	1	2										curved:1 piece is melted, other has embossed "A" on flat paneled surface, possible plate mold bottle, early 1900s (Munsey 1970:176)	2
16-8	1		1										1
16-8	2	2	8					1	3" diam.	unidentified, tapered inward wall			11
17-1	2		9										9
17-2	1		1	1	2.5" diam.	bottle or jar, threaded lip							2
17-2	2		2										2
17-2	2		2										2
17-2	2		1										1
Pond 3		**21**	**45**	**3**				**2**					**71**

Table B37. Study Area C Glass: Clear

STP	Stratum	Clear											Clear Total
		curved	flat	rim				base			date or		
		count	count	count	size	type	date or mark	count	size	type	mark	comment	count
31-1	1	1	1	1		whiskey/gin bottle lip and partial neck	stopper finish style, ca. 1900 (Munsey 1970:31)						3
32-1	1	2										curve: 1 piece -embosed stippled surface	2
33-1	1							1	base is .37" thick	outward angled wall			1
33-1	3	1											1
34	2	1											1
36-1	2	1										mold line	1
36-3	3							1		crescents along footrim		partial mark	1
36-4	1	2											2
36-4	2	1		1		large mouth (2" diam.) continuous thread	approx. later half of 20th C.						2
38-2	1	1											1
38-3	1	3											3
39	3	1											1
39-2	1	5										1 piece of curved glass is melted	5
41	1	3										weathered	3
Pond 4/Alignment		**22**	**1**	**2**				**2**					**27**
57	1	9											9
62	1	3										from bottle with rounded chamfers, probable 20th C commercial bottle	3
Glover Street		**12**	**0**	**0**				**0**					**12**
Crescent Beach Grand Total		**186**	**156**	**15**				**11**					**368**

Table B38. Study Area C Glass: Aqua, Light Green, and Olive Green.

STP	Stratum	Aqua				Aqua Total	Light Green			Light Green Total	Olive Green			Olive Green Total
		curved	flat	base			curved	flat			curved	rim/base		
		count	count	count	comment	count	count	count	comment	count	count	count	comment	count
9-4	2		27		possibly from same pain, .13" thick	27				0				0
47	1					0				0	1		weathered	1
Seawall/Levee Alignment Public		**0**	**27**	**0**		**27**	**0**	**0**		**0**	**1**	**0**		**1**
19-4	2		1			1				0				0
22-1	1	1				1				0				0
22-1	2		4			4				0				0
23-1	1		2		.25" thick	2				0				0
24-4, 7.5m	1		2		caulking adhering to one surface	2				0				0
25-1	1		1			1				0				0
Pond 1/Alignment		**1**	**10**	**0**		**11**	**0**	**0**		**0**	**0**	**0**		**0**
2+ 7.5N	1					0				0	1			1
2-1	2		4		flat pieces are thick walled	4				0				0
3-2	1		1			1	1		melted	1				0
3-2, Bag 1	2		1			1				0				0
3-2, Bag 2	2					0	1		embossed letter fragment on stippled background	1				0
3-2, Bag 3	2	2				2				0				0
3+7.5N	1	1	2			3				0				0
3+7.5N	2	1	1			2				0				0
3+7.5N-1	2		4			4				0				0
3+7.5N-1	3		1			1				0				0
4-1	1	2				2				0				0
7-1	1		1			1				0				0
7-1	2		1			1				0				0
Pond 2		**6**	**16**	**0**		**22**	**2**	**0**		**2**	**1**	**0**		**1**
10-4	1					0				0		1	rim:seam present, 1903+	1
10-5	1	1	5			6				0				0
10-6	1		1			1				0				0
16-5	1					0	1		melted	1				0

Table B38. Study Area C Glass: Aqua, Light Green, and Olive Green.

STP	Stratum	Aqua				Aqua Total	Light Green			Light Green Total	Olive Green			Olive Green Total
		curved	flat	base			curved	flat			curved	rim/base		
		count	count	count	comment	count	count	count	comment	count	count	count	comment	count
16-8	2					0				0	1			1
17-1	2		3			3				0				0
17-2	2		1		safety glass, introduced c. 1915	1				0				0
Pond 3		**1**	**10**	**0**		**11**	**1**	**0**		**1**	**1**	**1**		**2**
31-1	1		1			1				0				0
32-1	1		1			1				0				0
36-4	1	1		1	3" diam, no markings or Pontil, 20th C.	2				0				0
37-3	1					0	1			1				0
Pond 4/Alignment		**1**	**2**	**1**		**4**	**1**	**0**		**1**	**0**	**0**		**0**
57	1					0		1	thick-walled (.25"), weathered	1				0
Glover Street		**0**	**0**	**0**		**0**	**0**	**1**		**1**	**0**	**0**		**0**
Crescent Beach Grand Total		**9**	**65**	**1**		**75**	**4**	**1**		**5**	**3**	**1**		**4**

Table B39. Study Area C Glass: Strong, Bright, and Lime Green.

STP	Stratum	Strong, Bright or Lime Green										Green Total
		curved	flat	rim			base					
		count	count	count	type	date or mark	count	size	type	date or mark	comment	count
9-3	1	5										5
9-3	2	3										3
9-4	2	3										3
45, E1	2	1										1
46	1	1									weathered	1
47	1	1									weathered	1
48	2	2									weathered	2
49	2	1									weathered	1
50	2	3										3
50	2	1									weathered	1
53+7.5	2	1										1
Seawall/Levee Alignment Public		**22**	**0**	**0**			**0**					**22**
19-2	1	1										1
20	1	1										1
20-2	1	9									1 piece embossed with horse or deer head	9
23-4	1	1										1
24-1	1	4										4
Pond 1/Alignment		**16**	**0**	**0**			**0**					**16**
2+ 7.5N	1	8										8
2-1	1		14								three flat pieces are thick-walled, one flat piece has black paint	14
2-1	2	4										4
3-2	1	5										5
3-2, Bag 1	2	5										5
3-2, Bag 3	2	3										3
3-2, Bag 4	2	1										1
3+7.5N	1	1										1
3+7.5N-1	2	3		1	crown-style bottleneck fragment							4
3+7.5N-1	3	1		1	crown-style bottleneck fragment							2

Table B39. Study Area C Glass: Strong, Bright, and Lime Green.

STP	Stratum	Strong, Bright or Lime Green										Green Total
		curved	flat	rim			base					
		count	count	count	type	date or mark	count	size	type	date or mark	comment	count
7-2+7.5N1	1	6		1	threaded small-mouth lip, possible "stubby"	ca. 1960s+					1 curved has unrecongizable embossed shapes that include asterisk, wavy lines, possible tree	7
7-4	1	1										1
Pond 2		**38**	**14**	**3**			**0**					**55**
10-4	1	6										6
10-5	1	1										1
13-1	1	2										2
14-7	1	4										4
15-2	1	1									stipples, modern	1
16-7	1	3										3
17-2	1	1										1
Pond 3		**18**	**0**	**0**			**0**					**18**
34	2						3			20th C	lime green, stippled	3
36-1	2	1									lime green, textured surface	1
36-3	3	1									part of long neck of bottle, lime green	1
36-4	1	1										1
39-2	1			1	crown type lip	lime green, 20th C						1
Pond 4/Alignment		**3**	**0**	**1**			**3**					**7**
Crescent Beach Grand Total		**97**	**14**	**4**			**3**					**118**

Table B40. Study Area C Glass: Amber, Other, and Unidentified.

STP	Stratum	Amber							Amber Total	Other and Unidentified		Other and Unidentified Total
		curved	rim			base						
		count	count	type	date or mark	count	type	comment	count	count	comment	count
9-3	1	14				1	beer bottle, modern	embossed lettering "TTER"	15			0
9-3	2	7				2		"stubby" beer bottle, 1959+	9			0
9-4	2	3	1	continuous thread	c. 1967+	1	stippled base	c. 1967+	5			0
9-5	1					1	bottle base	stippled, raised numbers "15" and 2/16", modern	1			0
42	1	5				1	"shorty" style beer bottle	1959+	6			0
43	2	1						"shorty" style beer bottle, stippled, 1959+	1			0
47	1	1						weathered	1			0
50	2	1							1			0
53+7.5	1	1							1			0
53+7.5	2								0			0
Seawall/Levee Alignment Public		**33**	**1**			**6**			**40**	**0**		**0**
18-1	1	6							6			0
18-1	2								0	3	thick smoke-colored glass glued to clear curved glass, possible skylight	3
18-1	2	2							2			0
19-2	1	2							2			0
20-2	1	5						"A" and eagle embossed, 1964+	5			0
22-1	1	3				1	beer, crescents along footrim	modern beer,	4			0
22-1	2	17						1 is shoulder fragment, this piece and an embossed piece suggests this is a form of drugstore bottle, late 19th-early 20th C. (Munsey 1970:176)	17			0
23-1	1	1							1	1	possible coffee pot lid perculator dome, clear pressed glass, 95% complete, conical dome, 1.75" high, 1.5" diam.	1
23-4	1								0	1	opaque white and yellow streaked, curved, .13" thick	1
25-1	1	2	1					rim has twist-cap style lip, c. 1967+	3			0

Table B40. Study Area C Glass: Amber, Other, and Unidentified.

STP	Stratum	Amber							Amber Total	Other and Unidentified		Other and Unidentified Total
		curved	rim			base						
		count	count	type	date or mark	count	type	comment	count	count	comment	count
26	1					1	"26" inside three embossed concentric circles		1			0
26-3	Surface					1		crescents along footrim, 2 concentric embosed rings on base within footrim	1			0
Pond 1/Alignment		**38**	**1**			**3**			**42**	**5**		**5**
1-1	1	1							1			0
2+ 7.5N	1	7						5 pieces of curved from beer bottle with "A" and Eagle, Anheuser, 1964+	7			0
2-1	1	9						Anheuser Bush logo on two pieces	9			0
2-1	2	10							10			0
3-2	1	3							3	3	1 blue curved piece; 2 opaque glass, 1 is white, 1 is pale	3
3-2, Bag 1	2	2							2			0
3-2, Bag 2	2							embossed "SE"	0			0
3-2, Bag 3	2	1				1	oval body, commercial	vertical embossed lines near base20th C.	2			0
3+7.5N	1	1							1			0
3+7.5N	2	6							6			0
3+7.5N-1	2	9	2	continuous thread	1919+ (Miller 2000:2)	2	crescent ridges	Anheuser Bush logo on one curved piece	13	1	dark amethyst	1
3+7.5N-1	3	1							1			0
7-2+7.5N1	1								0	1	curved smoke grey	1
Pond 2		**50**	**2**			**3**			**55**	**5**		**5**
10-4	1	7							7	2	opaque white	2
10-5	1	6				1		"stubby" bottle, stippled, 1959+	7			0
10-6	1	2							2			0
11-4	1					1	2 piece molded base of bottle	2" diam.	1			0
11-7	1	1							1			0
13-1	1	1							1			0

Table B40. Study Area C Glass: Amber, Other, and Unidentified.

STP	Stratum	Amber							Amber Total	Other and Unidentified		Other and Unidentified Total
		curved	rim			base						
		count	count	type	date or mark	count	type	comment	count	count	comment	count
15-6	1								0	1	black fragment of cone-shaped object, appears to have had a hole at the top of the cone, possible button or top of a shaker bottle	1
16-3	1	2							2			0
16-5	1								0	1	possible faux crystal for lamp or chandelier, mold line along edge of piece, broken ovoid, clear to yellowed, 1.4"x1.3"x.5"	1
16-7	1	3							3			0
17-1	2	1							1			0
17-2	1	1						embossed bottom wall "DON'T LI"	1			0
Pond 3		**24**	**0**			**2**			**26**	**4**		**4**
33-1	3	1				2	crescents on footrim, two concentric embossed circles	1903+	3			0
34	2	1							1			0
36-1	2	2							2			0
36-4	1	2							2			0
36-4	2	4				3	stipples and crescents	embossed "DON'T", 1970s+	7			0
37-3	1	2							2			0
39	3	1							1			0
39-2	1	2							2			0
41	1	3	1	continuous thread, 1.5" diam lip	mol line over lip-1903+ production				4			0
Pond 4/Alignment		**18**	**1**			**5**			**24**	**0**		**0**
65	1	1							1			0
68	1	1							1			0
Glover Street		**2**	**0**			**0**			**2**	**0**		**0**
Crescent Beach Grand Total		**165**	**5**			**19**			**189**	**14**		**14**

Table B41. Study Area C Metal: Square and Round Nails.

STP	Stratum	Square or Cut	Square Nail Total	Whole Round or Wire		Round or Wire		Round Nail Total	Unidentified fragments	All Nail Total
		count	count	count	length	count	comment	count	count	count
9-4	2		0			1	very corroded	1		**1**
48	2		0			1	corroded	1		**1**
Seawall/Levee Alignment Public		**0**	**0**	**0**		**2**		**2**	**0**	**2**
19-4	2		0			1		1		**1**
20-2	1		0			1		1		**1**
Pond 1/Alignment		**0**	**0**	**0**		**2**		**2**	**0**	**2**
2-1	1		0	1	1.5"	2	1" long roofing nails	3		**3**
2-1	2		0	1	1.75"			1	1	**2**
2+7.5N	1		0	1	2.5", 8d	1	2.25" long	2		**2**
3-2	1		0			6		6		**6**
3-2, Bag 1	2		0			1	2.5" long, no head	1		**1**
3-2, Bag 2	2		0			2		2		**2**
3-2, Bag 3	2		0	4	2-2.5", 1-2", 1 is 2.25"			4		**4**
3-2, Bag 4	2		0	2	3.5", 3"			2		**2**
3+7.5N	2	1	1	1	2.5"		8d	1		**2**
3+7.5N-1	2		0			1	fragment, 1 1/4" long	1		**1**
Pond 2		**1**	**1**	**10**		**13**		**23**	**1**	**25**
31-1	1		0	1	3"=10d			1		**1**
33-1	3		0	20	13 are 3"=10d, 4 are 2"=6d, and 3 are 2.5"=8d	3	have multi-strand cotton string attached, good preservation	23		**23**
Pond 4/Alignment		**0**	**0**	**21**		**3**		**24**	**0**	**24**
Crescent Beach Grand Total		**1**	**1**	**31**		**20**		**51**	**1**	**53**

Table B42. Study Area C Metal: Other and Unidentified Metal and Coins.

