STAGE 1B ARCHAEOLOGICAL SURVEY
SAVO CENTER PROJECT
BOROUGH OF RICHMOND, NEW YORK, NEW YORK

CEQR #96DECP-047R

Prepared for:
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July 1998

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF PLATES

LIST OF PARTICIPANTS

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William Goldsmith	-	Field Supervisor
Eddie Cordova	-	Backhoe Operator

INTRODUCTION

The purpose of this archaeological survey is to document the presence or absence of prehistoric and/or historic archaeological resources within the Savo Center project area in south-central Staten Island through the use of physical testing techniques.

The project area is located in south-central Staten Island, New York, in the vicinity of Amboy Road. The property consists of a roughly rectangular parcel located along the northwest side of Amboy Road. It is within Tax Block 4645, Lot 275. See Figure 1 for a map illustrating the location of the project area.

The Stage 1A archaeological/historical sensitivity evaluation report on this development concluded that this parcel could preserve evidence from the prehistoric period. Eleven prehistoric sites are known within two miles of this location. The project area includes elevated land adjacent to a stream, making this a possible location for a hunting camp (Greenhouse Consultants 1998:12). An archaeological survey consisting of two backhoe trenches, augmented by shovel tests within the trenches was recommended.

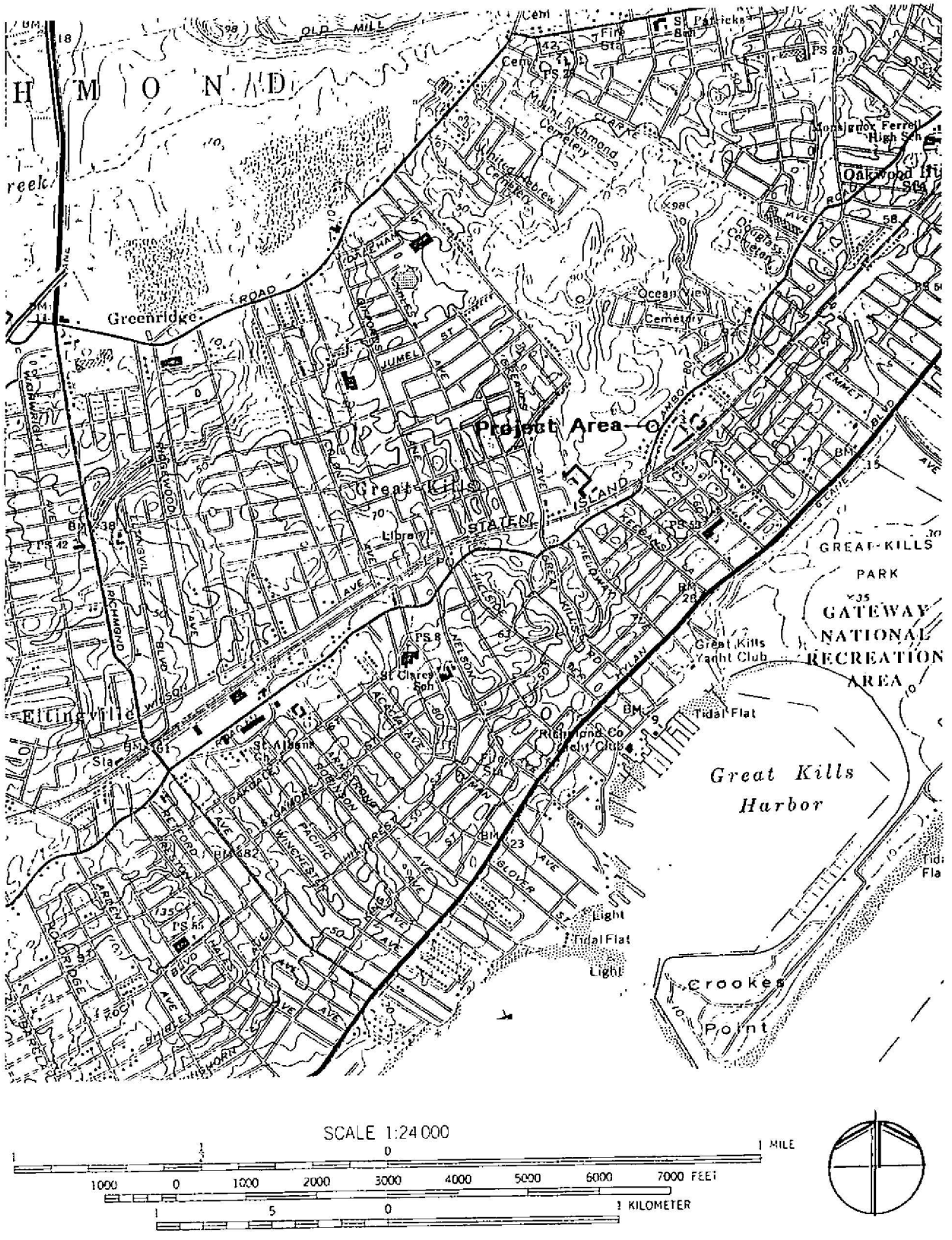

Figure 1 Location of the Savo Center project area shown on portions of the U.S.G.S. 7.5 minute series Arthur Kill and The Narrows, New York Quadrangle, 1967, photorevised 1981.

FIELD METHODOLOGY

The purpose of this Stage 1B archaeological survey is to document the presence or absence of potential prehistoric archaeological resources within the Savo Center project area in Staten Island, New York through the use of physical testing techniques.

