



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18AN1095

Site Name: Dorchester Site 1

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

Middle & Late Archaic and Early Woodland base camp

## Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 7

SCS soil & sediment code

Latitude 39.1544

Longitude -76.7274

Physiographic province Western Shore Coastal

Terrestrial site

Underwater site

Elevation 40 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) Piney Run

#### Saltwater

Ocean

Estuary/tidal river

Tidewater/marsh

Spring

Minimum distance to water is 9 m

#### Freshwater

Stream/river

Swamp

Lake or pond

## 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

### 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 N

Flotation samples taken Y

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		
Clovis	<input type="checkbox"/>	
Hardaway-Dalton	<input type="checkbox"/>	
Palmer	<input type="checkbox"/>	
Kirk (notch)	<input type="checkbox"/>	
Kirk (stem)	<input type="checkbox"/>	
Le Croy	<input type="checkbox"/>	
Morrow Mntn	<input type="checkbox"/>	1
Guilford	<input type="checkbox"/>	
Brewerton	<input type="checkbox"/>	
Otter Creek	<input type="checkbox"/>	
Koens-Crispin	<input type="checkbox"/>	
Perkiomen	<input type="checkbox"/>	
Susquehana	<input type="checkbox"/>	
Vernon	<input type="checkbox"/>	
Piscataway	<input type="checkbox"/>	2
Calvert	<input type="checkbox"/>	
Selby Bay	<input type="checkbox"/>	
Jacks Rf (notch)	<input type="checkbox"/>	
Jacks Rf (pent)	<input type="checkbox"/>	
Madison/Potomac	<input type="checkbox"/>	
Levanna	<input type="checkbox"/>	

Prehistoric Sherd Types			
Marcey Creek	<input type="checkbox"/>	2	
Dames Qtr	<input type="checkbox"/>		
Selden Island	<input type="checkbox"/>		
Accokeek	<input type="checkbox"/>		
Wolfe Neck	<input type="checkbox"/>		
Vinette	<input type="checkbox"/>		
Popes Creek	<input type="checkbox"/>		
Coulbourn	<input type="checkbox"/>		
Watson	<input type="checkbox"/>		
Mockley	<input type="checkbox"/>		
Clemson Island	<input type="checkbox"/>		
Page	<input type="checkbox"/>		
Shepard	<input type="checkbox"/>		
Townsend	<input type="checkbox"/>		
Minguannan	<input type="checkbox"/>		
Sullivan Cove	<input type="checkbox"/>		
Shenks Ferry	<input type="checkbox"/>		
Moyaone	<input type="checkbox"/>		
Potomac Crk	<input type="checkbox"/>		
Keyser	<input type="checkbox"/>		
Yeocomico	<input type="checkbox"/>		
Monongahela	<input type="checkbox"/>		
Susquehannock	<input type="checkbox"/>		

Historic Sherd Types				
<b>Earthenware</b>	Ironstone	<input type="checkbox"/>	1	
Astbury	Jackfield	<input type="checkbox"/>		
Borderware	Mn Mottled	<input type="checkbox"/>		
Buckley	North Devon	<input type="checkbox"/>		
Creamware	Pearlware	<input type="checkbox"/>		
Staffordshire	<input type="checkbox"/>			
Tin Glazed	<input type="checkbox"/>			
Whiteware	<input type="checkbox"/>	5		
<b>Porcelain</b>	<input type="checkbox"/>			
<b>Stoneware</b>	English Brown	<input type="checkbox"/>		
Eng Dry-bodied	<input type="checkbox"/>			
Nottingham	<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		
Flaked stone	<input type="checkbox"/>	1969
Ground stone	<input type="checkbox"/>	
Stone bowls	<input type="checkbox"/>	
Fire-cracked rock	<input type="checkbox"/>	311
Other lithics (all)	<input type="checkbox"/>	1
Ceramics (all)	<input type="checkbox"/>	4
Rimsherds	<input type="checkbox"/>	
Other fired clay	<input type="checkbox"/>	
Human remain(s)	<input type="checkbox"/>	
Modified faunal	<input type="checkbox"/>	
Unmod faunal	<input type="checkbox"/>	
Oyster shell	<input type="checkbox"/>	
Floral material	<input type="checkbox"/>	
Uncommon Obj.	<input type="checkbox"/>	
Other	<input type="checkbox"/>	