		Other or Unidentified Metal							Coin		
STP	**Stratum**	**Other**			**Unidentified Form or Concretions**			**Other and Unidentified Total**			
		count	**dimensions**	**comment**	**count**	**dimensions**	**comment**	**count**	**date**	**comment**	**count**
9-3	2	1	flat-head, slotted screw, 1.5" long, .19" thread width		2	1" diam.	1 piece may be a rim	**3**			
48		1	10" long, .25" cross-section, six-sided head		1	1.5" diam., .5" thick	shaped iron, weathered	**2**			
48	2				4		concretions with wire nail fragments imbedded	**4**			
Seawall/Levee Alignment Public		**2**			**7**			**9**			**0**
23-4	1	1		base of hollow-cast toy army figure, possible WWII period	1	3"x.4", .75" diam. Shaft	tapered, possible spike	**2**			
24-1	1	2		1 is crown cap with plastic seal, c. 1960s+; the other is pull-tab, 1962-1973				**2**			
25-1	1	1	.75" long, .38" diam.	bolt, hexagonal head, iron				**1**			
Pond 1/Alignment		**4**			**1**			**5**			**0**
2-1	1	1		metal mesh/screen				**1**			
2-1	2	2		metal mesh/screen				**2**			
2+7.5N	1	3	can base: 3" diam.	partial base of tin can, very corroded; crown bottle cap with plastic seal-1960s+; claw hammer head, very corroded	1		concretion with wire nail fragments imbedded	**4**			
3-2	1	1	.5 x 1.25"	small rectangular piece with small nail, screw head at one end				**1**			
3-2, Bag 1	2							**0**	1980	Lincoln	1
3-2, Bag 3	2	2	spring: 1" long, .75" diam.	coil spring fragment, very corroded; crown bottle cap with plastic seal, 1960s+,				**2**			

Table B42. Study Area C Metal: Other and Unidentified Metal and Coins.

		Other or Unidentified Metal							Coin		
STP	**Stratum**	**Other**			**Unidentified Form or Concretions**			**Other and Unidentified Total**			
		count	**dimensions**	**comment**	**count**	**dimensions**	**comment**	**count**	**date**	**comment**	**count**
3-2, Bag 4	2				1	1.5"x.75"x.25"	iron, thick semi-circle, possible part of ring or eye	**1**			
3+7.5N	2	2	hexnut:.5" wide, .25" thread; hook:.6" diam., 1.25" long	hexagonal nut; small molded brass hook with screw thread				**2**			
3+7.5N-1	1	1	2"x1"	possibly from machinery casing, iron with steelplate on one surface				**1**			
3+7.5N-1	2	1		pull tab, 1963-1975				**1**			
6 T2, Radial A	1	1	1/2" diam	copper tube/pipe				**1**			
6 T2, Radial West	1	1	2.5" long, 1" diam flat head, .19 mm thread width	large screw, wood fragments attached under head				**1**			
6 T2, Radial D West	2				1	3.5"x.5"	thin brass strip fragment, arched along its axis, deteriorated	**1**			
7-2+7.5N1	1	2	4" long, .6" diam	tension spring fragments, very corroded				**2**			
7-4	1	2		tin can fragment with folded lip				**2**			
Pond 2		**19**			**3**			**22**			**1**
10-5	1	1	1.5"x1.25"x.06"	flat piece with holes, similar to gasket from car				**1**			
17-1	2	1	3"x.36"	iron bar, possible railroad spike shaft				**1**			
17-2	1		1	2 piece door hinge and pin closed upon itself, badly corroded, 3.5"x2"x.75", iron				**0**			

Table B42. Study Area C Metal: Other and Unidentified Metal and Coins.

		Other or Unidentified Metal							Coin		
STP	Stratum	Other			Unidentified Form or Concretions			Other and Unidentified Total			
		count	dimensions	comment	count	dimensions	comment	count	date	comment	count
Pond 3		**2**			**0**			**2**			**0**
32-1	1	1		iron rod, .25" diam, 3.6" long, very corroded				**1**			
34	2	1	2.75"X.75"x .09"	spring/clasp, made from spring steel, unidentified function				**1**			
36-4	2	1	2.25" diam	tin seal for can or bottle				**1**			
41	1	1	3.5" long, .19" diameter	possibly hook, based on wire nail form				**1**			
Pond 4/Alignment		**4**			**0**			**4**			**0**
Crescent Beach Grand Total		**31**			**11**			**42**			**1**

Table B43. Study Area C Construction Materials: Bricks.

STP	Stratum	Whole or Nearly Whole			Brick Fragments		Brick Total
		count	dimensions	comment	count	comment	count
23-4	1				1	white paint on 1 surface	1
Pond 1/Alignment		**0**			**1**		**1**
6 T2	2	1	3.25"x2.13"	"FBCo" impressed within sunken panel	1	corner, 2.13" thick, sunken panel	2
6 T2, Radial D West	2				1	3" wide, 2" thick, red	1
Pond 2		**1**			**2**		**3**
13-6	2				1	orange	1
16-3	1	1	4.5"x3.5"x2"	red, stamped, raised lettering "S&" within inset panel	2	red	3
16-8	1	1	7.75"x3.25"x 2"	red, stamped, raised lettering "RICHMOND" within inset panel			1
Pond 3		**2**			**3**		**5**
31-2	1				2	red	2
Pond 4/Alignment		**0**			**2**		**2**
Crescent Beach Grand Total		**3**			**8**		**11**

Table B44. Study Area C Construction Material: Tiles.

STP	Stratum	Mortar or Cement Fragments		Drain/Sewer Tile		Floor or Wall Tile		Other/Unidentified Tile		Tile Total
		count	comment	count	comment	count	comment	count	comment	count
9-3	1					1	ceramic, white body, pink glaze			1
42						1	ceramic, buff paste, unglazed, .5" thick			1
45, E1	2					3	one piece is marbleized white, brown, pink glaze, .19" thick; two pieces have white paste with white glaze, .25" thick			3
50	2					4	redware with opaque glaze, linear and floral line designs			4
50	2					1	redware with opaque glaze, linear and floral line designs			1
Seawall/Levee Alignment Public		**0**		**0**		**10**		**0**		**10**
18-1	2			3	brown coarse earthenware, dark brown glazed surface					3
20	1			2	1-ceramic white eartheware with black glaze, .25" thick, 1-porcelain with honey-colored glaze					2
20-3	2			1	coarse redware with black stripe, .63" thick					1
22-1	1					5	1 whole tile, 1.4" square with rounded corners, light gray or white glaze, .19" thick; other pieces have white paste with white or light gray glaze, .38" thick			5
22-1	2					1	white earthenware ceramic tile with white glze and possible decal dot pattern, 1908+ for decaled tableware			1
22-2	2					1	ceramic, Robin blue glaze, .25" thick			1
23-4	1	1								0
24-1	1	1								0

Table B44. Study Area C Construction Material: Tiles.

STP	Stratum	Mortar or Cement Fragments		Drain/Sewer Tile		Floor or Wall Tile		Other/Unidentified Tile		Tile Total
		count	comment	count	comment	count	comment	count	comment	count
24-2	1					6	4 are white earthenware ceramic with robin-blue glaze, .25" thick; 1 is gray earthenware ceramic with white glaze, .19" thick; 1 is porcelain with mottled tan and white spatter glaze, .19" thic, 1.13" square			6
26	1	1	white paint on one surface			1	gray earthenware ceramic with grey glaze, tapered rim toward back of tile, .3" thick			1
26-3	Surface							1	redware with white glaze	1
Pond 1/Alignment		**3**		**6**		**14**		**1**		**21**
2.1	1					2	gray, possibly marble	8	linoleum tiles, 1 is red with adhesive on back, seven are white	10
2-1	2							13	linoleum tiles, white	13
3-2	1			1	salt-glazed	5	2 green glaze with white speckles; 1 yellow; 2 ceramic white body with yellow glaze	4	linoleum tiles, three white, one brown	10
3-2, Bag 1	2					1	porcelain, green glaze with white speckles	1	yellow bodied, glazed, discarded	2
3-2, Bag 3	2	2	burnt, grey, discarded			3	1 porcelain, green with white specks, white paint on surface, 1" square, .19" thick, 1 ceramic with yellow glaze, .25" thick, 1 ceramic with white body and no glaze	4	3 pieces of brown linoleum, 1 piece of white linoleum	7
3-2, Bag 4	2					1	ceramic tile, white body, pinkish gray glaze, .31" thick, embossed base "ID STATE" "5 MADE IN"	1	brown, molded wood pattern	2

Table B44. Study Area C Construction Material: Tiles.

STP	Stratum	Mortar or Cement Fragments		Drain/Sewer Tile		Floor or Wall Tile		Other/Unidentified Tile		Tile Total
		count	comment	count	comment	count	comment	count	comment	count
3+7.5N	1			1	pipe fragment, buff paste, salt-glazed					1
3+7.5N	2			13	pipe fragment, buff paste, salt-glazed			1	stoneware tile, gray paste, blue-green glaze	14
3+7.5N-1	2					8	yellow glazed			8
6 T2	2	1	mortar							0
7-2+7.5N1	1					1	porcelain, reddish-brown glaze, .3" thick	1	brown linoleum, undefined molded pattern, linoleum introduced in 1863	2
Pond 2		**3**		**15**		**21**		**33**		**69**
10-1	1			1	brown glaze, small fragment					1
10-4	1					1	porcelain, white/clear glaze, .19" thick	2	asbestos tile, discarded	3
10-5	1	1	modern, 20th C.	1	buff coarse earthenware with white glaze			2	asbestos tile, gray, discarded	3
10-8	1			1	dark brown interior and exterior glaze, coarse earthenware, .75" thick					1
11-3	1			1	dark brown exterior glaze, coarse earthenware, buff body, poor condition					1
11-3	2			1	red brick matrix, no glaze					1
12-1	1			2	red brick matrix, no glaze					2
14-6	1					1	porcelain, .31" thick, clear glaze			1
15-3	1			2	red brick matrix, no glaze					2
15-3	2					1	white earthenware, white glaze, buff paste, .38" thick			1
15-6	1			1	dark red coarse earthenware, very dark brown glzed interior and exterior					1
16-2	2					1	buff paste, shaped surface varies in thickness from 1/4" to 1/2" thick, mortar adhering to part of surface			1

Table B44. Study Area C Construction Material: Tiles.

STP	Stratum	Mortar or Cement Fragments		Drain/Sewer Tile		Floor or Wall Tile		Other/Unidentified Tile		Tile Total
		count	comment	count	comment	count	comment	count	comment	count
16-3	1					1	white earthenware, unglazed			1
16-8	1					1	buff/pink paste, white glaze	1	redware, unglazed, black stripe, .13" thick	2
16-8	2					1	redware with white glaze			1
17-1	2							1	linoleum fragment, white surface, .13" thick	1
17-2	1							5	1-linoleum fragment, white and green, .06" thick; 4-asbestos tile, painted light	5
17-2	2					1	ceramic, white paste, white glaze, 5/16" thick	2	asbestos tile, yellow painted surface, .13" thick	3
Pond 3		**1**		**10**		**8**		**13**		**31**
36-4	2					1	ceramic, buff body, pink glaze, .25" thick			1
Pond 4/Alignment		**0**		**0**		**1**		**0**		**1**
65	1							1	cement 1" wide block	1
Glover Street		**0**		**0**		**0**		**1**		**1**
Crescent Beach Grand Total		**7**		**31**		**54**		**48**		**133**

Table B45. Study Area C Construction Materials: Asphalt, Slag, Roofing Shingles, and Other.

STP	Stratum	Asphalt	Slag/ Clinker		Roofing Shingle		Other	
		count	count	comment	count	comment	count	comment
18-2	1		1	discarded				
22-1	2		1	discarded				
24-4, 7.5m	1				2	asphalt, discarded		
26-3	Surface						1	old railroad-telegraph porcelain insulator, mottled brown glaze, 3.5"tall, 3.5" diameter base, internal thread complete, ca. 1915-1940 www.insulators.com/porcelain/history.htm
Pond 1/Alignment		**0**	**2**		**2**		**1**	
2.1	1				7	asphalt		
2-1	2				4	asphalt	1	plaster
3-2	1				5	asphalt, 4 discarded	15	6 panelling fragments, 4 formica board fragments, 4 composite board fragments, 3 piece of fiberglass insulation (white, pink, discarded)
3-2, Bag 1	2				2	asphalt	11	7 composite board, modern; 1 fiberglass insulation; 2 formica board fragments; 1 piece of masonite
3-2, Bag 2	2				1	asphalt, discarded	3	2 composite board, modern; fiberglass insulation, 2" diam. patch, pink, discarded;
3-2, Bag 3	2				4	asphalt, discarded	16	8 pieces of silicone calking-discarded; 8 pieces of composite board, modern-discarded
3-2, Bag 4	2						12	10 pieces of fiberglass insulation, pink and white, introduced 1938, discarded; 2 pieces of plaster with discolored silver paint

Table B45. Study Area C Construction Materials: Asphalt, Slag, Roofing Shingles, and Other.