The Stage 1B testing of the project area took place on May 27, 1998. This parcel was investigated by two means: backhoe trenching and excavating shovel tests. Two backhoe trenches were excavated to search for evidence of a buried surface adjacent to the former swamp and stream. The first trench measured 50 by 5 feet and the second trench 30 by 5 feet. The trenches were situated based on the 1913 location of the swamp. One trench was designed to cross from the upland into the edge of the swamp. The second trench was placed on the edge of the upland parallel to the swamp. The methodological procedure used for trench excavation was that the backhoe operator was instructed to remove the soil in thin increments under the supervision of the archaeologist.

The shovel testing was conducted when the buried surface was located at less than six feet below grade. The manual excavation of shovel test were used to sample the former surface to search for prehistoric remains. A minimum of two shovel tests were planned for the shorter trench and a minimum of three in the longer trench. The methodological procedure was to excavate into natural subsoil, excepting when halted by obstacles. Horizontal control was maintained by measuring from the property boundaries. Vertical measurements were made relative to the ground surface. See Figure 2 for the location of the backhoe trenches and shovel tests.

All soils from the excavations, backhoe trenching and shovel tests, were screened through ¼-inch mesh for the recovery of artifacts. Soils were excavated and recorded by natural stratigraphic deposits. For all of the shovel tests, the strata encountered were measured, described, and recorded in terms of texture, inclusions and Munsell colors. All information was recorded on standardized, pre-printed provenience forms. All excavations were backfilled after they were recorded and photographed. See Appendix 1 for the original survey record forms.

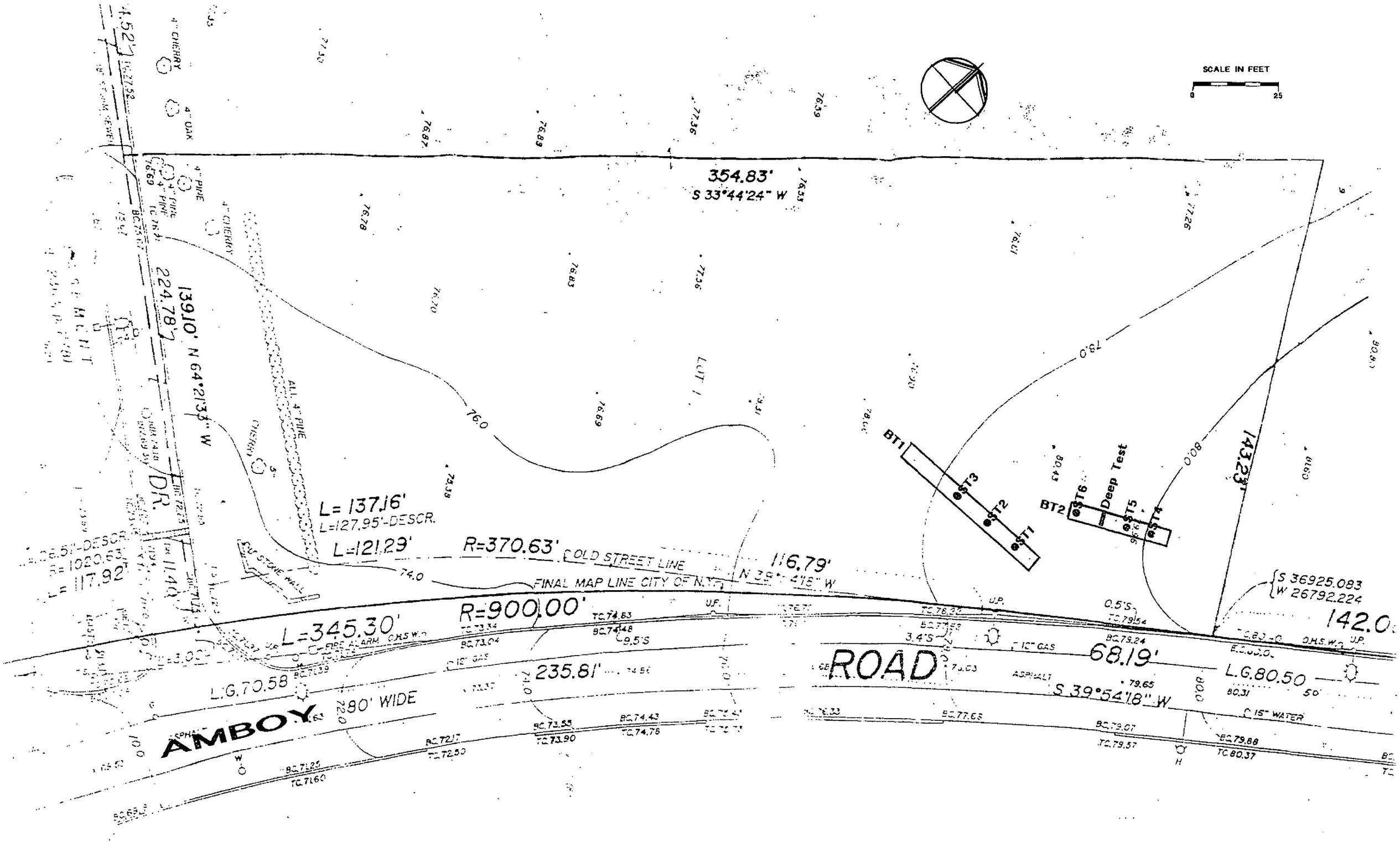

Figure 2 Locations of backhoe trenches and shovel tests within the project area.

