



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18AP20

Site Name: Arundel Estates

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

Middle-Late Woodland shell midden, artifact concentration

## Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 7

SCS soil & sediment code

Latitude 38.9902

Longitude -76.4943

Physiographic province Western Shore Coastal

Terrestrial site

Underwater site

Elevation m Site slope

Ethnobotany profile available  Maritime site

Site setting

-Site Setting restricted

-Lat/Long accurate to within 1 sq. mile, user may need to make slight adjustments in mapping to account for sites near state/county lines or streams

### Topography

- Floodplain
- Hilltop/bluff
- Interior flat
- Upland flat
- Ridgetop
- Terrace
- Low terrace
- High terrace
- Rockshelter/cave
- Hillslope
- Unknown
- Other

### Ownership

- Private
- Federal
- State of MD
- Regional/county/city
- Unknown

### Nearest Surface Water

Name (if any) Severn River

#### Saltwater

Ocean

Estuary/tidal river

Tidewater/marsh

#### Freshwater

Stream/river

Swamp

Lake or pond

Spring

Minimum distance to water is 0 m

## Temporal & Ethnic Contextual Data:

Paleoindian site

Woodland site

Contact period site

ca. 1820 - 1860

Archaic site

MD Adena

ca. 1630 - 1675

ca. 1860 - 1900

Early archaic

Early woodland

ca. 1675 - 1720

ca. 1900 - 1930

Middle archaic

Mid. woodland

ca. 1720 - 1780

Post 1930

Late archaic

Late woodland

ca. 1780 - 1820

Unknown historic context

Unknown prehistoric context

Unknown context

### Ethnic Associations (historic only)

Native American

Asian American

African American

Unknown

Anglo-American

Other

Hispanic

Y=Confirmed, P=Possible

## Site Function Contextual Data:

### Prehistoric

- Multi-component
- Village
- Hamlet
- Base camp
- Rockshelter/cave
- Earthen mound
- Cairn
- Burial area
- Misc. ceremonial
- Rock art
- Shell midden
- STU/lithic scatter
- Quarry/extraction
- Fish weir
- Production area
- Unknown

Other context

artifact concentration

### Historic

Urban/Rural?

#### Domestic

- Homestead
- Farmstead
- Mansion
- Plantation
- Row/townhome
- Cellar
- Privy

#### Industrial

- Mining-related
- Quarry-related
- Mill
- Black/metalsmith
- Furnace/forge
- Other

Furnace/forge

Other

#### Transportation

- Canal-related
- Road/railroad
- Wharf/landing
- Maritime-related
- Bridge
- Ford

#### Educational

#### Commercial

- Trading post
- Store
- Tavern/inn

#### Military

Battlefield 

Fortification 

Encampment 

#### Townsite

#### Religious

Church/mtg house 

Ch support bldg 

#### Burial area

Cemetery 

Sepulchre 

Isolated burial 

#### Bldg or foundation

Possible Structure 

Post-in-ground 

Frame-built 

Masonry 

Other structure 

#### Slave related

#### Non-domestic agri

#### Recreational

#### Midden/dump

#### Artifact scatter

#### Spring or well

#### Unknown

#### Other context

## Interpretive Sampling Data:

### Prehistoric context samples

Soil samples taken

Flotation samples taken

Other samples taken

### Historic context samples

Soil samples taken

Flotation samples taken

Other samples taken



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## Diagnostic Artifact Data:

Projectile Point Types		Koens-Crispin	
Clovis	<input type="checkbox"/>	Perkiomen	<input type="checkbox"/>
Hardaway-Dalton	<input type="checkbox"/>	Susquehana	<input type="checkbox"/>
Palmer	<input type="checkbox"/>	Vernon	<input type="checkbox"/>
Kirk (notch)	<input type="checkbox"/>	Piscataway	<input type="checkbox"/>
Kirk (stem)	<input type="checkbox"/>	Calvert	<input type="checkbox"/>
Le Croy	<input type="checkbox"/>	Selby Bay	<input type="checkbox"/>
Morrow Mntn	<input type="checkbox"/>	Jacks Rf (notch)	<input type="checkbox"/>
Guilford	<input type="checkbox"/>	Jacks Rf (pent)	<input type="checkbox"/>
Brewerton	<input type="checkbox"/>	Madison/Potomac	<input type="checkbox"/>
Otter Creek	<input type="checkbox"/>	Levanna	<input type="checkbox"/>