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

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

Dated features present at site

Historic Artifacts		
Pottery (all)	<input type="checkbox"/>	37
Glass (all)	<input type="checkbox"/>	40
Architectural	<input type="checkbox"/>	49
Furniture	<input type="checkbox"/>	
Arms	<input type="checkbox"/>	
Clothing	<input type="checkbox"/>	
Personal items	<input type="checkbox"/>	
Tobacco related	<input type="checkbox"/>	
Activity item(s)	<input type="checkbox"/>	1
Human remain(s)	<input type="checkbox"/>	
Faunal material	<input type="checkbox"/>	
Misc. kitchen	<input type="checkbox"/>	11
Floral material	<input type="checkbox"/>	
Misc.	<input type="checkbox"/>	18
Other	<input type="checkbox"/>	

Historic Features	
Const feature	<input type="checkbox"/>
Foundation	<input type="checkbox"/>
Cellar hole/cellar	<input type="checkbox"/>
Hearth/chimney	<input type="checkbox"/>
Postholes/molds	<input type="checkbox"/>
Paling ditch/fence	<input type="checkbox"/>
Privy/outhouse	<input type="checkbox"/>
Well/cistern	<input type="checkbox"/>
Trash pit/dump	<input type="checkbox"/>
Sheet midden	<input type="checkbox"/>
Planting feature	<input type="checkbox"/>
Road/walkway	<input type="checkbox"/>
Depression/mound	<input type="checkbox"/>
Burial(s)	<input type="checkbox"/>
Railroad bed	<input type="checkbox"/>
Earthworks	<input type="checkbox"/>
Mill raceway	<input type="checkbox"/>
Wheel pit	<input type="checkbox"/>
Unknown	<input type="checkbox"/>
Other	<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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Middle & Late Archaic and Early Woodland base camp

Unknown

## External Samples/Data:

Collection curated at

Additional raw data may be available online

## Summary Description:

Dorchester Site 1 (18AN1095) is an apparent Middle/Late Archaic and Early Woodland base camp in the Arundel Mills area of Anne Arundel County, Maryland. The site is situated on the second terrace above the confluence of Piny Run Creek and an unnamed secondary tributary. A slight crest rises from the center of the terrace with the site occupying this crest. The terrace slopes gently to the north, east, and west, to the drainages, and slopes gently to the south for approximately 50 m before rising steeply to a broad ridgetop. Prehistoric forest cover is thought to have consisted primarily of oak, sweetgum, and yellow poplar. Soils at the site are Evesboro loamy sands and soils of the Loamy and Clayey Land series.

The site was first identified in 1998 during a Phase I survey for the (then) proposed Dorchester Subdivision Project, which is adjacent to the Arundel Mills development area. Site 18AN1095 was identified through shovel testing and listed as a 91.4 X 152.4 m (300 X 500 ft) multi-component site characterized by overlapping scatters of prehistoric lithic artifacts and small amounts of historic glass, ceramics, metal, and slag. A total of 227 artifacts were recovered, 204 of which were prehistoric. The prehistoric sub-assemblage consisted of 1 Piscataway point, 2 bifaces, 1 core, 188 pieces of debitage, and 12 pieces of fire-cracked rock. Lithic raw materials were quartz, rhyolite, and chert. The historic sub-assemblage consisted of 13 pieces of coal slag, and 9 pieces of late 19th-early 20th century glass (2 window, 4 container) and ceramics (3).

Based on the Phase I data, 18AN1095 was determined to be a large scatter of lithic material at the confluence of Piny Run Creek and an unnamed tributary. Prehistoric cultural materials were reported from strata below the plowzone in 5 shovel tests, indicating possible vertical integrity. Thus, Phase II testing was recommended and researchers returned to the site in 1999 to determine if the site did, in fact retain vertical integrity.