A total of six shovel tests were completed, 1 to 3 associated with Backhoe Trench 1 and 4 to 6 associated with Backhoe Trench 2. Shovel Test 3 was stopped by cobbles at 0.9 feet. Shovel Test 4 was also stopped by rock, at 1.8 feet.

STRATIGRAPHIC SUMMARY

The typical profile of the six shovel tests at the Savo Center project area had three layers: the topsoil, in most cases removed by the backhoe, composed of silty, or silty loam with sand; followed with an A horizon of silty loam, or a silty loam with gravel or cobbles; and a third layer or B horizon of silt, which could be mottled or with small pebbles.

Table 2
Shovel Test Profile

Layer #	**Description**	**#**
Topsoil		
Backhoe Trench 1, Shovel Test 2	Silty loam	1
Backhoe Trench 2, Shovel Test 5	Silty loam w/coarse sand	1
Shovel Test 6	Silty loam w/sand	1
A horizon		
Backhoe Trench 1, Shovel Tests 1, 2	Silty loam w/gravel	2
Shovel Test 3	Mottled silty loam w/cobbles	1
Backhoe Trench 2, Shovel Tests 4-6	Silty loam	3
B horizon		
Backhoe Trench 1, Shovel Test 1	Mottled silt	1
Shovel Test 2	Silt w/small pebbles	1
Backhoe Trench 2, Shovel Tests 4,5	Silt	2
Shovel Test 6	Slightly clayey silt, mottled	3

In the area of Shovel Test 1, about six inches of overburden was removed which contained modern beer bottles, metal and other trash. This was Context 3001.01. When Context 3002.01 was removed by the backhoe, 0.3

to 1.0 feet, plastic and tinfoil found in the overburden were discarded in the field. Contexts 3004.01 and 3005.01 were also removed with the backhoe stripping. Most of Context 3006.01 remained after backhoe clearing.

Table 3
Description of Shovel Test Soil Layers

Description	Munsell	Color	#
Silty loam	10YR3/4	Dark brown	1
Silty loam w/coarse sand	10YR3/4	Dark yellow brown	1
Silty loam w/sand	10YR4/4	Dark yellow brown	1
Silty loam w/gravel	10YR3/4	Dark yellow	1
	10YR3/3	Dark brown	1
Mottled silty loam w/cobbles	10YR3/3	Dark brown mottled with 7.5/yr4/6 Strong brown	1
Silty loam	10YR3/3	Dark brown	3
Mottled silt	10YR5/4	Yellow brown mottled with 7.5YR4/6 Strong brown	1
Silt w/small pebbles	10YR5/8	Yellow brown	1
Silt	10YR5/1	Grey	1
	10YR5/6	Yellow brown	1
Slightly clayey silt mottled with black silt	10YR5/8	Yellow brown mottled with 10YR2/1 Black	1

The greatest depth of the A horizon was 1.2 feet in Shovel Test 6. The average thickness of the six shovel tests was 0.75 feet. The depth of the B horizon ranged from 0.7 to 1.9 feet with an average of 0.70 feet in thickness. A deep test was conducted in Backhoe Trench 2 where the first layer of silty loam went to 0.5 feet in depth. The second layer of slightly clayey silt went to 1.2 feet. The third layer of silt had a depth of 2.1 feet. A fourth layer of silt with some sand started at 2.1 and backhoe trenching ceased at 2.6 feet.

ARTIFACT PROCESSING AND ANALYSIS

Laboratory Methodology

Ten artifacts were returned to the Greenhouse Consultants laboratory for processing and analysis. All were glass artifacts from the second level of Shovel Tests 2 through 6.

The artifacts recovered from the field work were returned to the Greenhouse Consultants Laboratory in New York City for processing. The cultural material was washed in room temperature tap water, dried, marked, and catalogued. The drying procedure was slow air drying on screens in the laboratory processing area. The artifacts were labeled with their appropriate context number.

Artifacts were identified using a modified form of the Cultural Material Data Base Taxonomy of the National Park Service. Artifacts were coded for their functional group, class and material. Technological and stylistic manufacturing ranges were assigned when an artifact exhibited a datable attribute. Establishing the range of manufacture of artifacts provides a time frame for establishing dates after which the refuse deposits were made. This information was recorded on a tyvek label which was inserted with the artifact into a clear polyethylene ziplock bag. The bags were also labeled with context and catalog numbers.

Subsequent to cataloguing, the information from all artifacts with their appropriate codes were inventoried using Paradox, a relational database software, which provides sorted inventory lists for contexts and artifact groups.

Contexts were assigned series numbers in accordance to the type of data recovery method. Shovel testing is identified by the 3000 series. See Appendix 1 for the context labeling system.

Artifact Analysis

The ten artifacts recovered were modern historic glass, three window glass fragments in Context 3005.02 and the remaining seven were container glass, probably *from* beverage bottles.

No prehistoric artifacts were recovered from the shovel tests.

RESULTS

The purpose of this archaeological testing was to search for evidence of prehistoric use of this land. No evidence of prehistoric artifacts or features was found during this testing.

The archaeological testing did recover ten fragments of glass from the historic period. Three were window glass, and seven were from containers. All likely date to the twentieth century.

CONCLUSIONS AND RECOMMENDATIONS

This final report documents the procedures and results of the Stage 1B testing of the Savo Center project, Staten Island, New York. Based on this objective ground testing, it can now be concluded that no potentially significant prehistoric or historic resources were present within the boundaries of the project area. We can now confidently state that additional testing is not necessary and no further work is recommended.