STP	Stratum	Asphalt	Slag/ Clinker		Roofing Shingle		Other	
		count	count	comment	count	comment	count	comment
3+7.5N	1						1	composite board
3+7.5N-1	2						1	possibly silicon window caulking-discarded
7-1	1				1	asphalt, discarded		
7-2+7.5N1	1		1	discarded			1	insulator, porcelain
Pond 2		**0**	**1**		**24**		**61**	
14-6	1	1		discarded				
17-1	2				1	asphalt, discarded		
17-2	1		1	discarded			1	fiberglass and resin, aqua, tan paint on outer surface; 1936 innovation
Pond 3		**1**	**1**		**1**		**1**	
33-1	1						1	copper piping, .75" diam., 5.25" long-modern, has nylon capet fragment attached
33-1	3						1	cement paver, 1.75" thick, appears to have dark green painted outer and inner surfaces
35	2	3		discarded				
Pond 4/Alignment		**3**	**0**		**0**		**2**	
55	1						1	linoleum, on white or beige marbleized design, linoleum was first coined in 1863
65	1						1	linoleum, brown, molded wood-like pattern, linoleum 1st termed in 1863
Glover Street		**0**	**0**		**0**		**2**	
Crescent Beach Grand Total		**4**	**4**		**27**		**67**	

Table B46. Study Area C Faunal Material: Bone and Shell.

STP	Stratum	Bone General		Bone Total	Shell General	Shell Oyster	Shell Clam	Shell Total	Faunal Total
		count	comment	count	count	count	count	count	count
9-3	1			0	7		2	9	9
9-3	2			0	5			5	5
9-4	2			0			3	3	3
52	1			0			3	3	3
Seawall/Levee Alignment Public		**0**		**0**	**12**	**0**	**8**	**20**	**20**
20-2	1	3	2 are long bone fragments of a small mammal, the other is a scapula fragment of small mammal	3				0	3
24-1	1			0			1	1	1
Pond 1/Alignment		**3**		**3**	**0**	**0**	**1**	**1**	**4**
1-1	1			0			3	3	3
2+7.5N	1			0	7		5	12	12
2-1	1			0			5	5	5
2-1	2			0			1	1	1
2-2	1	1	left proximal tibia of large mammal	1				0	1
2-2	1	1		1				0	1
3-2	1			0		9		9	9
3-2, Bag 1	2			0			1	1	1
3-2, Bag 2	2			0	1			1	1
3-2, Bag 3	2			0	3		1	4	4
3+7.5N	1			0			3	3	3
3+7.5N	2			0	1			1	1
3+7.5N-1	2			0			4	4	4
7-2+7.5N1	1			0	4		1	5	5
Pond 2		**2**		**2**	**16**	**9**	**24**	**49**	**51**
10-4	1			0	5			5	5
10-5	1			0	3			3	3
11-1	2	1	long bone fragment, medium-size mammal	1				0	1
11-7	1			0	1			1	1
12-1	1			0	1			1	1
13-1	1			0	1			1	1
14-6	1			0	1			1	1
Pond 3		**1**		**1**	**12**	**0**	**0**	**12**	**13**
38-2	1			0	2		1	3	3
39	3			0	3			3	3
39-2	1			0	1			1	1
41	1			0	2			2	2
Pond 4/Alignment		**0**		**0**	**8**	**0**	**1**	**9**	**9**
62	1	3	possible long bone of medium size mammal	3				0	3
68	1	1	rib fragment of medium size mammal	1				0	1
Glover Street		**4**		**4**	**0**	**0**	**0**	**0**	**4**
Crescent Beach		**10**		**10**	**48**	**9**	**34**	**91**	**101**

Table B47. Study Area C Miscellaneous Material: Plastic, Wood, Styrofoam, and Other.

STP	Stratum	Plastic Pieces			Wood		Styrofoam		Other		Misc. Total
		count	shape	color	count	description	count	description	count	description	count
9-3	1	3	screw cap, 1.25"X.31" diam., 1 flat piece, 1 semi rigid film, all discarded	cap is red, flat piece is yellow							3
9-3	2	1	candy-bar wrapper, unidentified brand, ingredient listing, discarded								1
9-4	2								2	rubber, possible burnt tire fragments	2
45, E1	2	3	rigid plastic, 1 pieces is t-shaped, 1" long, another is part of refrigerator tray	t-shaped piece is blue, refrigerator tray is white, other piece is white							3
50	2								4	vinyl film, gray and blue painted surface	4
52	1						1	introduced 1962, discarded			1
Seawall/Levee Alignment Public		**7**			**0**		**1**		**6**		**14**
18-1	2	1	film, semi-rigid	amber							1
19-4	2								1	synthetic car heater hose, reinfoced, .6" thick, 1"diam.	1
20-2	1	1	rigid, possible automotive, c.1950s+	red							1
24-1	1	2	1 is disposable cup rim fragment, 1 is rigid piece, .75" lonf, .13" diam.-all discarded	cup: white; rigid piece is white			4	discarded			6
24-4, 7.5m	1	3	1 is bottle cap, threade; 1 is cigarette filter, 1 is film packaging, all discarded	bottle cap is white					1	cardboard bottle-cap seal, 1.19" diam, discarded	4
25-1	1	1	molded, discarded	light blue							1
26-3	Surface	2	1- rigid gray, unidentified form, .25" diam, .5" long; 2-rigid white bottlecap fragment, modern-all discarded								2
Pond 1/Alignment		**10**			**0**		**4**		**2**		**16**

Table B47. Study Area C Miscellaneous Material: Plastic, Wood, Styrofoam, and Other.

STP	Stratum	Plastic Pieces			Wood		Styrofoam		Other		Misc. Total
		count	shape	color	count	description	count	description	count	description	count
1-1	1	2	straw; film, poychrome lettering "CHEESE F", discarded	white straw; lettering on film is yellow and red	1	cut, burnt	2	large grain, possibly for packaging, discarded			5
2+7.5N	1	2	bottle caps, 1 is beverage, both white, discarded								2
2-1	1	2	stirrer, straw	stirrer is blue, straw is white and							2
2-2	1	1	rigid	ivory							1
3-2	1	3	cigarette filter, cigarette package film, thin plastic cup- all discarded		3	charred, discarded					6
3-2, Bag 1	2				13	5 painted silver and green; 9 wood paneling fragments					13
3-2, Bag 2	2	1	unidentified, possible casing for part of car engine	black	1	painted silver over green, 2"x.5"x.06"	1	cup, 1962+, discarded			3
3-2, Bag 3	2	2	cup fragments, discarded	clear	1	paint fragment, silver, discarded	2	white syrofoam, introduced 1962, discarded			5
3-2, Bag 4	2	1	film, discarded	white with red and blue linear print							1
3+7.5N	1								1	coal	1
3+7.5N	2	2	1 clear plastic cigarette packaging; 1 rigid, .75"	rigid piece is semi-opaque white	1	silver paint chip on wood sliver					3
3+7.5N-1	2	1	mesh/screen	black					3	nylon rug fragments	4
6 T2,	2								2	coal, discarded	2
7-1	2								3	vinyl record fragments, 331/3 rpm, pre-"unbreakable record", ca. 1950s-1970s	3
7-2+7.5N1	1	1	cup rim, discarded								1
Pond 2		**18**			**20**		**5**		**9**		**52**
10-2	1								1	bamboo type plant, discarded	1
10-4	1								2	1 is piece of rubber, 2.5"x1"x.13"; 2 is thin, flat piece of cut stone, .5" diameter, brown	2
10-5	1	3	1 piece is flat, 2 are blobs	flat piece is green, blobs are red and clear							3

Table B47. Study Area C Miscellaneous Material: Plastic, Wood, Styrofoam, and Other.

STP	Stratum	Plastic Pieces			Wood		Styrofoam		Other		Misc. Total
		count	shape	color	count	description	count	description	count	description	count
14-7	1						2	cup fragment, introduced 1962, discarded			2
15-6	1								1	aluminum foil, introduced 1947	1
16-2	2						2	discarded, invented 1944			2
16-7	1	1	rigid, .75" triangle	opaque yellow							1
16-8	2	1	semi-rigid, flate	white							1
17-2	1	2	rigid - 2"x1.5"x.1"; semi-rigid coffee cup lid fragment--both discarded	rigid piece is yellow; cup lid is white							2
17-2	2						1	introduced 1962, discarded			1
Pond 3		**7**			**0**		**5**		**4**		**16**
34	2	2	plastic BIC pen tip (1958+); flat white rigid fragment	clear; white					3	1-aluminum foil fragment, 2-white vinyl film, "UNDER PENALTY OF LAW", possibly a bed or furniture tag, uniform registry label now required by 32 states.	5
36-4	2	1	bottle cap, spin type, plastic seal; 1960s+								1
41-2	1	1	manufacturing tag, 1.5" diam, molded green tag, side 1:"Permalink" and "DOMINION FEND & WIRE PRODUCT LTD", side 2:"MADE IN CANADA" below maple leaf								1
Pond 4/Alignment		**4**			**0**		**0**		**3**		**7**
55	1	1	rigid	white							1
71	1	4	condom wrapper, white bottle cap, coffe cup lid, plastic product film with bar code				2	1962+	2	aluminum foil, introduced 1947	8
Glover Street		**5**			**0**		**2**		**2**		**9**
Crescent Beach Grand Total		**37**			**15**		**15**		**17**		**84**

Appendix C
ARTIFACT REFERENCE TABLES

Table C1.
General Outline of Red Earthenware, Refined Earthenware, Yellow ware and Porcelain Ceramic Artifact Types

Type of Ceramic	Dates of Manufacture	Reference
Red Earthenwares		
Red earthenwares are typically wheel thrown, although machine made redwares were made for drain pipes and tiles. They can be unglazed and undecorated, as well as lead-glazed. Unglazed redwares are in various forms, and are used as flower pots, sewer and drain pipes, as well as utilitarian and tablewares. In general they were made from 1800 to the present (Stelle 2001; Barber and Hamell 1971; Turnbaugh 1985).		
Hand-made terra cotta field-drain in U.S., wheel thrown drain pipes and tiles	1835-1860	Klippart 1861: 27.
Machine-made terra cotta field-drain tiles, machine made drain pipes and tiles	1848-present	Klippart 1861: 27.
Refined Earthenware		
"Jackfield-type" refine earthenware has a purple-gray or red paste. The surface treatment consists of oil gilded in floral and foliate designs. These vessels are tableware for tea and pitchers. They were made in England.	1740-1800	Barker & Halfpenny 1990: 34-35; Noël Hume 1970: 123.
American Yellow ware		
Yellow wares have yellow (Rockingham or Bennington) or yellow-brown paste. Vessels are molded. They are generally utilitarian and kitchen wares, including bowls, pitchers, and chamber pots, although Rockingham or Bennington vessels vary more greatly and include figurines. They are made in the USA and England.		
Annular, clear lead or alkaline mix: white, blue, brown or black bands or rings around rims or shoulders	1840-1900	Stelle 2001; Ketchum 1971
Rockingham or Bennington, yellow glazed and then dipped in glaze compound of red lead, clay, ground feldspar, and flint with manganese which resulted in a brown glaze, Rockingham, England; limited potteries in NY; best known Bennington, Vermont	1788+; mid 1800s	Noel Hume 1970:101; Spargo 1926:87, Ketchum 1987:33-34
Undecorated, clear lead or alkaline mix: white, blue, brown or black bands or rings around rims or shoulders	circa 1827-1922 (mid- to late 19th century)	Stelle 2001; Ketchum 1971
Porcelain		
The paste of porcelain is composed of white clay mixed with various additives such as soapstone or partially vitrified glass. There are two types of porcelain: hard paste and soft paste. The hard paste is fired at a higher temperature and is thus more vitrified. Porcelain was first manufactured by the Chinese and then the Japanese. The Portuguese introduced Europe to porcelain in 1518. It was not until the late 19th Century that porcelain was common in the New World. Porcelains are generally molded, and are tablewares of plates, cups, and serving dishes.		
Porcelains made in China or Japan and exported to Europe and New World	ca. 1550-1840s	Deagan 1987:29, 96-103
Western porcelains were and are made in Europe and the New World	1875+	
"Industrial" porcelain has a coarse matrix, it is usually thick-bodied, includes insulators, bathroom fixtures, and architectural elements	c. 20th Century	

Table C2. General Outline of Tin-Glazed Earthenware, Creamware, Pearlware, Whiteware, Ironstone, and Production Dates of Printed Wares