The 1999 Phase II evaluation of Site 18AN1095 was conducted in two stages. The first stage consisted of shovel test pit (STP) excavations at 10 m intervals across the site area. A total of 125 STPs were excavated. During the second stage, data from the STPs, including artifact counts and types, artifact distribution, and geomorphological information, were used in placing ten 1 X 1 m test units and one 1 X 2 m test unit.

All shovel tests and test units were hand excavated. STPs measured approximately 35 cm in diameter and were excavated to a minimum depth of 50 cm, or 10 cm into sterile subsoil. Test units were excavated in 10 cm arbitrary levels within natural stratigraphy, to a depth 10 cm below cultural levels. All soils were removed following natural strata and screened through hardware cloth. Excavations were documented on standardized forms.

The Phase II evaluation redefined the site as a 120 X 80 m multi-component site with occupations dating from the Middle Archaic through Middle Woodland, and the late 19th to early 20th century historic periods. Of the 125 STPs excavated during Phase II, 51 contained cultural material: 35 yielding prehistoric artifacts, 5 containing historic artifacts, and 11 containing both prehistoric and historic artifacts. Excavation of the test units, while it revealed the presence of a significant number of prehistoric artifacts, also revealed extensive evidence of disturbance. A plowzone extended across the site area. Plow scars were visible at the Ap/C horizon interface in many of the units. The Ap was not visible in units on the northern, lower terrace. Significant ground disturbance, in the form of deep ruts and an undulating ground surface, was noted in a few places across the site. In addition, a two-track was observed in the northern and eastern portions of the site.

A concentration of fire-cracked rock with an associated soil stain, identified as Feature 1-01, was encountered at the base of the plowzone in one of the test units. The portion of the feature within the test unit measured 41 X 58 cm and extended 10 cm below the base of the plowzone. A plowscar was observed running directly through the feature. A total of 175 artifacts were recovered from the feature soils including 96 pieces of fire-cracked rock, 50 pieces of debitage, 18 window glass fragments, 6 pieces of shell, 4 charcoal fragments, and an Archaic side-notched point. Feature 1-01 probably represents a truncated Archaic hearth. The window glass recovered was likely introduced when the plow impacted the hearth.

A total of 2,081 prehistoric artifacts were recovered during Phase II operations at 18AN1095. The assemblage consisted of 3 Halifax side-notched points, 1 Normanskill point, a Piscataway point, a possible Morrow Mountain point, 13 other bifaces, 6 cores, 1 utilized flake, 1,605 other flakes, 146 fragments of shatter, 1 manuport, 299 fragments of fire-cracked rock, 2 Marcey Creek sherds, and 2 other unidentified ceramic sherds. The lithic raw materials include quartz, rhyolite, quartzite, jasper, granite, and chert. A total of 98 historic artifacts were recovered including 1 activity item (a flower pot sherd), 47 architectural objects (2 ceramic tiles, 2 brick pieces, 34 window glass fragments, and 9 nails), 45 kitchen-related artifacts (1 ironstone sherd, 5 whiteware sherds, 1 redware sherd, 27 pieces of machine-made bottle glass, 5 oyster shell fragments, and 6 other shell fragments), and 5 miscellaneous items (4 pieces of burnt wood and an unidentified iron/steel object).

Site 18AN1095 represents multiple occupations of the same locale. The site witnessed prehistoric activity from the Middle Archaic through Early Woodland periods. Unfortunately, with only two exceptions, all of the diagnostic materials were recovered from the plowzone. Feature 1-01, a hearth, has been impacted by plowing. The side-notched point recovered near the cluster and a Normanskill point recovered from the same level in the subsoil may indicate a date for the use of the hearth. Most of the evidence for individual activity areas (artifact clusters) is confined to the plowzone. Tool usage on site appears to be mostly limited to formal tool use with minimal evidence for expedient flake tools. The debitage indicates that the site functioned primarily as a lithic reduction locale for local lithic resources with formal tool production as the primary goal (i.e. there are very few flake tools). The occupants of the site likely utilized it as a short-term camp.

Site 18AN1095 does not retain sufficient stratigraphic integrity to provide detailed data relevant to the function or structuring of the occupation. No further archeological investigations are recommended or warranted at this site.

## External Reference Codes (Library ID Numbers):

97000069