



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18AN1096

Site Name: Dorchester Site 2

Prehistoric

Other name(s)

Historic

Brief Description:

Middle - Late Archaic, Late Woodland base camp, late 19th - early 20th century artifact scatter

Unknown

Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 7

SCS soil & sediment code

Latitude 39.1468

Longitude -76.7229

Physiographic province Western Shore Coastal

Terrestrial site

Underwater site

Elevation 55 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) unnamed tributary

- | Saltwater | | Freshwater | |
|--|--|--|--------------------------------|
| Ocean <input type="checkbox"/> | Estuary/tidal river <input type="checkbox"/> | Stream/river <input checked="" type="checkbox"/> | Swamp <input type="checkbox"/> |
| Tidewater/marsh <input type="checkbox"/> | Lake or pond <input type="checkbox"/> | Spring <input type="checkbox"/> | |

Minimum distance to water is 30 m

Temporal & Ethnic Contextual Data:

Paleoindian site

Woodland site

Contact period site ca. 1820 - 1860

ca. 1630 - 1675 ca. 1860 - 1900

Archaic site

MD Adena

ca. 1675 - 1720 ca. 1900 - 1930

Early archaic

Early woodland

ca. 1720 - 1780 Post 1930

Middle archaic

Mid. woodland

ca. 1780 - 1820

Late archaic

Late woodland

Unknown historic context

Unknown prehistoric context

Unknown context

Ethnic Associations (historic only)

- | | |
|---|---|
| Native American <input type="checkbox"/> | Asian American <input type="checkbox"/> |
| African American <input type="checkbox"/> | Unknown <input type="checkbox"/> |
| Anglo-American <input type="checkbox"/> | Other <input type="checkbox"/> |
| Hispanic <input type="checkbox"/> | |

Y=Confirmed, P=Possible

Site Function Contextual Data:

Prehistoric

- | | |
|---|--|
| Multi-component <input checked="" type="checkbox"/> | Misc. ceremonial <input type="checkbox"/> |
| Village <input type="checkbox"/> | Rock art <input type="checkbox"/> |
| Hamlet <input type="checkbox"/> | Shell midden <input type="checkbox"/> |
| Base camp <input checked="" type="checkbox"/> | STU/lithic scatter <input checked="" type="checkbox"/> |
| Rockshelter/cave <input type="checkbox"/> | Quarry/extraction <input type="checkbox"/> |
| Earthen mound <input type="checkbox"/> | Fish weir <input type="checkbox"/> |
| Cairn <input type="checkbox"/> | Production area <input checked="" type="checkbox"/> |
| Burial area <input type="checkbox"/> | Unknown <input type="checkbox"/> |
| Other context <input type="checkbox"/> | |

Historic

Urban/Rural? Rural

Domestic

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

Industrial

- Mining-related
- Quarry-related
- Mill
- Black/metalsmith

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 N

Other samples taken

Historic context samples

Soil samples taken N

Flotation samples taken N

Other samples taken



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Diagnostic Artifact Data:

Projectile Point Types			
Clovis	<input type="checkbox"/>	Koens-Crispin	<input type="checkbox"/>
Hardaway-Dalton	<input type="checkbox"/>	Perkiomen	<input type="checkbox"/>
Palmer	<input type="checkbox"/>	Susquehana	<input type="checkbox"/>
Kirk (notch)	<input type="checkbox"/>	Vernon	<input type="checkbox"/>
Kirk (stem)	<input type="checkbox"/>	Piscataway	<input type="checkbox"/>
Le Croy	<input type="checkbox"/>	Calvert	<input type="checkbox"/>
Morrow Mntn	<input type="checkbox"/>	Selby Bay	<input type="checkbox"/>
Guilford	<input type="checkbox"/>	Jacks Rf (notch)	<input type="checkbox"/>
Brewerton	<input type="checkbox"/>	Jacks Rf (pent)	<input type="checkbox"/>
Otter Creek	<input type="checkbox"/>	Madison/Potomac	<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"/>	5	

Historic Sherd Types

Earthenware				Ironstone		Staffordshire		Stoneware	
Astbury	<input type="checkbox"/>	Jackfield	<input type="checkbox"/>	2		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"/>			7		Nottingham	<input type="checkbox"/>
Creamware	<input type="checkbox"/>	Pearlware	<input type="checkbox"/>			Porcelain	<input type="checkbox"/>	Rhenish	<input type="checkbox"/>
						2		Wt Salt-glazed	<input type="checkbox"/>

All quantities exact or estimated minimal counts

Other Artifact & Feature Types:

Prehistoric Artifacts			
Flaked stone	542	Other fired clay	<input type="checkbox"/>
Ground stone	<input type="checkbox"/>	Human remain(s)	<input type="checkbox"/>
Stone bowls	<input type="checkbox"/>	Modified faunal	<input type="checkbox"/>
Fire-cracked rock	132	Unmod faunal	<input type="checkbox"/>
Other lithics (all)	<input type="checkbox"/>	Oyster shell	<input checked="" type="checkbox"/>
Ceramics (all)	5	Floral material	<input type="checkbox"/>
Rimsherds	<input type="checkbox"/>	Uncommon Obj.	<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 type="checkbox"/>	Ossuary	<input type="checkbox"/>
Postholes/molds	<input type="checkbox"/>	Unknown	<input checked="" 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 checked="" type="checkbox"/>		