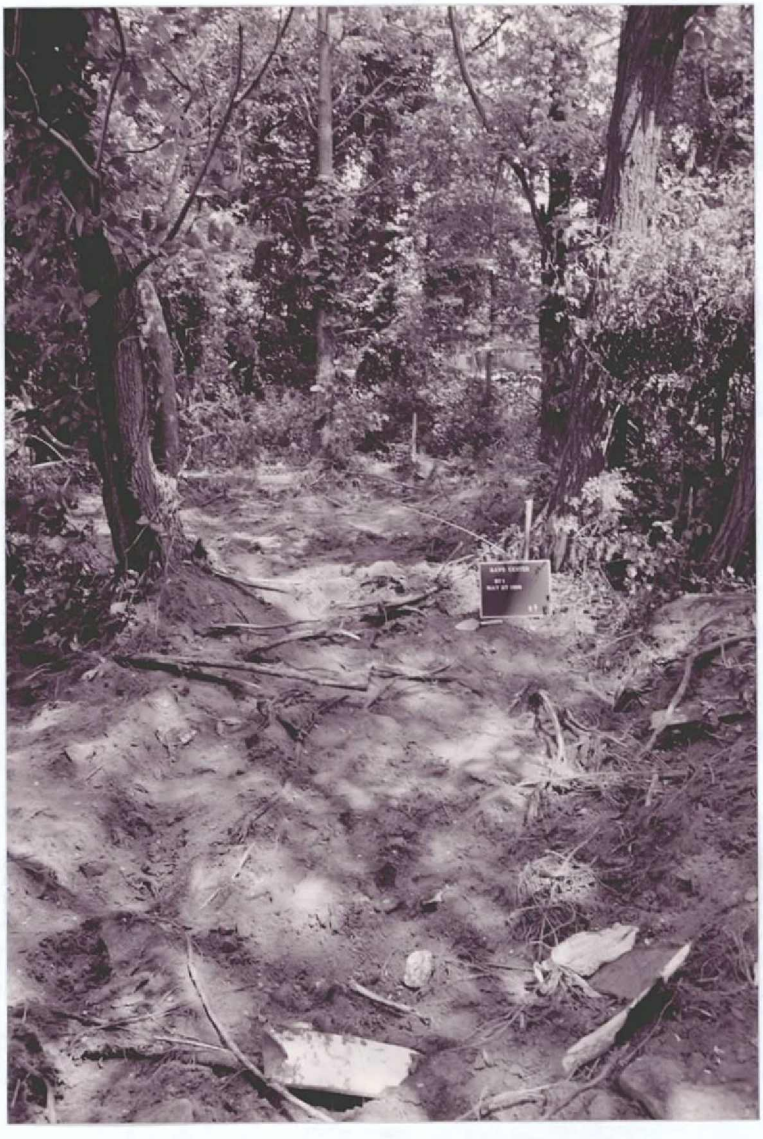

Plate 1 View of Backhoe Trench 1 looking east.

Plate 2 View of Backhoe Trench 2 looking northeast.

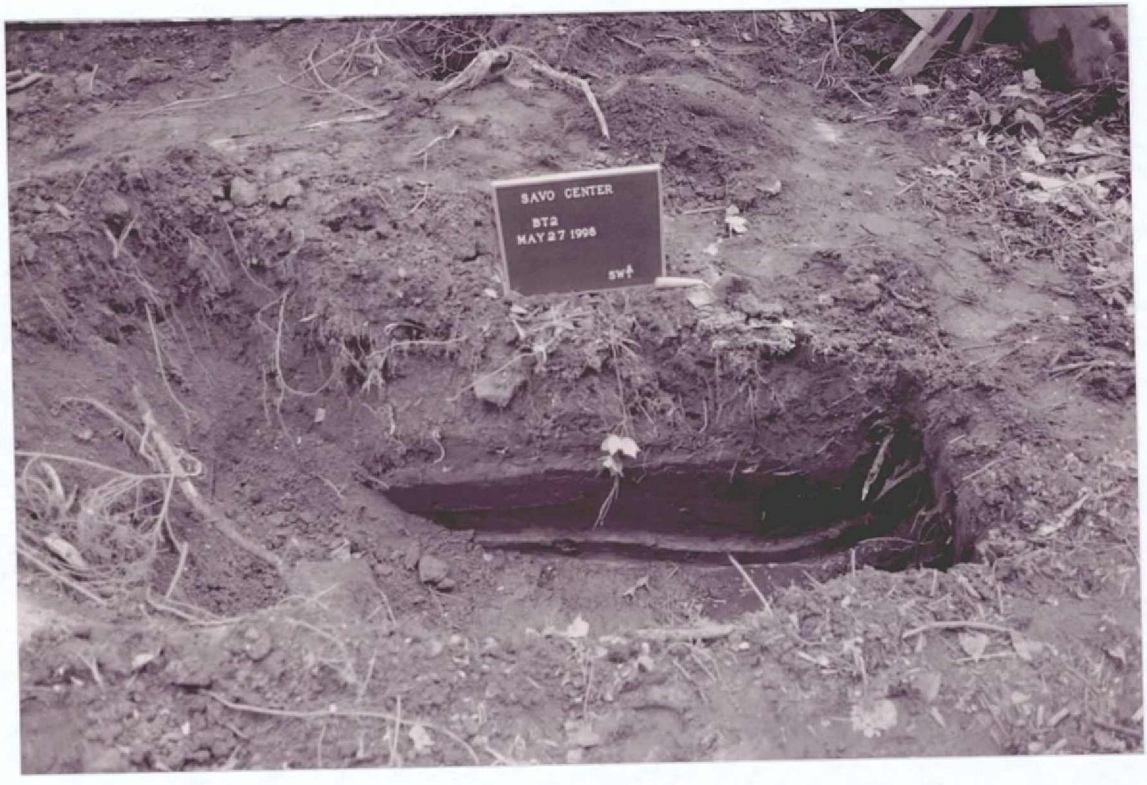

Plate 3 Detail of deep test within Backhoe Trench 2 looking southwest.