Type of Ceramic	Dates of Manufacture	Reference
Creamware		
Creamwares are wheel thrown earthenwares with a yellow or cream colored paste. Surface treatment is a clear lead glaze. Some creamwares are feather edged as a rim decoration. This type is a tableware and occurs in a variety of forms. The general dates for creamware are ca. 1780-1820 (Noel Hume 1970, South 1972).		
Overglaze printing on creamware first shipped to America	1762	Price 1948:35
Creamware, dates dependent on the shade of the creamware. Dark colored creamware dates from ca. 1762 to ca. 1780. See light-colored creamware.	1762-1820	Noël Hume 1970:125-126
Enameled creamware.	1765-1815	Noël Hume 1970:126-128
Lined: enameled or underglaze brown or blue lines parallel to rims of creamware & pearlware tableware. Later as green lines on hotelware.	1770-1825	Finer & Savage 1965:116-118; Miller 1991a:7
Shell-edged creamware.	1774-1800	Miller & Hunter 1990:202-204; Hunter & Miller 1994:433-435
China glaze, Chinese motifs, blue painted.	1775-1810	Miller 1987:87; Miller & Hunter 2001
Underglaze floral blue painting on pearlware.	1775-1830	Miller 1987; Miller & Hunter 2001
Light-colored creamware: gets lighter in shade through time. This in part results from refining iron out of lead glaze. By 1790, light-colored creamware referred to as CC ware & was cheapest refined ware. Rare on tea wares after 1812, but continued on toilet ware well into the 19th century.	1775-1820	Noël Hume 1970:126-128; Miller 1991a:5; Miller 1993:4-6; Miller, Martin, & Dickinson 1994:222-223
Dip creamware.	1790-1820	Noël Hume 1970:132; Rickard 1993:184
Brown lines painted parallel to the rim of tableware, underglaze, usually on creamware. Blue lines usually occur on pearlware.	1810-1833	Miller 1991a:7
Pearlware		
Pearlwares have white paste that is typically had and compacted. Most vessels are molded, although green and blue shell-edged plates and feather-edged tableware are wheel thrown. Most pearlwares have a clear lead glaze, and usually have small amounts of cobalt for whitening, which leaves a blue tinge at crevaces such as near the footrim. Pearlware is a tableware, and is seldom undecorated. Flow-blue pearlwares were produced ca. 1820s-1900, and are largely mid-19th Century). Decorations include annular (1795-1890), feather-edged (after 1800-1830), shell-edged plates (1780-1830/1900), hand painted floral desings on plates, cups, and saucers (1795-1815), transfer-print on plates and cups (1795-1860), and Sponge or Spatter on a variety of forms (19th Century).		
Pearlware, blue-painted, non-Chinese motifs.	1779-1830	Miller 1987:87
Rococo shell-edged blue or green under the glaze.	1780-1815	Miller & Hunter 1990:115; Hunter & Miller 1994:434-436
Variegated (dipt) pearlware.	1782-1810	Miller 1987:91; Miller 1991a:6-7
Underglaze printing on pearlware.	1783-1830	Shaw 1829:214
Underglaze black printing. Jug dated 1790 in a Litchfield auction catalog.	1790-1830	Litchfield 1990
Lustre decoration.	1790-1840	South 1978:figure 1
Polychrome-painted China glaze wares with Chinese patterns.	1795-1810	Miller & Hunter 2001
Underglaze painted polychrome pearlware, floral patterns.	1795-1830	Miller 1991a:8
Willow pattern on pearlware	1795-1830	Noël Hume 1970:130
Mocha	1795-1840	Miller 1991a:7; Rickard 1993:184
Even scalloped blue or green shell-edged pearlware with impressed patterns.	1800-1835	Miller & Hunter 1990:116

Table C2. General Outline of Tin-Glazed Earthenware, Creamware, Pearlware, Whiteware, Ironstone, and Production Dates of Printed Wares

Type of Ceramic	Dates of Manufacture	Reference
Royal coat of arms as part of potters' makers' mark.	1800-present	Godden 1964:11
Stippling in printed pearlwares.	1807-1830	Coysh & Henrywood 1982:9
Brown lines painted parallel to the rim of tableware, underglaze, usually on creamware. Blue lines usually occur on pearlware.	1810-1833	Miller 1991a:7
Whiteware		
Whitewares are white paste earthenwares. These vessels are molded with a clear, generally colorless glaze. Some, especially blue shell-edged, have cobalt added, which can leave a blue tinge at crevaces such as near the footrim. Whitewares occur in a variety of tableware forms, with annular whiteware also occuring on utilitarian wares. In general, whiteware were produced from ca. 1820 onward. Flow-blue whiteware was produced predominantly 1840-1860, annular from 1830-1900, and transfer-printed 1830 to today.		
Whiteware production begun at Wedgwood, not common on American sites until after 1820.	1805-present	des Fontaines 1990:4; Price 1979:11; Noel Hume 1970:130-131).
Stone Chinas, decorated.	1805-1840	Miller 1991a:8-9
London- or Grecian-shaped teacup.	1810-1840	
Printed pattern names as part of markers' mark.	1810-present	Godden 1964:11
Introduction of the three-chambered slip cup for making common cable dipt wares.	1811	Rickard 1993:185
Embossed blue- and green-edge ware.	1820-1835	Miller & Hunter 1990
Red, green, purple, and brown-printed white wares.	1828-present	Shaw 1829:214
Appearance of chrome colors on painted white wares, underglaze red being a good indication of this. Stems of flowers for this group usually painted black vs. brown on earlier polychrome-painted wares.	1830ca	Miller & Hunter 1990; Miller 1991a:8
Unscalloped blue shell-edge with simple repeating lightly impressed patterns.	1840-1860	Miller & Hunter 1990:117
Flow blue printed wares first imported to North America.	1845	Collard 1984:17
English Registration Marks (Diamond Pattern)	1842-1867	Snyder 2000:37-38

Table C2. General Outline of Tin-Glazed Earthenware, Creamware, Pearlware, Whiteware, Ironstone, and Production Dates of Printed Wares

Type of Ceramic	Dates of Manufacture	Reference
Ironstone		
Ironstone is a white paste molded earthenware. Refined ironstone has a hard paste and a clear glaze. Refined ironstone is plain without any decoration, and was used as a tableware from 1800 to 1899. Ironstone is also known as hotel ware or hotel china, manufactured from 1890-1930. Vessels come in a variety of forms, and decoration includes decaled, transfer-printed, hand-painted, and shell-edged.		
Mason's ironstone china.	1813-1900	Noël Hume 1970:131
White granite begins as a vitrified ware, but later white granite is often just a high-fired earthenware.	1842-1930	Miller 1991a:10, 1993:5-6
Cut-sponge stamped wares.	1845-1930	Miller 1991a:6
Victorian Majolica.	1851	Wakefield 1962:84
Blue shell-edged, unscalloped & unmolded.	1865-1895	Miller & Hunter 1990:117
"Bright gold" gilding, also known as "liquid gold" on English wares.	1870-present	Miller 1991a:10
"Ivory" body introduced in U.K.	1875-1890ca	Samford 1997:19
Japanese-style patterns printed on English wares.	1875-1900	Miller 1991a:9
Decalcomania on English wares.	1890-present	Shaw 1900:XIX
Underglaze color decals introduced.	1908	Conroy 1998:350
Narrow marley hotel ware plates introduced.	1933	Conroy 1998:325
Patterns on Printed Wares	**Mean Production Dates**	**Reference**
Chinese patterns on China glaze/pearlware (22 patterns).	1797-1814	Samford 1997:6
British views (401 patterns).	1813-1839	Samford 1997:6
Chinoiserie-style patterns (33 patterns).	1816-1836	Samford 1997:6
Negative dark blue patterns (122 patterns).	1819-1835	Samford 1997:20
Pastoral views (88 patterns).	1819-1836	Samford 1997:6
Exotic views (214 patterns).	1820-1842	Samford 1997:6
American views (192 patterns).	1826-1838	Samford 1997:6
American historical views (49 patterns).	1826-1842	Samford 1997:6
Classical views (104 patterns).	1827-1847	Samford 1997:6
Two-color printed wares (18 patterns).	1831-1846	Samford 1997:20
Romantic views (376 patterns).	1831-1851	Samford 1997:6
Floral central patterns (56 patterns).	1833-1849	Samford 1997:6
Gothic views (20 patterns).	1841-1852	Samford 1997:6
No central view (11 patterns).	1868-1878	Samford 1997:6
Brown-printed patterns on ivory body (24 patterns).	1881-1888	Samford 1997:20
Japanese views (44 patterns).	1882-1888	Samford 1997:6
Black-printed patterns on ivory body (26 patterns).	1883-1889	Samford 1997:20

Table C3. General Outline of Stoneware Ceramic Artifact Types

Type of Ceramic	Dates of Manufacture	Reference
Stoneware		
Stonewares have a variety of paste colors. Albany, Bristol, and salt-glazed are gray-pink, buff, or yellow-red, while plain or unglazed stonewares have paste that is light brown, cream, or gray. All stonewares were molded, although Bristol was molded and wheel thrown. Vessels were mostly utilitarian crocks, jugs, or mugs, but some tablewares are found. In general, stonewares were made from 1775 into the 1900s.		
Poorly made bellarmines.	1620-1700	Noël Hume 1970:56-57
Rhenish stoneware with sprig molding, combed lines, blue and purple decoration.	1650-1750	Noël Hume 1970:280-281
Fulham brown salt-glazed stoneware (Dwight's patent) 1684.	1671-1775	Oswald, Hildyard, & Hughes 1982:24
Nottingham stoneware (lustred) production begins before 1684. Dwight sues Nottingham potters for infringement of his stoneware patent in 1684.	1683-1810	Oswald, Hildyard, & Hughes 1982:102
Embellished Höhr grey Rhenish stoneware.	1690-1710	Noël Hume 1970:284
Eler's dry-bodied red stoneware.	1690-1715	Noël Hume 1970:120-121
Westward, stamped blue floral devices, geometric designs.	1700-1775	Noël Hume 1970:284-285
American salt-glazed stoneware.	1705-1930	Ketchum 1991:86
Staffordshire refined dry-bodied red stonewares.	1750-1780	Barker & Halfpenny 1990:44-46
Black Basalt, also called Egyptian black.	1750-1850	Edwards 1994:33-35
Engine-turned red stoneware.	1763-1775	Noël Hume 1970:121
Albany slip	1805-1920 (Ramsey) 1775-1900s in general; locally 1825-1940, less common after 1910	Ramsey 1939:21-22, 59; Stelle 2001; Noel Hume 1970:100-101; Turnbaugh 1985:22; Ketchum 1987

Table C3. General Outline of Stoneware Ceramic Artifact Types

Type of Ceramic	Dates of Manufacture	Reference
White-bodied Stonewares	**Dates of Manufacture**	**Reference**
White bodied stonewares are related to ironstone, and often cannot be distinguished. These stonewares have a white paste with clear glaze, and are mostly molded but can also be wheel thrown. See Ironstone for further discussion.		
Slipped white salt-glazed stoneware.	1715-1775	Noël Hume 1970:114-115
Scratch-brown white salt-glazed stoneware, earliest dated piece is 1723. Fairly rare on American sites.	1720-1730	Mountford 1971:plate 58
White salt-glazed stoneware, earliest dated piece, 1720. Noël Hume gives 1805 as end date, but these wares rare after 1790.	1720-1805	Noël Hume 1970:115-117
Shaw brown-slipped stoneware.	1733-1750	Noël Hume 1970:118-119
Molded white salt-glazed stoneware.	1740-1765	Mountford 1971:30,32,40
Scratch-blue white salt-glazed stoneware.	1744-1775	Mountford 1971:48-51
Enameling on white salt-glazed stoneware.	1746-1775	Mug dated 1746, Dewitt Wallace Gallery, Colonial Williamsburg South 1978: Figure 1
Littler's Blue	1750-1765	South 1978: figure 1
Transfer printed white salt-glazed stoneware.	1755-1765	Mountford 1971: 60-62
Debased scratch-blue white salt-glazed stoneware (scratch-and-fill technique continues on pearlware).	1765-1795	Noël Hume 1970:118
Stone Chinas, decorated.	1805-1840	Miller 1991a: 8-9,
Mason's ironstone china; these dates should not be used for undecorated ironstone, see White Granite above.	1813-1900	Noël Hume 1970:131; Miller 1991a: 9-10
Bristol white-glaze lined wares.	1835-present	Oswald, Hildyard, & Hughes 1982:19
White granitte, also known as white ironstone (see also Miller 1991b, 1991c, 1992).	1842-1930	Miller 1991a: 10; 1993: 5-6
Rolled chip-resistant rim introduced on hotel wares.	1896	Conroy 1998: 325
Underglaze decal printing on hotel wares.	1908	Conroy 1998: 350
Narrow marley hotel ware plates introduced.	1933	Conroy 1998: 325

C4. General Outline of Glass Artifact Types.