Lithic Material

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

Dated features present at site

Historic Artifacts			
Pottery (all)	18	Tobacco related	<input type="checkbox"/>
Glass (all)	119	Activity item(s)	1
Architectural	60	Human remain(s)	<input type="checkbox"/>
Furniture	<input type="checkbox"/>	Faunal material	<input checked="" type="checkbox"/>
Arms	<input type="checkbox"/>	Misc. kitchen	17
Clothing	1	Floral material	<input type="checkbox"/>
Personal items	1	Misc.	77
		Other	<input type="checkbox"/>

Historic Features

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

Dorchester Site 2 (18AN1096) is an apparent Middle/Late Archaic and Late Woodland base camp in the Arundel Mills area of Anne Arundel County, Maryland. A late 19th to early 20th century artifact scatter is also present. The site is situated on the second terrace above an unnamed, secondary tributary of Piny Run Creek. The topography slopes gently to the northwest. It drops abruptly, to a lower first terrace approximately 20 m from the creek. Prehistoric forest cover is thought to have consisted primarily of oak, sweetgum, and yellow poplar. Soils at the site include Evesboro loamy sand, Loamy and Clayey Land, Fallsington sandy loam, and Bibb silt loam soils.

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 18AN1096 was identified through shovel testing and listed as a 115.8 X 152.4 m (380 X 500 ft) multi-component site characterized by overlapping scatters of prehistoric lithic artifacts and historic glass, ceramics, metal, and slag. A total of 189 artifacts were recovered, 101 of which were prehistoric. The prehistoric sub-assembly consisted of 1 Halifax point, 88 pieces of debitage, and 12 pieces of fire-cracked rock. The historic sub-assembly consisted of 41 pieces of coal slag, 30 pieces of glass (9 window and 21 container), 4 oyster shell fragments, 3 brick fragments, 3 nail fragments, a 1967 penny, and 6 pieces of 19th-early 20th century pottery.

Based on the Phase I data, 18AN1096 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 18AN1096 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 157 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 twelve 1 X 1 m test units.

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 100 X 110 m multi-component site with occupations dating from the Middle-Late Archaic and Late Woodland, as well as the late 19th to early 20th century historic periods. Of the 157 STPs excavated during Phase II, 57 contained cultural material: 31 yielding prehistoric artifacts, 9 containing historic artifacts, and 17 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 on the lower terrace, beyond the site boundaries. Significant ground disturbance, in the form of deep ruts and an undulating ground surface, was noted at the boundary of the upper and lower terrace. This disturbance is similar to that seen on field edges, where wheels of turning farm machinery displace soil.

Aside from plowscars, no cultural features were identified. However, analysis of the Phase I and II STP data revealed two clusters of prehistoric activity. Cluster 1 was associated with the Middle and Late Archaic because of the presence of a Halifax point recovered during Phase I work. Several Late Woodland Potomac Creek ceramics were recovered in cluster 2. However, neither cluster can conclusively be attributed to a single occupation because plowing and probable overlap of the occupations prevent separation.

A total of 578 prehistoric artifacts were recovered during Phase II operations at 18AN1096. The assemblage consisted of 14 non-diagnostic bifaces, 2 cores, 4 utilized flakes, 304 other flakes, 129 pieces of shatter, 120 piece of fire-cracked rock, and 5 Potomac Creek sherds. The lithic raw materials include quartz, rhyolite, quartzite, and sandstone. A total of 170 historic artifacts were recovered during Phase II evaluation. The historic assemblage consisted of 1 activity item (a flower pot fragment), 45 architectural artifacts (4 pieces of brick, 27 window glass fragments, and 10 nails), 1 clothing item (a piece of fabric), 174 kitchen-related artifacts (2 porcelain sherds, 2 ironstone sherds, 7 whiteware sherds, 1 redware sherd, 1 table glass fragments, 61 bottle glass fragments, a clam shell, and 12 pieces of oyster shell), and 36 miscellaneous objects (20 pieces of metal, a fragment of slate, 14 coal/slag fragments, and a piece of plastic).

Site 18AN1096 represents at least two occupations and two artifact clusters. A careful analysis of the artifacts from the two clusters (see above) indicates that, besides the presence of ceramics of ceramics in the smaller cluster (Cluster 2) and rhyolite in the larger cluster (Cluster 1), there are no morphological or functional differences between them. Neither cluster can be conclusively attributed to a single occupation because plowing has severely disturbed the site. Overall, the evidence collected during Phase II evaluation of the site suggests that one or both of the prehistoric occupations utilized the site as a short-term camp. The presence of fire-cracked rock, flake tools, and finished bifaces suggests the activities at the site included food preparation, resource procurement and processing, and stone tool production and maintenance.

Site 18AN1096 does not retain sufficient stratigraphic integrity to provide detailed data relevant to the function or structuring of the occupation. No further archaeological investigations are recommended or warranted at this site.

External Reference Codes (Library ID Numbers):

00007680