## Prehistoric Sherd Types

Marcey Creek	<input type="checkbox"/>	Popes Creek	<input type="checkbox"/>	Shepard	<input type="checkbox"/>	Keyser	<input type="checkbox"/>
Dames Qtr	<input type="checkbox"/>	Coulbourn	<input type="checkbox"/>	Townsend	<input type="checkbox"/>	Yeocomico	<input type="checkbox"/>
Selden Island	<input type="checkbox"/>	Watson	<input type="checkbox"/>	Minguannan	<input type="checkbox"/>	Monongahela	<input type="checkbox"/>
Accokeek	<input type="checkbox"/>	Mockley	<input type="checkbox"/>	Sullivan Cove	<input type="checkbox"/>	Susquehannock	<input type="checkbox"/>
Wolfe Neck	<input type="checkbox"/>	Clemson Island	<input type="checkbox"/>	Shenks Ferry	<input type="checkbox"/>		
Vinette	<input type="checkbox"/>	Page	<input type="checkbox"/>	Moyaone	<input type="checkbox"/>		
				Potomac Crk	<input type="checkbox"/>	1	

## Historic Sherd Types

Earthenware		Ironstone		Staffordshire		Stoneware	
Astbury	<input type="checkbox"/>	Jackfield	<input type="checkbox"/>	Tin Glazed	<input type="checkbox"/>	English Brown	<input type="checkbox"/>
Borderware	<input type="checkbox"/>	Mn Mottled	<input type="checkbox"/>	Whiteware	<input type="checkbox"/>	Eng Dry-bodied	<input type="checkbox"/>
Buckley	<input type="checkbox"/>	North Devon	<input type="checkbox"/>	<b>Porcelain</b>	<input type="checkbox"/>	Nottingham	<input type="checkbox"/>
Creamware	<input type="checkbox"/>	Pearlware	<input type="checkbox"/>			Rhenish	<input type="checkbox"/>
						Wt Salt-glazed	<input type="checkbox"/>

All quantities exact or estimated minimal counts

## Other Artifact & Feature Types:

Prehistoric Artifacts		Other fired clay	
Flaked stone	<input type="checkbox"/>	Human remain(s)	<input type="checkbox"/>
Ground stone	<input type="checkbox"/>	Modified faunal	<input type="checkbox"/>
Stone bowls	<input type="checkbox"/>	Unmod faunal	<input type="checkbox"/>
Fire-cracked rock	<input type="checkbox"/>	Oyster shell	<input checked="" type="checkbox"/>
Other lithics (all)	<input type="checkbox"/>	Floral material	<input type="checkbox"/>
Ceramics (all)	<input type="checkbox"/>	Uncommon Obj.	<input type="checkbox"/>
Rimsherds	<input type="checkbox"/>	Other	<input type="checkbox"/>

## Prehistoric Features

Mound(s)	<input type="checkbox"/>	Storage/trash pit	<input type="checkbox"/>
Midden	<input type="checkbox"/>	Burial(s)	<input type="checkbox"/>
Shell midden	<input checked="" type="checkbox"/>	Ossuary	<input type="checkbox"/>
Postholes/molds	<input type="checkbox"/>	Unknown	<input type="checkbox"/>
House pattern(s)	<input type="checkbox"/>	Other	<input type="checkbox"/>
Palisade(s)	<input type="checkbox"/>		
Hearth(s)	<input type="checkbox"/>		
Lithic reduc area	<input type="checkbox"/>		

## Lithic Material

Jasper	<input type="checkbox"/>	Chalcedony	<input type="checkbox"/>	European flint	<input type="checkbox"/>
Chert	<input type="checkbox"/>	Ironstone	<input type="checkbox"/>	Basalt	<input type="checkbox"/>
Rhyolite	<input checked="" type="checkbox"/>	Argilite	<input type="checkbox"/>	Unknown	<input type="checkbox"/>
Quartz	<input type="checkbox"/>	Steatite	<input type="checkbox"/>	Other	<input type="checkbox"/>
Quartzite	<input type="checkbox"/>	Sandstone	<input type="checkbox"/>		

Dated features present at site

Historic Artifacts		Tobacco related	
Pottery (all)	<input type="checkbox"/>	Activity item(s)	<input type="checkbox"/>
Glass (all)	<input type="checkbox"/>	Human remain(s)	<input type="checkbox"/>
Architectural	<input type="checkbox"/>	Faunal material	<input type="checkbox"/>
Furniture	<input type="checkbox"/>	Misc. kitchen	<input type="checkbox"/>
Arms	<input type="checkbox"/>	Floral material	<input type="checkbox"/>
Clothing	<input type="checkbox"/>	Misc.	<input type="checkbox"/>
Personal items	<input type="checkbox"/>	Other	<input type="checkbox"/>