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Greenhouse Consultants Incorporated

1998 Stage 1A Archaeological/Historical Sensitivity Evaluation of the Savo Center Project, Borough of Richmond, New York, CEQR #96DECP-047R.

MAPS AND ATLASES

United States Geological Survey

1967 *Arthur Kill, New York-New Jersey Quadrangle.* 7.5 minute series topographic map. Photorevised 1981.

1967 *The Narrows, New York Quadrangle.* 7.5 minute series topographic map. Photorevised 1981.

APPENDIX 1

SHOVEL TEST FORMS

APPENDIX 1
CONTEXT NUMBERING AND PROVENIENCE LABELING

A field recording system which encompasses a variety of conditions and situations is optimal for any archaeological project. Among these situations are the size of the project, the number of different field techniques and the number of expected artifacts. The field recording system used was developed by Greenhouse Consultants and was based on modifications of other accepted systems.

All contexts are numbered in the field and these numbers are applied to the artifacts. The format for numbering is XX-9999.99 where X is alphanumeric and 9 is numeric. The alphanumeric characters to the left of the hyphen are the prefix. The two digits to the right of the decimal point are used only when it is necessary to refer to strata within a context. The four digits between the prefix and decimal subdivision may be called the base code.

The prefix is a two character designation of the project parcel. The four digit numeric base code can be divided into two parts; the first digit being separate from the last three. The first numeric digit indicates the type of field technique used. The codes are as follows:

1000: unprovenienced surface collection
2000: *provenienced surface collection*
3000: shovel testing
4000: trenching
5000: excavation units
6000: feature excavation
7000: borings
8000:
9000: transects

The three digits following the technique code are unique for each location and are assigned sequentially. Decimal subdivisions may be used for techniques three through six to indicate specific strata. For example, 01-3001.02 refers to Area 1 (01), shovel test (3), number 1 (001), at the second layer (.02).

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Savo Center			COORDINATES : 8' west of East End [illegible]		
SITE :	SUPERVISOR : UR	EXCAVATOR : BK	SCREENED ? 1/4	DATE : 5-27-98	TEST TYPE AND NO. : ST 1

STRATIGRAPHY. :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1.02	0 - 0.7	Silty loam w/ gravel	10yr 3/4 DK yel BN	NCM	A
2.03	0.7 - 1.2	Silt (mottled)	10yr 5/4 yel BN w/ 7.5yr 4/6 strong Brown	"	B
3					
4					
5					
6					
7					
8					

* *Give depths relative to ground surface*

General Notes : (Note if cult. material retained, and if soil samples are taken.)
Removed about 6" of overburden Containing Modern Beer Bottles, Metal etc. (cx. 1.01)

Cross Refs :

Plan

Section

Photos

Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Savo Center			COORDINATES : 18' west of East [illegible]		
SITE :	SUPERVISOR : UR	EXCAVATOR : BK	SCREENED ? 1/4	DATE : 5-27-98	TEST TYPE AND NO. : ST 2

STRATIGRAPHY. :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1.02	0 - 0.7	Silty loam w/ gravel	10yr 3/3 DK [illegible]	Modern glass	A
2.03	0.7 - 1.2	Silt w/ small pebbles	10yr 5/6 yel BN	NCM	B
3					
4					
5					
6					
7					
8					

* *Give depths relative to ground surface*

General Notes : (Note if cult. material retained, and if soil samples are taken.) (cx. 2.01 removed by backhoe)
Plastic + Tin foil Discarded
* 0.3'-1.0' Removed Overburden ST #1 (Silty loam) 10yr 3/4 DK BN

Cross Refs :

Plan

Section

Photos

Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : SAVO Center			COORDINATES : 30' west of East End point #1		
SITE :	SUPERVISOR : WR	EXCAVATOR : BK	SCREENED ? 1/4"	DATE : 5-27-98	TEST TYPE AND NO. : ST 3

STRATIGRAPHY. :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
01	0-0.9'	Silty loam w/ Cobbles - mottled	10yr 3/3 DK BN w/ 7.5yr 4/6 Strong BN	1 pc. glass	A
2					
3					
4					
5					
6					
7					
8					

* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.) cx. 3.0l removed by Backhoe

Stopped by Cobbles at 0.9'
over Burden Remains

Cross Refs :	
Plan	Photos
Section	Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : SAVO Center			COORDINATES : 5.5' S.W. of F.S. #1 of BT #2		
SITE :	SUPERVISOR : WR	EXCAVATOR : BG	SCREENED ? 1/4"	DATE : 5-27-98	TEST TYPE AND NO. : ST 4

STRATIGRAPHY. :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
02	0-0.7	Silty loam	10yr 3/3 DK BN	1 pc. glass	A
03	0.7-1.8	SILT	10yr 6/1 grey	NCM	B
3					
4					
5					
6					
7					
8					

* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.) (cx. 4.0l removed by Backhoe)

Stopped by Rock @ 1.8'

Cross Refs :	
Plan	Photos
Section	Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Savo Center			COORDINATES : 13.5' S.W. of END 13 ± 2		
SITE :	SUPERVISOR : WR	EXCAVATOR : BC	SCREENED ? 1/4"	DATE : 5-27-98	TEST TYPE AND NO. : ST 5

STRATIGRAPHY. :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
#.02	0-0.7	Silty loam	10yr 3/3 dk brn	3pc. Ceramic glass	A
#.03	0.7-1.4'	Silt	10yr 5/6 yel/brn	Ncm	B
3					
4					
5					
6					
7					
8					

* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)
#. 0.5 Removed Overburden For BT #2
Silty loam w/coarse Sand = Cx 5.01 10yr 3/4 dk yel brn

Cross Refs :	
Plan	Photos
Section	Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : Savo Center			COORDINATES : 28.3 S.W. of END = 2		
SITE :	SUPERVISOR : WR	EXCAVATOR : BC	SCREENED ? 1/4"	DATE : 5-27-98	TEST TYPE AND NO. : ST 6

STRATIGRAPHY. :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0-0.4	Silty loam w/sand	10yr 4/4 dk yel brn	Ncm	Topsoil
2	0.4-1.2	Silty loam	10yr 3/3 dk brn	1 pc. glass	A
3	1.2-1.9	Slightly Clayey Silt mottled w/Black Silt	10yr 5/8 yel/brn w/ 10yr 2/1 Black	Ncm	B
4					
5					
6					
7					
8					

* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)
Most of Cx 6.01 remained after Backhoe Cleaning.

Cross Refs :	
Plan	Photos
Section	Notebook

SURVEY RECORD SHEET : Postholes, Auger holes, Shovel tests

PROJECT : SAVO			COORDINATES : 21ft. SW of E end AF 2		
SITE :	SUPERVISOR : WR	EXCAVATOR : Backhoe	SCREENED ? No	DATE : 27 May 98	TEST TYPE AND NO. : B.T. 2 Deep Test

STRATIGRAPHY. :

LAYER	DEPTH *	DESCRIPTION	COLOR	CULT. MAT.	NOTES
1	0 - 0.5'	Silty Loam	10 YR 3/3 Dk. Br.		
2	0.5'-1.2'	Sl. Cl. Silt	10 YR 5/4 Yel. Br.		
3	1.2'-2.1'	Silt	10 YR 2/1 Black		
4	2.1'- ?	Silt w/ some sand	10 YR 6/4 Lt. Yel. Br.		
5					
6					
7					
8					

* Give depths relative to ground surface

General Notes : (Note if cult. material retained, and if soil samples are taken.)

Stopped @ 2.6 feet

Top Layer Removed by Backhoe

Cross Refs :	
Plan	Photos
Section	Notebook

APPENDIX 2

COMPLETE ARTIFACT INVENTORY

TABLES FOR CODING MATERIAL CULTURE

A. Table for National Park Service Material Culture Data Base Coding Chart: Groups, Classes and Material

B. Table for Data Base Coding Chart: Groups and Classes

C. Table for Data Base Coding Chart: Prehistoric Artifacts - Class and Morphology

D. Table for Data Base Coding Chart: Ambiguous Items of Material Culture

APPENDIX 2

A. Table for National Park Service Material Culture Data Base Coding Chart: Groups, Classes and Materials

GROUPS AND CLASSES

01 KITCHEN GROUP
- 01 Dishes
- 02 Containers
- 03 Tableware
- 04 Kitchenware

02 FAUNAL/FLORAL GROUP
- 01 Mammalia
- 02 Aves
- 03 Reptilia
- 04 Amphibia
- 05 Pisces
- 09 Ethnofaunal/Zoological
- 16 Ethnobotanical

03 ARCHITECTURAL GROUP
- 01 Window glass
- 02 Nails
- 03 Spikes
- 04 Door & Window hardware
- 05 Other structural hardware
- 06 Construction materials

04 FURNITURE GROUP
- 01 Hardware
- 02 Materials
- 03 Lighting device
- 04 Decorative furnishings

05 ARMS GROUP
- 01 Projectiles
- 02 Cartridge case
- 03 Arms accessories
- 04 Gun parts

06 CLOTHING GROUP
- 01 Apparel
- 02 Ornamentation
- 03 Making and repair
- 04 Fasteners

07 PERSONAL GROUP
- 01 Coins
- 02 Keys
- 03 Writing paraphernalia
- 04 Grooming and hygiene
- 05 Personal ornamentation
- 06 Other personal items

08 TOBACCO PIPE GROUP
- 01 Kaolin pipe class
- 02 Nonkaolin pipe
- 03 Smoking accessories

09 ACTIVITIES GROUP
- 01 Construction tools
- 02 Farm tools
- 03 Leisure activities
- 04 Fishing gear
- 05 —
- 06 —
- 07 Pottery class
- 08 Storage items
- 09 —
- 10 Stable and barn
- 11 Miscellaneous hardware
- 12 Specialized activities
- 13 Military objects
- 14 Housekeeping
- 15 Public services

10 PREHISTORIC GROUP
- 01 Hunting and fishing activities
- 02 Domestic activities
- 03 Stone working
- 04 Wood working
- 05 Digging tools
- 06 Other fabricating or processing tools
- 07 Other general utility tools
- 08 Ceremonial & ornamental
- 09 Miscellaneous