Type of Glass	Dates of Manufacture	Reference
Table Glass		
Mold-blown table ware.	1650ca	Jones 1983: 169.
English lead crystal.	1670ca	Noël Hume 1970:186.
Heavy baluster stem wines.	1690ca	Noël Hume 1970:189.
Air twist stems on English wines.	1725ca	Noël Hume 1970:193.
Opaque white "milk glass"	1743	Noël Hume 1970:196.
Cut glass stems on English wines.	1750ca	Noël Hume 1970:193.
Enamel twist in English stemware.	1750ca	Noël Hume 1970:193.
Pressed glass table ware.	1825ca	Jones et al. 1985.
Red stained table glass.	1840	Jones 2000:150.
Development of a colorless soda-lime glass.	1864	McKearin & McKearin 1948:8.
Heat-sensitive glass that produces two colors, used on hobnail, etc.	1883	Jones 2000:147.
Pressed carnival glass.	1905	Jones 2000: 151.
Pyrex production begins.	1915	Baker 1983:8.
Corning introduces Corelle Ware.	1970	Panati 1987:125.
Bottle Glass		
Dip-mold-blown English wine bottles	1730ca	Jones 1983: 168.
Lead glass commercial containers	1750ca	Jones 1983: 169.
Bottles with letters blown in the glass	1750ca	Jones 1983: 169.
Two-piece hinge molds.	1750ca	Jones 1983: 169.
Rickets' style three-piece mold	1821	Jones 1983.
Lipping tool finish on bottles	1825ca	Jones et al. 1985.
Post-bottom mold.	1825ca	Jones et al. 1985.
Bare iron pontil, American bottles	1845ca	Deiss 1981:54.
Snap-case held bottles	1850ca	Jones et al. 1985.
Screw-top jar, ground lip (Mason jar)	1858	Lief 1965:11.
Lug finish on mouth-blown canning jar.	1863	Lief 1965:13.
Development of colorless soda-lime glass, first used on pressed glass, later on bottles.	1864	McKearin & McKearin 1948:8.
Plate molds (other than base plates)	1867	Toulouse 1969a:584.
Opaque white "milk glass" canning jar lid liner.	1869	Toulouse 1969b:350.
Turn-paste molds.	1870ca	Jones et al. 1985.
Codd's Patent Ball Stopeer on American bottles	1873	Lief 1965:14.
Patent for vented molds granted to Charles Fox.	1874	Thomas 1977:IV.
Bail and yoke "Lighting stopper." (Lief says 1882, but a lighting stopper patent date is Jan. 5, 1875.)	1875	Lief 1965: 13.
Traditional ketchup bottle introduced.	1876ca	*Daily Press* 1985: D1.
U.S. trade-mark act prohibits refilling of bottles with registered trademarks.	1876	Busch 1983:193.
Hutchins stopper "bloob top."	1879	Lief 1965:14.
Manganese decolorised glass (solarizes upon exposure to sunlight).	1880ca	Miller & Pacey 1985:44.
Introduction of the milk bottle	1886	Miller & Sullivan 1984:85.
Machine made production of narrow-mouth bottles (semi-automatic).	1899	Miller & Sullivan 1984:85.
Crown bottle cap.	1892	Lief 1965: 17.
Machine made production of wide-mouth containers (semi-automatic).	1893	Miller & Sullivan 1984:85.
Owens automatic bottle-blowing machine, "suction scar," by 1917 half of bottles in U.S. made on the Owens machine.	1903	Miller & Sullivan 1984:85.
Lug finish on machine-made bottles.	1906	Lief 1965:22.
Cutex introduced the first commercial nail polish	1917	Staten 1998:125.
Continuous-Thread Finish ("screw top"). Glass industry set standards in 1919; type quickly replaced cork enclosures.	1919	Lief 1965:27-29.
Introduction of plastic bottle and jar caps	1927	Lief 1965:30.
"Federal Law Prohibits sale or reuse of this Bottle" embossed in the glass; this regulation ended in 1964.	1933-1964	Deiss 1981:95. Pollard 1992.
Applied color label on commericial glass containers.	1935	Deiss 1981:95.
Non-returnable lightweight beer bottle developed, but not introduced until 1938.	1935	Glass Container Manufacturers Inc. 1967:32; Busch 1983:196.

C4. General Outline of Glass Artifact Types.

Type of Glass	Dates of Manufacture	Reference
Vitamin pills introduced.	1936	Hagen 1999: A-1& 12.
Nestle's introduces instant coffee.	1936	Hagen 1999: A-1& 12.
New non-returnable lightweight beer bottle, with stippled base.	1939	Busch 1983:226.
Non-returnable soft drink bottle.	1948	Busch 1983:253.
Bristol-Myers introduced roll-on deodorants	1951	Staten 1998: 122.
Introduction of the stubby non-return beer bottle.	1959	Glass Container Manufacturers Inc. 1967:30.
Plastic seals introduced on Crown bottle caps - formerly cork/paper seals used.	1960s	Bottlecaps.org (www.zero3s.freeserve.co.uk/bottle.htm).
No Deposit - No Return" - the decade of the sixties witnessed a dramatic shift from refillable soft drink “deposit” bottles to “no-deposit, no-return” one-way bottles and cans.	1960s	http://www.serconline.org/bottlebill/background.html
Food, Drug, and Cosmetics Act of 1962 decreed that all drugs, old or new, had to be safe and proven effectived. This was the end date for many old patent and proprietary medicines.	1962	Staten 1998: 141.
Anheuser-Busch introduces twist-off caps on their products (Budweiser, Michelob). (Do not assume this date for other producers)	1967	
32-oz. Ketchup bottle introduced by H.J. Heinz Co.	1971	Daily Press 1985:D1.
Other Glass		
Hand-made glass marbles	1846	Cleand 1983:9.
"Wire Glass," security window type glass with imbedded wire (Schuman Patent).	1892	Encyc. Britannica 1898:1408.
Machine-made glass marbles.	1901	Panati 1987:116-117.
Thermos bottles (invented in 1892) first imported to the U.S.	1906	Panati 1987:158.
Safety glass invented in France, used for gass mask lenses. After WWI adopted to automobile windows.	1915ca	Panati 1987:158.
Electrical and Lighting		
Drake drills first oil well; cheap kerosene caused an increase in lamp and lamp chimney production.	1859	Thur 1976: 15.
Production of glass electrical insulators with internal threads for attaching to poles begins.	1865	Cleland 1983: 6.
Hand-crimped lamp chimney tops.	1870ca	Davis 1949: 155.
First commercial application of arc lighting of streets, later department stores.	1876	Weitz 1930: 28.
Dust-pressing of electrical insulators (oil mixed with clay before insulator is mold-pressed).	1878	Jameson 1958: 663.
Machine crimped lamp chimney tops.	1879	Davis 1949: 155.
Invention of the carbon-filament light bulb.	1879	Jarvis 1958: 214.
Introduction of the ceramic part of the spark plug.	1888	Jameson 1958: 663.
Machine-made electric light bulbs.	1895	Scoville 1948: 331.
Mercury vapor lamps (fluorescent lights) introduced.	1901	Weitz 1930: 35.
Tungsten filament light bulbs introduced.	1906	Weitz 1930: 6.
Neon lighting introduced.	1911	Weitz 1930: 46.
Light bulbs with frosted interior surfaces.	1926	Weitz 1930: 17.
First commercially viable alkaline batteries introduced.	1959	*The Times* 1999: D-10.
Introduction of multicolored extension cords.	1999	*The Times* 1999: D-10.

Table C5. General Outline of Metal Artifact Types.

Type of Metal	Dates of Manufacture	Reference
Nails, and Other Fasteners		
Machine-cut nails with hand-finished heads.	1790-1810	Nelson 1968: 6.
Cut nails with machine-made heads.	1805-present	Nelson 1968: 6.
Machine-made railroad spikes.	1839	Drepperd 1946: 69.
Self-starting gimlet-point wood screw patented Aug. 20, 1846.	1846	Devoto 1943: 214.
Small wire nails introduced in France.	1850	Nelson 1968: 7.
Large wire nails become common after ca. 1885.	1860ca	Nelson 1968: 7.
Galvanized roofing nails introduced.	1901	Fontana et al. 1962: 50.
Containers		
Commercial production of goods canned in metal containers began.	1837	Keen 1982: 316.
Crimped top "Sanitary can."	1898	Keen 1982: 316.
Key-opened vacuum-packed coffee can.	1928	Keen 1982: 318.
Crown cap on beer cans.	1935	Keen 1982: 319.
Steel Fat-Top beer can.	1935-1970	Beer Can Collectors of America
Cone Top style beer can.	1935-1960	Beer Can Collectors of America
Marketing of canned soft drinks (attempted in 1938, but failed).	1953	Busch 1983: 246.
Pull Tab style beer can.	1963-1975	Beer Can Collectors of America.
Stay Tab sytle beer can.	1975-present	Beer Can Collectors of America.
Arms Related		
Percussion cap patented, iron or pewter before 1816.	1814-1816	Logan 1959: 3.
Copper percussion cap.	1816	Logan 1959: 3.
Brass or copper cartridge cases for ammunition.	1846	Logan 1959: 5.
Shotgun cartridges.	1850	Logan 1959: 6.
Minni Ball introduced in France.	1852	Logan 1959: 6.
Rim-fired cartridges.	1866	Logan 1959: 8.
Bottle-necked cartridges.	1871	Logan 1959: 9.
Introduction of plastic-bodied shotgun shell.	1958	Bussard 1993: 384.
Other Metals and Processes		
Introduction of Sheffield Plate, fusing silver to copper with heat.	1743ca	Luscomb 1967: 177.
Enameled cast-iron cooking pots developed in Germany.	1788	Panati 1987: 100.
Seamless lead pipes.	1820	Chadwick 1958: 627.
German silver or nickel silver.	1824	Chadwick 1958: 608.
Machine-made horseshoes.	1835	Chappell 1973: 104.
Practical process for galvanizing iron created in U.K.	1836	Chadwick 1958: 624-625.
Electroplating patent taken out in U.K.	1840	Chadwick 1958: 633.
Brass key-hole covers & sleeves on iron padlocks "do not seem to have been used on iron padlocks until the nineteenth century, most of them dating no earlier than 1840."	1840	Noël Hume 1970: 251.
Cyclinder locks patented by Linus Yale.	1840	Noël Hume 1969: 249.
Galvanized corrugated iron roofing introduced in U.K.	1844	Chadwick 1958: 625.
Can opener patented.	1858	Petroski 1992: 187.
James H. Nason receives patent on Dec. 26, 1865 for coffee percolator.	1865	*The Times* 1998: A-10.
Commercial production of enameled tin pots for cooking begins in the U.S.	1867	Keen 1982: 296.
Ball-bearing roller skates patented Dec. 9, 1884.	1884	*The Times* 1996a: A-12.
Invention of barbed wire.	1886	Cleland 1983: 61.
Zipper patented in 1893, not in common use until improvements in 1913.	1893	Panati 1987: 316-317.
Aluminum household items appear on the market; aluminum cookware production begins in 1903.	1891	Trench & Luty 1918: 343; Panati 1987: 101.
Introduction of tooth paste in a squeeze tube.	1896	Staten 1998: 105.
Paper clip patented.	1898	Petroski 1992: 63.
Electric coffee pot introduced.	1908	Kovel & Kovel 2000b: AA-3.
Electric toaster introduced.	1910	Kovel & Kovel 2000b: AA-3.
Electric frying pan introduced.	1911	Kovel & Kovel 2000b: AA-3.
Electric waffle iron introduced.	1918	Kovel & Kovel 2000b: AA-3.
Stanless steel flatware (knives, forks, & spoons) introduced.	1921	Bidwell & Haughton 1999; E-1.
Electric blender introduced.	1935	Kovel & Kovel 2000b: AA-3.
Home model of the electric coffee grinder	1937	Kovel & Kovel 2000b: AA-3.
Electric can opener introduced.	1956	Kovel & Kovel 2000b: AA-3.

Table C6. General Outline of Rubber, Plastic, and Other Synthetic Artifact Types

Rubber, Plastic, and Other Synthetics	Dates of Manufacture	Reference
Hard rubber buttons patented.	1851	Luscomb 1967: 91.
The term *Linoleum* coined by F. Walton for new English floor covering.	1863	*Webster's New World Dictionary* 1982.
Celluloid plastic (imitation of ivory, amber, coral, tortise shell, and mother-of-pearl).	1868-1920	Wolfe 1945: 15.
Rubber fire and garden hose.	1870	Panati 1987: 165.
Rubber bottle corks.	1871	Panati 1987: 165.
Rubber fruit jar rings and other gaskets.	1871	Panati 1987: 165.
Asphalt paving, first used in Philadelphia.	1871	Parrington 1983: 21.
Portland Cement first produced in U.S. in 1876, but output not significant until invention of rotary kiln in 1899.	1876	Cleland 1983: 93.
Wooden clothes pins with steel springs patented June 28, 1887.	1887	Schneringer 2001: cover.
Flat disk records invented in Germany in 1895, overtook cylinder records by 1900.	1900	Thorgerson & Dean 1977: 8.
"Fisheye" cut pearl buttons.	1902	Claassen 1994: 55.
First marketing of aspirin, invented in Germany in 1899.	1905	Shartar & Shavin 1981: 6.
Bakelite plastic, black electrical parts, telephone parts.	1907	Wolfe 1945: 19.
Pyralin plastic, tooth brushes, combs, pens, baby toys, kitchen gadgets.	1915	Wolfe 1945: 19.
Asphalt roofing advertised, but probably produced earlier.	1917	Luetkemeyer Co. 1917: 2126.
U.S. Rubber introduced Keds™ (first rubber-soled canvas-top gym shoe).	1917	Panati 1987: 277.
Introduction of the Popsicle™ stick.	1922	*Daily Press* 1986b: B-15.
Introduction of Easter Bunny as marketing device.	1924ca	*Progressive Grocer* 1924: 17.
Carlton Ellis of DuPont was awarded a patent for polyester resin. Polyester resin is something that can be combined with Fiberglas to produce a composite	1936	*The History of Fiberglass. http://www.psrc.usm.edu/macrog/mpm/composit/fiber/fibeglas/history.htm*
Introduction of the Nylon-bristle tooth and other brushes.	1938	Panati 1987: 209.
Owens-Corning develops a process to manufacture microscopic glass fibers that are sprayed with chemicals to form fiberglass insulation	1938	Washington Post Magazine, “Breathing Uneasy”, June 22, 1997.
Federal law required listing ingredients on many types of foods.	1938	Kovel & Kovel 2000a: AA-3.
Melmac™ plastic, used by the navy during WWII, commercial production of the table ware after the war.	1940	Wolfe 1945: 29.
Postal codes introduced, the precursor to ZIP codes.	1943	Kovel & Kovel 2000a: AA-3.
Invention of Styrofoam™ by Ray McIntire of Dow Chemical.	1944	Annonymous 1996: 25.
Tupperware™ introduced.	1945	Panati 1987: 129.
Introduction of aluminum foil.	1947	Panati 1987: 113.
Introduction of Diners Club, first credit card.	1951	*The Times* 2000: D-4.
Introduction of the frozen TV dinner.	1954	Berry 1999: AA-5.
Velcro™ in production by mid-1950s.	1955	*Daily Press* 1990: B-5.
Introduction of pink plastic yard flamingo.	1957	*The Times* 1996b: A-15.
Child-proof cap introduced on St. Joseph's Aspirin for Childen™ (not required by law until 1972).	1957	Staten 1998: 53.
Disposable one-use ballpoint pen introduced by Bic.	1958	Busch 1983: 334.
Introduction of the Barbi™ doll.	1959	Lord 1994.
American Expres™ introduces first plastic charge card.	1959	*The Times* 2000: D-4.
Teflon™ nonstick coating on pans.	1961	*Daily Press* 1986a.
Plastic milk bottle.	1961	Busch 1983: 284.
Styrofoam™ cups.	1962	Busch 1983: 120.
Postal ZIP codes introduced.	1963	Kovel & Kovel 2000a: AA-3.
Vinyl siding for buildings introduced.	1963	Hoagland 1997: 5.
Child-resistant caps required by law for aspirin containers.	1972	Glass Packaging Institute n.d.
Bar codes introduced.	1973	Kovel & Kovel 2000a: AA-3.
Federal law requires nutrition information to be listed on food packages.	1973	Kovel & Kovel 2000a: AA-3.
McDonalds™ introduces polystyrene "clamshell" package for its burgers.	1975	Petroski 1992: 221.