## Historic Features

Const feature	<input type="checkbox"/>	Well/cistern	<input type="checkbox"/>	Burial(s)	<input type="checkbox"/>	Other	<input type="checkbox"/>
Foundation	<input type="checkbox"/>	Trash pit/dump	<input type="checkbox"/>	Railroad bed	<input type="checkbox"/>		
Cellar hole/cellar	<input type="checkbox"/>	Sheet midden	<input type="checkbox"/>	Earthworks	<input type="checkbox"/>		
Hearth/chimney	<input type="checkbox"/>	Planting feature	<input type="checkbox"/>	Mill raceway	<input type="checkbox"/>		
Postholes/molds	<input type="checkbox"/>	Road/walkway	<input type="checkbox"/>	Wheel pit	<input type="checkbox"/>		
Paling ditch/fence	<input type="checkbox"/>						

All quantities exact or estimated minimal counts

## Radiocarbon Data:

Sample 1:  +/-  years BP Reliability  Sample 2:  +/-  years BP Reliability  Sample 3:  +/-  years BP Reliability

Sample 4:  +/-  years BP Reliability  Sample 5:  +/-  years BP Reliability  Sample 6:  +/-  years BP Reliability

Sample 7:  +/-  years BP Reliability  Sample 8:  +/-  years BP Reliability  Sample 9:  +/-  years BP Reliability

Additional radiocarbon results available



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## External Samples/Data:

Collection curated at

Additional raw data may be available online

## Summary Description:

Site 18AP20 is a Middle-Late Woodland shell midden and artifact concentration on the US Naval Academy Campus in Annapolis, Anne Arundel County. The site is situated on a low terrace above the Severn River, somewhere near Academy housing units known as "Arundel Estates" and an associated playground. Soils at the site are Collington, Wist, and Westphalia sandy loams and loamy sands.

The site was first identified ca. 1972 by University of Maryland archeologist Melburn Thurman. Thurman excavated six test pits at the site of unknown size, only one of which reached cultural strata. A sketch attached to the site form (completed in 1974) appears to show two profiles of the site stratigraphy. One shows the fill overburden tapering above a midden deposit, and the other shows the midden having a layer of shell above a red lens (labeled "brick? chips"). Artifacts were recovered from the midden strata but not from the overburden. Artifacts recovered included untyped rhyolite stemmed projectile points, and a sherd of pottery that may be Late Woodland Potomac Creek ware.

According to the MHT site form from 1974, the site was situated beneath a golf course green. However, aerial imagery from the 1970s (and the decades that followed) does not reveal the presence of a golf course. Furthermore, the Arundel Estates housing units were constructed in 1950, and at that time the area was graded and leveled.

In October of 2012 an attempt was made to relocate Site 18AP20 during a combined Phase I/II investigation at 7 sites onboard NSA Annapolis. The investigation was conducted as part of compliance efforts for Section 110 of the National Historic Preservation Act, as amended. The investigation, undertaken to help inventory significant resources at the installation, aimed to relocate, characterize, and define the boundary of several known sites that had minimal previously recorded information.

Archeological testing at 18AP20 consisted of the excavation of 18 shovel test pits (STPs) across the site area. STPs were spaced at 15 m and 10 m intervals along transects situated within open areas north and west of the Arundel Estates housing units. Shovel tests were approximately 30 cm in diameter and were excavated into subsoil. All excavated soil was screened through hardware cloth to recover artifacts. All shovel tests were backfilled immediately upon completion. Obviously recent objects found in the shovel tests were noted and discarded, along with shell, coal, clinker, brick limestone, and other building materials. Other artifacts were bagged by provenience with a tag containing location information. Each shovel test was recorded on a standardized form that included soil descriptions and a schematic drawing of the stratigraphic profile. The location of each shovel test was plotted on field maps, and the coordinates recorded using a high-accuracy GPS device (Trimble GeoXT).

Ultimately, the 2012 investigation was unable to relocate Site 18AP20, and the site may have been destroyed. The precise location of the site is unclear on the MHT Site form from 1974, referencing a golf course green that can no longer be found. The site may have extended along the bluff west of the housing development and has subsequently eroded away. If the site was located more inland, then the site may have been destroyed by the construction of roads or other infrastructure. If the date of initial testing is incorrect (ca. 1972), and the site was tested prior to 1950 (prior to construction of the housing complex when a golf course may have been present), then the site may have been destroyed by the construction of Navy housing. In any event, no evidence of a site could be found in the areas examined.

## External Reference Codes (Library ID Numbers):

95002261, Site Files