11 SAMPLES
- – Charcoal samples for radiocarbon dating
- – Flotation samples
  - -- light fraction
  - -- heavy fraction
- – Soil samples

98 UNSPECIFIED GROUP

MATERIALS - COMMON LIST (CLASSIFIED)

INORGANIC MATERIALS

CERAMIC
- 001 Porcelain
- 002 Stoneware
- 003 Earthenware
- 004 Whiteware/ironstone/granite
- 134 Undifferentiated ceramic

CLAY
- 047 Clay
- 062 Kaolin
- 079 Red clay

CONSTRUCTION
- 069 Brick
- 071 Cement
- 070 Mortar
- 072 Plaster

GLASS
- 013 Milk glass
- 078 Glass
- 112 Slag and clinker

METALS
- 005 Tin
- 019 Silver
- 021 Gold
- 026 Cuprous metal
- 028 Ferrous alloy
- 029 Aluminum
- 032 Steel
- 034 Lead
- 035 Chrome
- 096 Mercury
- 136 Undifferentiated metal

STONE
- 129 Agate
- 075 Asbestos
- 133 Chalk
- 052 Chert
- 042 Granite
- 046 Gravel
- 109 Jet
- 038 Limestone
- 041 Marble
- 049 Mica
- 058 Obsidian
- 057 Ochre
- 068 Precious stone
- 053 Quartz
- 054 Quartzite
- 039 Sandstone
- 044 Shale
- 040 Slate
- 060 Steatite
- 043 Schist
- 126 Undifferentiated stone

ORGANIC MATERIALS

CELLULOSIC
- 115 Bark
- 108 Burlap
- 128 Charcoal
- 092 Cork
- 087 Cotton
- 131 *Fiberboard/masonite*
- 085 Hemp
- 011 Paper
- 006 Wood
- 121 Cellulose seeds/ seed covering

CONSTRUCTION
- 093 Asphalt
- 125 Formica
- 101 *Linoleum*
- 102 Tar paper

WAX
- 076 Wax

GUM/RESIN
- 010 Rubber, elastic
- 009 Rubber, hard

PETROCHEMICALS
- 073 Carbon
- 095 Coal
- 048 Graphite
- 116 Tar

PROTEIN
- 118 Chitin (arthropod, exoskeleton)
- 106 Felt
- 122 Flesh
- 016 Hair
- 117 Keratin (horns/fingernail/claws)
- 015 Leather
- 107 Silk
- 090 Sponge, natural
- 105 Wool

COMBINATION MATERIALS
- 017 Bone
- 132 Ivory
- 067 Pearl
- 089 Shell

SYNTHETIC MATERIALS
- 103 Celluloid
- 088 Nylon
- 008 Plastic
- 077 Soap
- 091 Sponge, synthetic
- 104 Synthetic

TEXTILE
- 151 Undifferentiated textile

APPENDIX 2
B. Table for Data Base Coding Chart: Groups and Classes

GROUPS AND CLASSES	SAMPLE ARTIFACTS
01 KITCHEN	
01 Dishes	Plate, cup, salt cellar
02 Containers	Bottle glass fragments
03 Tableware	Eating utensils
04 Kitchenware	Cooking utensils, pot, kettle
02 FAUNAL/FLORAL GROUP	
01 Mammalia	Mammal
02 Aves	Bird
03 Reptilia	Reptile
04 Amphibia	Amphibian
05 Pisces	Fish
09 Other ethnofaunal/zoological	Oyster, crab, egg shells
16 Ethnobotanical	Seeds, nuts
03 ARCHITECTURAL GROUP	
01 Window glass	*Window pane glass*
02 Nails	Nails
03 Spikes	Railroad spikes
04 Door & Window hardware	Doorknob, door hinge
05 Other Structural hardware	Pipe, fireplace tiles
06 Construction materials	Brick, mortar, roofing
04 FURNITURE GROUP	
01 Hardware	Handle, drawer pull, latch
02 Materials	Stove parts, chair part, bedframe
03 *Lighting device*	Candlestick, lamp base
04 Decorative furnishings	Flowerpot, clock parts, vase
05 ARMS GROUP	
01 Projectiles	Shot, bullets
02 Cartridge case	Cartridge
03 Arms accessories	Gun flints, bullet molds, powder horn
04 Gun parts	Pistol barrel, flintlock assembly
06 CLOTHING GROUP	
01 Apparel	Hat, coat, scarves, glove, shoe
02 Ornamentation	Beads, sequin, hatpin, feather
03 Making and Repair	Thimble, straight pin, scissors
04 Fasteners	Buttons, snaps, buckles, cufflink
07 PERSONAL GROUP	
01 Coins	Coins
02 Keys	Door lock keys, padlock keys
03 Writing paraphernalia	Quill, fountain pen nib, graphite pencil
04 Grooming & hygiene	Hairbrush, razor, mirror, tweezers
05 Personal ornamentation	Jewelry, ribbon, ornamental comb
06 Other personal items	*Pocket watch, key chain, pocket knife*