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Appendix D
INTERIM REPORT

PCI BUFFALO • TUSCALOOSA • MEMPHIS • TAMPA

Panamerican Consultants, Inc• 2390 Clinton St•Buffalo, NY 14227 •(716) 821-1650 •Fax (716) 821-1607

December 24, 2003

Lynn Rakos
Environmental Analysis Branch
U.S. Army Corps of Engineers
New York District
26 Federal Plaza
New York, NY 10278

SUBJECT: Phase I Cultural Resources Survey for the South Shore of Staten Island Combined Erosion Control and Storm Damage Protection Feasibility Study, Borough of Staten Island, Richmond County, New York (Contract No. DACW51-01-D-0017-3; Work Order 26)

Dear Ms. Rakos,

Panamerican Consultants, Inc. is pleased to submit the interim report for the above referenced project on behalf of Northern Ecological Associates (NEA), Portland, Maine. Panamerican is conducting a Phase I cultural resource investigation of approximately 6 miles (9.7 kilometers) along the southern shoreline of Staten Island, New York Bay, from Fort Wadsworth to Crescent Beach. Only the Crescent Beach portion is covered in this interim report (Figure 1) per request of the New York District.

Various erosion control and storm damage protection measures are being considered. For the Crescent Beach area the alternatives entail a sloped stone sea wall with levees or a vertical sheetpile seawall with levees. The alignment remains substantially the same under either option. Proper inland water flow will be addressed through interrelated pond and sewer outfall arrangements (USACE 2003:2).

The goals of the present project are:

1. To determine the presence or absence of cultural resources,
2. To initially evaluate structures which might be affected by the control measures,
3. To assess any resource's potential eligibility to the National Register of Historic Places, and
4. To recommend or not recommend additional investigations involving offshore survey, deep-testing, areas not accessible during the present study, and resources needing further review for eligibility determinations (USACE 2003:1-2).

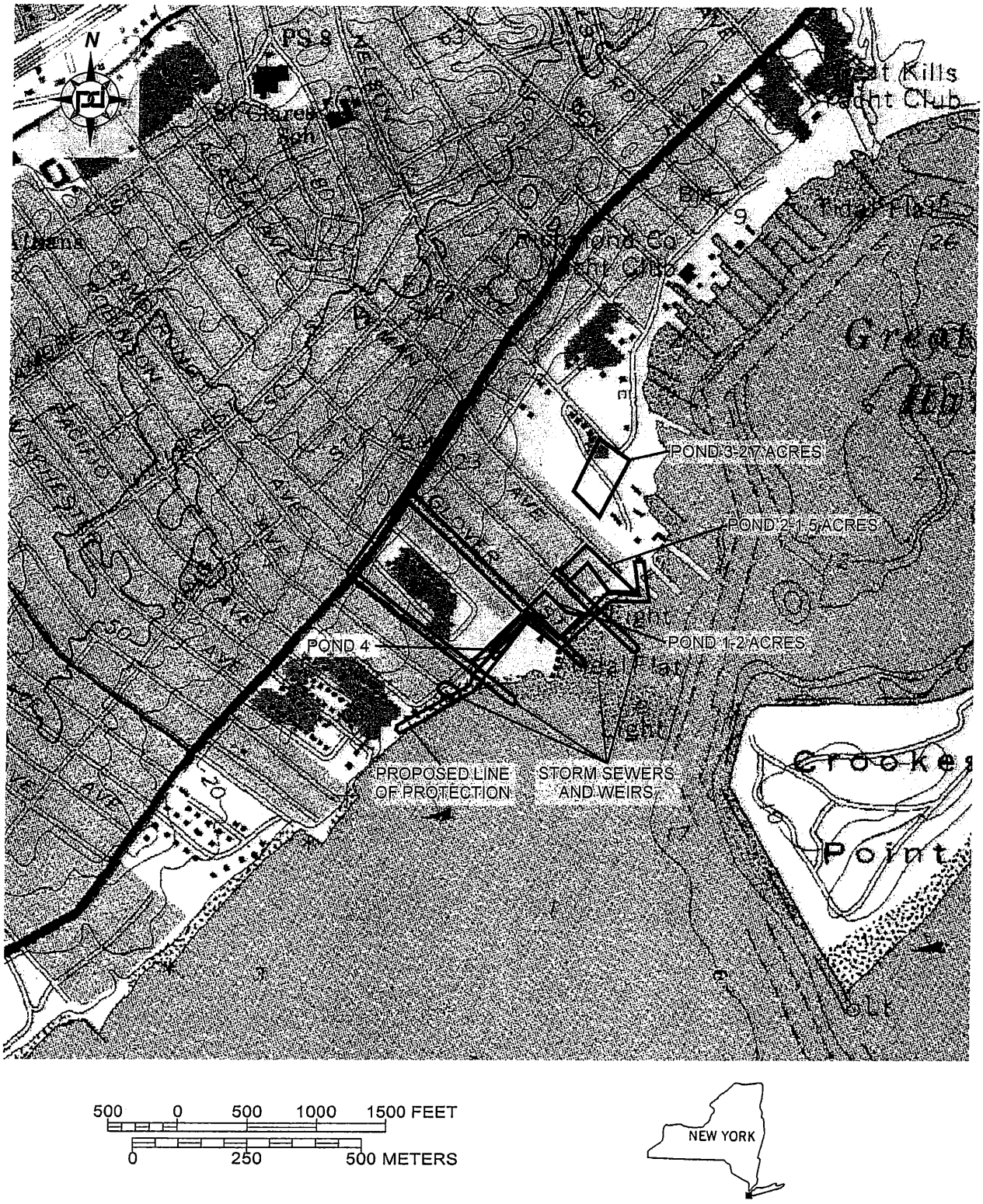

Figure 1. Location of the project area in the Borough of Staten Island, Richmond County, New York *(USGS 7.5' Quadrangles, Arthur Kill, NY, 1975 [1966], The Narrows, NY, 1975 [1966]).*

Methods to accomplish these goals include a review of the environment, prehistory and history of the area, combined with surface and subsurface examination (USACE 2003:1). The field examination was carried out from October 20 to November 26, 2003.

The Panamerican research team consisted of Project Director Dr. Michael A. Cinquino; Principal Investigator and Co-Field Director Dr. Michele H. Hayward; Co-Field Director Dubravko Lazo, M.A., Project Historian/Archaeologist Mr. Arnold Pickman, M.A., Senior Historian Mr. Mark Steinback, and archaeological field technicians.

Archival Review. Environmental data pertaining to the recent past indicates a band of salt marsh bordering the beach, as well as portions of dry land. The 10-foot (3-m) contour in the Crescent Beach area was located some 1,000 feet (305 m) back from the shoreline. Salt marshes and beaches, while serving as favorable habitats for resource exploitation, are not normally favorable for prehistoric settlement or long-term occupation.

Other conditions also reduce the likelihood of locating intact prehistoric deposits within the near surface of beach zones. Beaches being active or changing environmental zones undergo seasonal and long-term reshaping due to wind, wave and storm action. Historical occupation and use has meant impaction in the form of roads, houses, and reworking of upper soil strata.

The possibility of deeply buried prehistoric materials and sites remains. Filled-in marsh areas, beach zones and near-shore fringes, where sites might be found on higher adjacent grounds, today represent the former barrier beach-lagoon systems of Staten Island's south shore.

Recorded historic sites within or very near the Crescent Beach project area include two hotels and a series of bungalows. The Collins Hotel was in operation from sometime before 1887 into the 1930s. An extension and two small outbuildings were added to the hotel, which was located south of Nelson Avenue and within the project area. The second or early 1900s Crescent Beach hotel was situated approximately 100 feet (30 m) north of the northern end of the proposed levee. During the same time period, some 13 bungalow sites are indicated on maps immediately west of Winman Avenue, with another five to seven sites located east of Glover Street, all within the project area.

Architectural Assessment. Architecture in the vicinity of the Crescent Beach study area consists almost entirely of modern residential development. A few standing structures would lie immediately adjacent to the stone or sheetpile seawall with levees alignment. Several new beachfront dwellings are situated at the foot of Goodall Street, as well as a modern apartment complex located at the east end of Wiman Avenue. Along Tennyson Drive and Goodall Street to the north, a mixture of late twentieth-century single family and multiple family residences and apartment buildings lie within the viewshed of the project area.

Field Methods, Results and Recommendations. The field methods, results and recommendations have been collated into Table 1.

Table 1. Crescent Beach Project Area Field Conditions, Methods, Results and Recommendations

Survey Component	Survey Status	Sensitivity Assessment	Survey Methods	Survey Results	Recommendation
Standing Structures	Current Residential Lots	Possible National Register Eligible Structures	Visual Survey	None Eligible	No Further Work
Seawall/Leve e Alignment – Public	Open beach, tidal area, high grass and recreation portions	Prehistoric: low Historic: low	50 foot interval shovel tests	56 tests; 64 percent positive; light modern and late 1800s/early1900s	No Further Work
Seawall/Leve e Alignment – Privet	Landscaped section of condominium, 100 feet at north end of alignment	Prehistoric: very low Historic: very low	Not addressed in present survey	Unknown	No Further Work
Pond 1	Scattered mature trees and dense undergrowth	Prehistoric: low Historic: 5 to 7 bungalow sites	50 foot interval shovel tests;	27 tests; 70 percent positive; light modern and late 1800s/early1900s	Additional close-interval shovel tests at a 15 or 25 foot interval for features/materials associated with the bungalows
Pond 2	Scattered mature trees and dense undergrowth	Prehistoric: low Historic: some 13 bungalow sites	50 foot interval shovel tests	30 tests; 77 percent positive; light to moderate modern and late 1800s/early1900s	Additional close-interval shovel tests at a 15 or 25 foot interval for features/materials associated with the bungalows
Pond 3	A few mature trees; tall grass; large artificial mound; recently cleared area for new public garden	Prehistoric: low Historic: Collins Hotel	50 foot interval shovel tests	42 tests; 81 percent positive; light modern and late 1800s/early1900s	No Further Work
Pond 4	High grasses	Prehistoric: low Historic: low	50 foot interval shovel tests	light modern and late 1800s/early1900s	No Further Work
Hyland Street	Major four lane divided highway with occasional strips of trees and grass	Prehistoric: very low Historic: very low	No testing; utility lines extant	None Eligible	No Further Work
Armstrong Street	Two lane street with grass and tree strip between sidewalk and street	Prehistoric: very low Historic: very low	No testing; utility lines extant	None Eligible	No Further Work
Goodall Street	Two lane street with grass and tree strip between sidewalk and street	Prehistoric: very low Historic: very low	No testing; utility lines extant	None Eligible	No Further Work
Glover Street	Two lane street with grass and tree strip between sidewalk and street	Prehistoric: very low Historic: very low	50 foot interval shovel tests	15 tests; 60 percent positive; light modern, possible historic	No Further Work

Outfall Land Areas	Goodall and Armstrong existing; Glover Street new; Robinson Avenue 175 feet on privet land and beach	Prehistoric: very low Historic: very low	No testing for Goodall and Armstrong Streets; Glover Street tested at 50 foot interval; Robinson Avenue not tested on privet land with one test on beach	Glover Street 2 tests; Robinson Avenue 1 test; all three positive; light modern, possible historic	No Further Work
Outfall Near Shore Areas	Goodall and Armstrong existing; Glover Street new 50 feet; Robinson Avenue new 25 ft	Prehistoric: very low Historic: low	No testing	Unknown	No Further Work
Pump Stations	On open grass near beach location and underneath Tennyson Drive	Prehistoric: very low Historic: very low	Tested near beach; no testing of Tennyson Drive location	light modern, possible historic	No Further Work
Deep Testing	Former barrier beach/lagoon system under current beach and offshore zone	*Prehistoric:* possible buried sites	Not addressed in present survey	Unknown	Borings along seawall and outfall alignments

A visual survey of standing structures within or near Crescent Beach revealed no buildings which met the eligibility criteria for the National Register of Historic Places. No impacts to architecturally or historically significant standing structures are anticipated as a result of the project. No further investigation is recommended.