GROUPS AND CLASSES	
08 TOBACCO PIPE GROUP	
01 Kaolin pipe	Kaolin pipe
05 Nonkaolin pipe	Corncob pipe
06 Smoking accessories	Snuff tin, cuspidor, tobacco tin, pipe cleaner
09 ACTIVITIES GROUP	
01 Construction tools	*Axe head, drill bit, saw, paintbrush*
02 Farm tools	Hoe, rake, plow blade
03 Leisure activities	Marbles, jew's harp, doll parts
04 Fishing gear	Fish hooks, sinkers, crab trap
05 —	
06 —	
07 Pottery class	Indian water jar, effigy pot
08 Storage items	Crock, barrel staves, sacks
09 —	
10 Stable and barn	Stirrup, horseshoe, rein, harness belt
11 Miscellaneous hardware	Rope, bolts, nuts, washers, chain
12 Specialized activities	Button blanks, metallurgic debris, saggars
13 Military objects	Insignia, bayonets
14 Housekeeping	Broom, coat hanger, washboard
15 Public services	Sewer pipe, water pipe
10 PREHISTORIC GROUP	
01 Hunting and Fishing	Projectile point, atatl hook
02 Domestic	Vessel, mortar, pestle
03 Stone working	Hammerstone, baton, flake, core
04 Wood working	Celt, grooved axe
05 Digging Tools	Hoe
06 Other fabricating or processing tools	Drill, chisel, needle
07 Other general utility tools	Knife, prismatic blade, chopper
08 Ceremonial & ornamental	Sheet, gorget, bead
09 Miscellaneous	Function unknown

APPENDIX 2

C. Table for Data Base Coding Chart: Prehistoric Artifacts - Class and Morphology

Class 01: Hunting and Fishing Activities

01 - Projectile point
02 - Birdstone
03 - Bannerstone
04 - Boatstone
05 - Fish hook
06 - Netsinker
07 - Atlatl hook

Class 02: Domestic Activities

13 - vessel
14 - mortar
15 - pestle
16 - muller
17 - groundstone fragment

Class 03: Stone Working

21 - Hammerstone
22 - Baton
23 - Tine
24 - Splinter
25 - Drift or "punch"
26 - Anvil
27 - Flake, primary
28 - Flake, secondary
29 - Bifacial thinning flake
30 - Core
31 - Blank
32 - Tested piece

Class 04: Wood Working

37 - Celt
38 - Grooved axe
39 - Spokeshave

Class 16: Ethnobotanical

Seeds
Nuts

Class 06: Other Fabricating or Processing Tools

51 - Perforator
52 - Drill
53 - Awl
54 - Reamer
55 - Chisel
56 - Microperforator
57 - Needle
58 - Graver

Class 07: General *Utility Tools*

67 - Knife
68 - Side scraper
69 - Core scraper
70 - Stemmed end scraper
71 - Other end scraper
73 - Prismatic blade
74 - Chopper
75 - Utilized/Retouched flake
76 - Pitted pebble
77 - Gouge
78 - Maul
79 - Abrader
80 - Whetstone
81 - Biface
82 - Adze
83 - Distolateral scraper
84 - Bifacial end scraper
85 - Bifacial scraper

Class 08: Ceremonial & Ornamental Objects

85 - Angled pipe
86 - Tube
87 - Platform pipe
88 - Cloud blower pipe
89 - Sheet
90 - Plates
91 - Comb
92 - Bead
93 - Gorget
- - Hematite
- - Ochre

APPENDIX 2

D. Table for Data Base Coding Chart: Ambiguous Items of Material Culture

Note: The items listed below may be ambiguous or hard to place in a taxonomic category, but as a convention, for inventory purposes, will be coded as follows:

Unidentified wood fragments	98	00		006
Construction wood	03	06		006
Pegs, Wood planks	03	06		006
Twigs, branches	09	16		006
Burned wood (partial)	Code as wood (above) and put "burnt wood" in the comments section			
Charcoal and all small fragments of completely burnt wood	Code as charcoal			
Coal	98	00		095
Slag, burned coal, vitrified metalworking or manufacturing by-products	98	00		112
Pantiles	03	06		003
Delft fireplace tiles, wall skirting, etc.	04	04		003
Porcelain bathroom tiles, other bathroom furniture (tub, toilet, etc.)	03	05		001
Chamber pot	04	02		00-
Flowerpot	04	04	002	00-
Teeth	02	-		132
Fish scales	02	09		118
Coral	04	04		119
Eggshell	02	09		119
Seeds, seed covering	02	16		121
Schist (construction)	03	06		043
Schist (unidentified)	98	00		043
Red brick	03	06		169
Yellow brick	03	06		155
Linoleum	03	06		101
Metal hardware (probably construction)	03	06		( )
Furniture hardware	04	01		( )
Miscellaneous hardware (other and unidentified including screws, car parts)	09	11		( )
Leather shoe parts	06	01		015
Unidentified leather scraps	98	00		015
Leather personal items	07	( )		015

ARTIFACT INVENTORY
SAVO CENTER
STATEN ISLAND, NEW YORK

Context	Gp	Cl	Mph	Mat	Identity	Count	Comments	Reference	Range	Cat#
** Context 3002.02										
3002.02	01	02		078	Container glass	1	Kelly green			1
3002.02	01	02		078	Container glass	2	Brown			2
3002.02	01	02		078	Container glass	1				3
** Subtotal **						4				
** Context 3003.02										
3003.02	01	02		078	Container glass	1				4
** Subtotal **						1				
** Context 3004.02										
3004.02	01	02		078	Container glass	1	Brown			5
** Subtotal **						1				
** Context 3005.02										
3005.02	03	01		078	Flat glass	3				6
** Subtotal **						3				
** Context 3006.02										
3006.02	01	02		078	Container glass	1				7
** Subtotal **						1				
*** Total ***						10				