The seawall/levee alignment crosses various landforms. Open beaches are found at the north and south ends with a tidal inlet and area of tall grasses and small trees in between. A dirt path and flagpole marking the public beach runs from the intersection of Glover Street and Tennyson Drive eastward to the sea. A recreation area is present at the end of Armstrong Avenue. Shovel tests were placed along the alignment at a 50-foot (15-m) interval, with additional shovel tests dug at intervals of 25 feet (7.5 m) or less to investigate the nature of cultural materials or deposits. This same procedure was applied to the remaining project area components.

Thirty-six of fifty-six shovel tests, or 64 percent, yielded a light concentration of predominantly modern materials with occasional higher concentrations of modern glass and shell. Modern materials included beer bottles, playground fill (e.g., asphalt, stone, clayey loam soils), aluminum cans, top of a toothpaste tube, and plastic. Possible historic items comprised waterworn glass, nails and shell. The approximately 300-foot (91-meter) tidal inlet portion was not shovel tested; the partially intact Goodall Street outfall and wood piling/dock remains were the only cultural elements visible. Despite the high number of positive shovel tests, neither the materials nor soils (e.g., beach sands, tidal muck) gave

evidence for National Register-eligible prehistoric or historic artifact concentrations, features or sites. The seawall alignment alternatives are unlikely to affect any near surface cultural remains, with no further work being recommended.

A minimal portion of the seawall/levee alignment could not be tested. Some 100 feet (30 m) would cross the lawn of a privately-run apartment complex (constructed within the last five to six years) at the north end of Wiman Avenue. The complex also covers the former map-documented location of the historic Crescent Beach Hotel. The short distance and clear sign of near-surface disturbance indicate an unlikely impact to any Register-eligible resources. No further work is recommended.

Pond Areas 1 and 2 share similar conditions, histories, results and recommendations. Scattered mature trees and thick, waist-high, sometimes thorny, undergrowth predominates. The two areas have clearly been used for current trash disposal, with gravel, carpet remnants, a suitcase, and concrete slabs visible on the surface. Late nineteenth-century and early twentieth-century bungalows were built in the areas. A high percentage (at least 70 percent) of the shovel tests were positive, producing a mix of modern items (e.g., plastic, beer bottles) and likely historic artifacts (e.g., whitewares, brick, nails, window glass). Extra shovel tests were dug in Pond Area 2 confirming the general impression of a light to moderate concentration of materials throughout both areas. Although no middens or features were located the artifact distribution tends to confirm the former presence of the bungalows. Due to the obscuring nature of the present vegetation and the standard 50-foot (15-m) testing distance, additional testing at a shorter 15- or 25-foot (6- or 8-m) interval is recommended to locate any associated midden, foundation or similar features.

Pond 3 presents different conditions. A few mature trees border Nelson Road, amid otherwise tall grasses and low-growth bushes. Virtually the entire northern third of the pond has been graded down to subsoil, where a local citizen's group is arranging a garden in memory of the September 11th attack in New York City. An asphalt-paved road curves through the approximate middle of the area, while a large, 200 by 150 foot (61 by 46 m) artificial mound dominates the southern portion. The gardener informed the crew that the source of the mound was largely due to removal of the topsoil from the north, which forced the group to bring in topsoil for their memorial garden.

The scrapped section of the pond area was visually examined; shovel tests were placed in the remaining portion excluding the mound. Discarded construction materials, a concrete pad adjacent to the asphalt road, and smaller artificial mounds were evident on the surface, in addition to a light concentration of modern (e.g., glass, plastic) and historic (e.g., brick, tile, whitewares) materials from 34 of 42 shovel tests. Unlike Pond Areas 1 and 2, the evidence for the former Collins Hotel is disparate and tenuous, with a very low likelihood for intact features or materials to be present. No further work is recommended.

Pond 4 forms a triangle between two alternative routs for the seawall/levee in the area bordering Tennyson Drive and between Glover and Armstrong Streets. The area was tested as part of the alignment, whose field results were discussed above. Pond 4 appears

well chosen in that a high water table is present. The low frequencies of recovered materials and low sensitivity for locating either prehistoric or historic resources point to a recommendation of no further work.

Storm sewers will be replaced as part of the inland water control system along Hyland, Armstrong, Goodall and Glover Streets. A two- or four-lane street bordered by a grass and tree strip on either side constitutes the testable portions of the project area. The first three roadways contain existing utility lines, with new lines to be placed in Glover Street. Shovel tests were only placed along Glover Street that yielded a light concentration of modern items (e.g., paper fragments, plastic) and possible historic materials (e.g., glass, shell, ceramics) from 9 of 15 tests. It is very unlikely that the installation of the sewer lines will impact any near-surface Register-eligible resources along this street or the other streets. No further work is recommended.

The new and replaced sewer lines will empty into the bay area with part of the outfall or end lines on land and part in the bay. The land portion of the Goodall and Armstrong lines already exist; those portions for Glover Street and Robinson Avenue remain to be installed. No shovel tests were placed along current utility corridors; one test was dug in the 175-ft (53-m) Robinson Avenue section, since the remainder crosses private property, and two were dug at the end of Glover Street. Even though the three tests were positive the light concentration of modern and possible historic materials, combined with the very low sensitivity for locating near-surface prehistoric or historic remains, strongly suggests that no Register-eligible resources will be impacted. No further work is recommended.

The same recommendation of no further work applies for the bay portion of the sewer outfalls. The Armstrong Avenue outfall is currently present; the Goodall Street outfall will be extended a short distance, and the new lines for Glover Street and Robinson Avenue will run 50 feet (15 meters) and 25 feet (8 meters) offshore, respectively. No testing was undertaken as these portions lie offshore. The short distances and low probability of locating near-surface resources again strongly indicate that no Register-eligible resources will be impacted.

Two pump stations will be constructed, one at the end of Robinson Avenue adjacent to the seawall/levee alignment and the other at the intersection of Tennyson Drive and Goodall Street. The first pump station area was covered in the testing for the alignment, while the second was not tested since it lay under an in-use roadway. In neither case do the testing results or small non-tested location indicate impaction to significant resources. No further work is recommended.

The possibility of locating near-surface prehistoric resources within the Crescent Beach project area was considered low. The possibility of locating deeply buried prehistoric resources remains to be addressed. Staten Island's south shore represents a former barrier beach-lagoon system that might contain artifact deposits or features. One method of investigation involves placing borings along the seawall/levee and sewer bay-side outfall alignments. If undisturbed former lagoonal deposits are located here they should be represented by organic silt, peats of both, encountered beneath overlying beach sand and

tidal deposits. Depending on the depth of such deposits, any preserved underlying materials could be impacted by construction activities.

If you have any questions or comments, please do not hesitate to contact me or Dr. Michael A. Cinquino at your convenience.

Sincerely,

Michele H Hayward

Michele H. Hayward, Ph.D., RPA
Senior Archaeologist

Reference:

U.S. Army Corps of Engineers, New York District
2003 *Scope of Work and Request for Cost Proposal for the Phase I Cultural Resources Survey for the South Shore of Staten Island Combined Erosion Control and Storm Damage Protection Feasibility Study, Borough of Staten Island, Richmond County, New York* (DACW51-01-D-0017-3. Work Order 26).

Appendix E
SCOPE OF WORK

Appendix F
VITAE OF PROJECT PERSONNEL

PCI BUFFALO • TUSCALOOSA • MEMPHIS • TAMPA

Panamerican Consultants, Inc.•2390 Clinton Street•Buffalo, NY 14227•(716) 821-1650•Fax (716) 821-1607

MICHELE H. HAYWARD, Ph.D., RPA
Senior Archaeologist

EDUCATION

Ph.D. Anthropology, The Pennsylvania State University, 1986
M.A. Anthropology, The Pennsylvania State University, 1975
B.A. Anthropology, Beloit College, 1972

EXPERIENCE

Dr. Hayward is currently a Senior Archaeologist with the Buffalo (New York) Branch Office of Panamerican Consultants, Inc. (PCI). She has more than twenty years of experience conducting archaeological investigations and cultural resource management (CRM) projects throughout New York state, New Jersey, and the eastern United States as well as the Caribbean, Mexico, and Central America. In addition, she serves as Laboratory Director at PCI's Buffalo Office. As principal investigator and field director for all levels of archaeological investigations, her duties include reconnaissance surveys and preliminary and intensive data recovery excavations of prehistoric and historic sites; archival research; and historic and prehistoric data analysis. She has comprehensive experience in report preparation and proposal writing as well as designing archaeological field strategies at all levels. She has conducted numerous archaeological field investigations for U.S. Army Corps of Engineers (USACE) districts, including New York, Savannah and Jacksonville, as well as public and private sector clients. For example, she has served as Principal Investigator or Co-Principal Investigator for studies conducted at the U.S. Military Academy at West Point, Orange County, New York, Picatinny Arsenal, Morris County, New Jersey, the Marine Corps Recruit Depot, Parris Island, South Carolina, and the former Griffiss Air Force Base, Oneida County, New York.

Her experience in CRM consists of both reviewing projects and reports as a representative of the Institute of Puerto Rican Culture and conducting investigations for this agency and private firms. Dr. Hayward is fluent in Spanish and has extensive experience preparing documents and conducting interviews in Spanish. In addition to her responsibilities as Senior Archaeologist with PCI, Dr. Hayward has co-written proposals to obtain funds from the National Park Service, administered by the Puerto Rican State Historic Preservation Office (PRSHPO), to continue research on island rock art sites. This interest was initiated while she was employed at the Institute of Puerto Rican Culture.

Dr. Hayward has also served as Research Archaeologist and Project Review Archaeologist for the Center of Archaeological Investigations, Institute of Puerto Rican Culture, San Juan, Puerto Rico. Her duties included the initial assessment of some 600 to 800 annual permit applications for state and privately funded construction projects to determine the level of archaeological investigation; review of CRM reports for Phase I, II, and III projects; review of proposals for Phase II and III investigations; preparation of detailed scopes of work for Phase II and III studies; meetings with applicants, both private and public, to discuss the level of project effort; and principal investigator on Institute-sponsored archaeological research projects.

REPRESENTATIVE PANAMERICAN CONSULTANTS, INC. EXPERIENCE

Dr. Hayward served as Principal Investigator for a Phase I archaeological survey at Fort Monroe, Hampton, Virginia. Conducted for Fort Monroe under a cooperative agreement with the U.S. Army Medical Research Acquisition Activity, Fort Detrick, Maryland, the investigation addressed two areas within the reservation: Continental Park, located along the southern boundary of the reservation, and the Parade Ground, occupying the approximate center of the fort's interior. The survey area for Continental Park encompassed only the northwest corner. The Parade Ground study area involved the previously untested center and a reexamination of all save the southern periphery, which was addressed by a previous study. A Ground Penetrating Radar (GPR) survey (no excavation) was employed within in the portion of the park where the likelihood of locating former historic period structures was highest. For the planned parking lot extension area in the Parade Ground, a combination of GPR and shovel testing was considered a productive approach to record near-surface (up to three feet or a meter) and deeper under-fill resources. The Ground Penetrating Radar survey primarily identified mid- to late-twentieth century utility lines at Continental Park and the Parade Ground along with a few unidentified targets of possible historic origin. Mostly later 1800s to early 1900s materials were recovered from the shovel test examination of the Parade Ground, in addition to one historic brick/artifact concentration. No intact surface or subsurface historic features were identified. Shovel testing in the central portion of the Parade Ground produced only one feature: a possible early-nineteenth century brick and low artifact density concentration. It was not considered eligible to either the State or National Registers of Historic Places and no further work was recommended.

She also served as Principal Investigator for a Phase II archaeological survey for two loci within Fort Monroe, Hampton, Virginia. Conducted for Fort Monroe under a cooperative agreement with the U.S. Army Medical Research Acquisition Activity, the investigation focused on Loci 3 and 9, two of twelve locations (loci) that were identified as potentially eligible for listing in the NRHP by a previous survey. Locus 3 was south and east of Building 83 at the intersection of Ingalls and Fenwick roads, while Locus 9 was inside the fortification adjacent to the east side of Quarters 128. Archival research and documentary research was conducted and field excavation was performed at both loci, in addition to a partial GPR survey at Locus 3. Close-interval shovel testing and unit excavation were employed at both loci to expose the known brick and stone features for documentation. Nine units were excavated at Locus 3 and three units at Locus 9, ranging in size from 1-x-1 m to 1-x-2 m. Both loci are NRHP eligible under Criterion D as contributing elements to the Fort Monroe National Historic Landmark District.

Dr. Hayward has served as Principal Investigator or Co-principal Investigator for fifteen cultural resource investigations at the U.S. Military Academy at West Point, Orange County, New York. Conducted for USACE, New York District under subcontract, these investigations included Phase I cultural resource surveys for the proposed Thomas Jefferson Hall, New Brick Housing, Stewart Army Subpost, Gross Olympic Center, Bull Hill Road Extension, former Married Junior Officers= Quarters (Building 124), timber harvests at Mine Lake, Turkey Mountain, Long Pond, Firebreak 2, Range 4, and Range Road 22, Hurricane Floyd timber sale areas, and Stony Lonesome Road By-Pass. For example, she was principal investigator for a Phase I investigation of the Hurricane Floyd Timber Sale Areas at the USMA. The project covered some 670 acres distributed among 18 non-contiguous heavily wooded regions. The aim was to employ background data from all the regions combined with a vehicular survey of each area along with more intensive inspection of five areas to develop levels of survey effort. No cultural resources were identified as a result of the project.

Dr. Hayward served as PCI=s Principal Investigator and Laboratory Director for four Phase I cultural resources investigations conducted as part of flood-control efforts for USACE, Jacksonville District in Puerto Rico: at Rio Grande de Arecibo, Municipio of Arecibo (Phase II investigations were conducted subsequently at four sites); at Río de la Plata, Municipios of Dorado and Toa Baja; at Rio Anton Ruiz, Humanco; and at Rio de la Plata, Municipios of Dorado and Toa Baja (Phase II investigations were conducted subsequently at three sites).

She served as PCI's Principal Investigator and Laboratory Director for a Phase III-level investigation of the prehistoric site LO-9, Piñones, Puerto Rico. The work was conducted for USACE, Jacksonville District. Site LO-9 is included in the Piñones National Register District and listed on the NRHP as a contributing element to the district. The research comprised a review of pertinent environmental and archaeological background information; field excavation; the development of a research design, and analysis of stratigraphic profiles, radiocarbon dates, artifacts, and faunal remains. The excavation of a series of shovel tests and 12 1-x-1 meter units yielded a high concentration of ceramics and faunal remains.

She was PCI's Principal Investigator for the archaeological monitoring of an area of historic households, Site 16A, at the former Griffiss Air Force Base, Rome, Oneida County, New York. The project was undertaken for Peer Consultants, Inc. and involved the inspection of historic material already taken from an adjacent non-National Register eligible site, as well as insuring that no cultural deposits from Site 16A were impacted during removal of lead contaminated soil.

Conducted for USACE, Savannah District, Dr. Hayward served as PCI's Co-Principal Investigator for an intensive search of archives and other repositories in Washington, D.C., and South Carolina for primarily original documents and secondarily published sources pertaining to Parris Island, South Carolina, from 1862 to 1892. Parris Island currently is home to one of two Marine Corps recruit training centers in the United States. On the basis of this documentation a history of the island during the postbellum period was outlined consisting of such topics as the military activities during the Civil War, the effects of the war on settlement patterns, and the growing governmental and military presence on the island, including the establishment of a lighthouse and naval station along with the nascent U.S. Marine Corps presence. This documentation further served to identify archaeologically sensitive areas on Parris Island (e.g., African-American homesteads, lighthouse complex, dry dock, the original Commanding Officer's quarters) during this period, and to assess the potential for further research of the several topics covered during the course of the investigation.

She was Principal Investigator for a Phase I investigation of the grounds surrounding the former Married Junior Officers' Quarters (Building 124) at the U.S. Military Academy, West Point, New York. The project was conducted for the USACE, New York District, under contract to Northern Ecological Associates, Inc. Building 124 was considered National Register eligible, but a suitable reuse for the structure could not be found. Its deteriorated condition made demolition the most viable alternative, with a HABS/HAER Level II documentation carried out before the building=s removal. An intensive surface and subsurface examination of the adjoining 0.6-acre grounds was subsequently undertaken to locate any associated features or middens. A low concentration of historic and modern materials was recovered; no features were located; and a reworked terrain and vegetation profile were indicated. All results were consistent with a history of a former late-1800s to 1900s structure which was torn down and removed along with restoration of the yard area.

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Panamerican Consultants, Inc. • 2390 Clinton Street • Buffalo, NY 14227 • (716) 821-1650 • Fax (716) 821-1607

MICHAEL A. CINQUINO, Ph.D.
Senior Vice President/Senior Archaeologist

EDUCATION

Ph.D. Anthropology, State University of New York at Stony Brook, 1986
M.A. Anthropology, State University of New York at Stony Brook, 1977
B.A. Sociology, St. John Fisher College, Rochester, New York, 1971

EXPERIENCE

Dr. Cinquino is currently Senior Vice President of Panamerican Consultants, Inc. (PCI) and director of the Buffalo (New York) Branch Office. A Senior Archaeologist, he served as project manager/ principal investigator on over 300 cultural resources projects throughout New York, Pennsylvania, New Jersey, Puerto Rico, the U.S. Virgin Islands, and the eastern United States. These projects include natural gas pipelines, fiber optic lines, developments, transportation projects, flood control projects for the U.S. Army Corps of Engineers, light rail rapid transit systems, industrial parks, wastewater treatment plants, fuel storage projects, interceptor sewers, a demolition project, construction monitoring, and U.S. military installations. In addition, he prepared numerous cultural resource sections for environmental assessment, impact statements, environmental resource documents, and cultural resource management plans and environmental audits.

He is experienced at conducting cultural resource investigations on large-scale projects including corridor/pipeline and highway projects, military installations, wastewater projects, etc. which often require detailed archival and historic map research, design of field methodology including predictive site modeling strategies, all phases of archaeological field investigations, documentation and report preparation. He has conducted investigations at military installations throughout the eastern United States, Puerto Rico and in the Virgin Islands.

Dr. Cinquino also has extensive regulatory experience on the federal and state levels as State Archaeologist and Review and Compliance Archaeologist for the Puerto Rico State Historic Preservation Office (SHPO) and as a consultant for the New York State Department of Environmental Conservation (NYSDEC) directing the cultural resource review for the NYSDEC permit program and SEQRA compliance. In addition, as an employee of Ebasco, he assisted in report reviews for the Federal Energy Regulatory Commission (FERC).

Dr. Cinquino has over 25 years experience as an anthropologist with expertise in cultural anthropology, prehistoric and historic archaeology, archival and historic research, cultural resource management, and historic preservation. His Ph.D. dissertation research was an ethnographic and ethnohistoric analysis of the religious ceremonial cycle of a peasant village in Western Mexico.

He is a member of the Register of Professional Archaeologists (RPA) and certified in Field Research and Archaeological Resource Management. He is also on the New York State SHPO's list of archaeologists and a member of the New York Archaeological Council certified to conduct all phases of investigations in prehistoric and historic archaeology. Dr. Cinquino has completed the hazardous waste training course and is familiar with archaeological investigations in areas of potential hazard (e.g., hazardous materials, unexploded ordnance).

REPRESENTATIVE PANAMERICAN CONSULTANTS, INC. EXPERIENCE (APRIL 1993 TO PRESENT)

Dr. Cinquino serves as project manager for PCI's contract and subcontracts with the New York District, U.S. Army Corps of Engineers (USACE). PCI has conducted more than 75 cultural resources investigations for the New York District (some under subcontract), including preparation of integrated cultural resource management plans (ICRMPs) for Watervliet Arsenal, Albany County, New York; Rotterdam Housing Area of Watervliet Arsenal, Rotterdam, Schenectady County, NY; Fort Hamilton, Brooklyn, Kings County, NY; and Picatinny Arsenal, Morris County, New Jersey. PCI also has prepared under Dr. Cinquino's direction an archaeological sensitivity model for Picatinny Arsenal, Dover, NJ as well as six archaeological and/or structural investigations at Picatinny Arsenal; two cultural resource investigations for the Joseph G. Minish Passaic River Waterfront Park in Newark, NJ; 18 archaeological and/or structural investigations at the U.S. Military Academy (USMA) at West Point, Orange County, NY; and six cultural resource investigations (including structural evaluations) at the Green Brook Flood Control Project in northern New Jersey.

Dr. Cinquino has served as Principal Investigator or Project Director for more than forty (40) cultural resource investigations for proposed cellular communications tower projects for URS Corporation. Project areas for these investigations include locations in the following New York State counties: Erie, Cattaraugus, Chautauqua, Steuben, Seneca, Cayuga, Onondaga, Jefferson, and Madison. The investigations included archival and documentary research; systematic survey of the project areas; and report preparation.

In addition, he has served as Project Director and Co-Principal Investigator for cultural resources investigation of 16 wetland restoration areas in Central and Northern New York. Conducted for the Natural Resources Conservation Service, these investigations were condcuted for sites in Broome, Jefferson, Madison, Montgomery, Oswego, Otsego, Lewis, Oneida, and St. Lawrence Counties.

Dr. Cinquino serves as PCI's Project Manager and/or Principal Investigation for pipeline projects conducted for National Fuel Gas Supply Corporation (NFGS) in Pennsylvania and New York (under contract to Northern Ecological Associates, Inc.). These projects included a Phase I cultural resource investigation of the proposed Northwinds natural gas pipeline route from Fuhrmann Boulevard in the City of Buffalo south to Zenner Road in the Town of Eden, within the Cities of Buffalo and Lackawanna and the Towns of Hamburg and Eden, Erie County, NY (approximately 18 miles) and a Phase I investigation for the proposed Northwinds pipeline in the Towns of Allegany and Hebron, Potter County, PA. Other investigations included a Phase I for the proposed Line X-M10 installation in the Town of Pendleton, NY; a Phase I for the proposed Line S-43 replacement in the Summit Township, Erie County, PA, and a Phase I for the proposed Line K replacement in the Town of Orchard Park, Erie County, NY.

He also served as Project Manager or Principal Investigator for five water/sewer line projects conducted for R&D Engineering: a Phase I cultural resources investigation for the proposed Water District #1 and Sewer District #1 in Union Springs, Town of Springport, Cayuga County, New York; two Phase I cultural resource investigations for the proposed Aurora Water Line in the Town of Aurora, Erie County, New York; and a Phase I/II investigation for proposed sewer line construction, Lake Shore Sewer District, Town of Porter, Niagara County, New York.

He served as principal investigator for the Phase I investigation of a 63-acre site for the proposed public works facility and subsequent Phase II investigation of an historic archaeological site for the Chautauqua County Department of Public Works.

REPRESENTATIVE EBASCO ENVIRONMENTAL PROJECT EXPERIENCE (1992-1993)

Federal Energy Regulatory Commission. Responsible for providing technical support to FERC staff, for reviewing cultural resource reports and preparing documentation for FERC certificated Environmental Impact Statements and Environmental Assessments. These responsibilities included the review of a Phase III Data Recovery report for a multi-component site in Alabama for Transcontinental Gas Pipe Line Corporation's Southern Expansion Project; review of the Phase I cultural resource reports for the West-East Pipeline Company in Louisiana and Mississippi; the preparation of cultural resource sections for the FERC Environmental Impact Statement for this project; and review of a Phase III research design for data recovery work in Colorado for Northwest Pipeline Corporation.

U.S. Environmental Protection Agency. As co-principal investigator assisted in field inspection, site file search, and report writing for the Stage IA Cultural Resource Survey, Olean Superfund Site, Olean and East Olean, Cattaraugus County, New York. The investigation included the inspection of 13 separate sites including factories, oil storage facilities, a private dump, a borrow pit, and a residential area where the USEPA is conducting remedial investigations.

New York State Department of Environmental Conservation (2 years), Regulatory Affairs, Albany, New York
Archaeological Consultant/Director of Cultural Resource Review for State Permits

Direction, coordination, and management of the statewide Uniform Procedure Act's permit program for compliance with the State Historic Preservation Act and State Environmental Quality Review Act (SEQRA). Responsibilities included review of 300 to 400 annual permit applications determining level of cultural resource survey, site testing, and mitigation required; critical report review, and, if required, State Register review (National Register process); developed and implemented survey standards and guidelines for the program; conducted training sessions to educate statewide department personnel concerning cultural resource management and compliance with the State Historic Preservation Act and SEQRA; discussed cultural resource process and New York state permit regulations with applicants, consultants, and lawyers, and presented lectures to various interest groups.

REPRESENTATIVE PROJECT EXPERIENCE (February 1980-November 1986):
ECOLOGY AND ENVIRONMENT, INC. BUFFALO, NEW YORK
Senior Archaeologist (7 years)

Responsibilities included conducting and directing archaeological field surveys and subsequent report preparation, project management, preparing archaeological technical proposals requiring experience in formulating archaeological field techniques, manpower needs, and costing; conducting archival research and site file searches, and client relations including detailing their responsibilities in complying with New York State and Federal cultural resource laws. Conducted and directed field surveys in New York, Puerto Rico, New Jersey, Ohio, Pennsylvania, and

Massachusetts. Prepared cultural resource sections for environmental impact statements and environmental assessments for numerous projects throughout New York, Puerto Rico and the United States. Conducted cultural resource surveys for a diversity of projects including rapid transit systems, municipal wastewater treatment projects, shopping malls, light industrial parks, natural gas transmission lines, and U.S. Naval installations.

City of Buffalo, New York. Archaeological Monitoring of the Construction of the Light Rail Rapid Transit System and Archeological Investigations of the Buffalo Log Road Site (UB 1682), Buffalo, New York. Conducted archaeological monitoring of construction activities of the cut-and-cover section of the transit system in downtown Buffalo for an 18 month period. Discovered early 19th century log road during construction excavations along Main Street in downtown Buffalo. Served as co-principal investigator for data recovery excavations of log road which was determined eligible for listing to the National Register of Historic Places.

Development Downtown, Inc., Buffalo, New York. Stage IB Cultural Resource Survey for the Proposed Downtown Buffalo Sports Complex, Exchange Street Parking Ramp, Erie County, New York. Assisted in archival research, field investigations, and report preparation. This included review of historic literature and historic maps and atlases, archaeological monitoring and investigation of 100 feet of backhoe trenches, documentation of historic deposits discovered, and subsequent report writing.

Village of Hamburg, Erie County, New York. Draft Environmental Impact Statement for the Proposed Enclosed Regional Shopping Center. Responsibilities included preparation of cultural resource section. Conducted literature and site file search, prepared prehistoric and historic cultural histories, and assessed impacts of the proposed project on cultural resources.