



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18AN756

Site Name: Piney Orchard #4

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

Middle & Late Archaic and possibly Early & Middle Woodland short-term camps/possible base camps

Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 8

SCS soil & sediment code

Latitude 39.0615

Longitude -76.7058

Physiographic province Western Shore Coastal

Terrestrial site

Underwater site

Elevation 40 m

Site slope 0

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 Stream

- | 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
- Archaic site
- Early archaic
- Middle archaic
- Late archaic
- Woodland site
- MD Adena
- Early woodland
- Mid. woodland
- Late woodland
- Unknown prehistoric context

- Contact period site
- ca. 1820 - 1860
- ca. 1630 - 1675
- ca. 1675 - 1720
- ca. 1720 - 1780
- ca. 1780 - 1820
- Unknown historic context
- Unknown context
- ca. 1820 - 1860
- ca. 1860 - 1900
- ca. 1900 - 1930
- Post 1930

Ethnic Associations (historic only)

- Native American
- African American
- Anglo-American
- Hispanic
- Asian American
- Unknown
- Other

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
 - 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, 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"/>	
Guilford	<input type="checkbox"/>	
Brewerton	<input type="checkbox"/>	2
Otter Creek	<input type="checkbox"/>	
Koens-Crispin	<input type="checkbox"/>	
Perkiomen	<input type="checkbox"/>	
Susquehana	<input type="checkbox"/>	
Vernon	<input type="checkbox"/>	1
Piscataway	<input type="checkbox"/>	
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"/>	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"/>		

Historic Sherd Types

Earthenware	Ironstone	<input type="checkbox"/>	Staffordshire	<input type="checkbox"/>	Stoneware	English Brown	<input type="checkbox"/>
Astbury	<input type="checkbox"/>	Tin Glazed	<input type="checkbox"/>	Eng Dry-bodied	<input type="checkbox"/>		
Borderware	<input type="checkbox"/>	Whiteware	<input type="checkbox"/>	Nottingham	<input type="checkbox"/>		
Buckley	<input type="checkbox"/>	Porcelain	<input type="checkbox"/>	Rhenish	<input type="checkbox"/>		
Creamware	<input type="checkbox"/>	Pearlware	<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"/>	1154
Ground stone	<input type="checkbox"/>	
Stone bowls	<input type="checkbox"/>	
Fire-cracked rock	<input type="checkbox"/>	21
Other lithics (all)	<input type="checkbox"/>	2
Ceramics (all)	<input type="checkbox"/>	
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"/>	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 type="checkbox"/>
House pattern(s)	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>
Palisade(s)	<input type="checkbox"/>	fire-cracked rock scatter	<input type="checkbox"/>
Hearth(s)	<input checked="" type="checkbox"/>		
Lithic reduc area	<input 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 checked="" type="checkbox"/>		

Dated features present at site

Historic Artifacts		
Pottery (all)	<input type="checkbox"/>	
Glass (all)	<input type="checkbox"/>	
Architectural	<input type="checkbox"/>	
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"/>	
Human remain(s)	<input type="checkbox"/>	
Faunal material	<input type="checkbox"/>	
Misc. kitchen	<input type="checkbox"/>	
Floral material	<input type="checkbox"/>	
Misc.	<input type="checkbox"/>	
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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Description:

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Unknown

External Samples/Data:

Collection curated at

Additional raw data may be available online

Summary Description:

The Piney Orchard #4 Site (18AN756) is the remnants of a series of Middle, & Late Archaic and Early & Middle Woodland short-term camps or base camps near Odenton in northern Anne Arundel County. The site is situated on the high terrace and hillslope above an unnamed intermittent tributary of the Little Patuxent River. A low-lying wet area is situated along the western edge of the site. The surrounding area is gently to steeply sloping in topography throughout. In addition to the nearby Little Patuxent River providing easy transportation to the Chesapeake Bay, it also would have provided wetland flora and fauna, which were important resources for prehistoric occupation. Important resources such as fresh water, perch, herring, Atlantic salmon, sea trout, and migratory birds would have been provided by the river. The area is covered with a forest of pines, beech, and mixed hardwoods, with an understory of holly, greenbriar, and poison ivy. Soils at the site were Downer loamy sands and Phalanx sandy loams.

The site was first identified in 1990 during the course of a Phase I survey for a development project. The Piney Orchard development project would result in the construction of numerous multi-unit residential structures within a larger mixed-use development area in Odenton. County legislation requires review of most development projects by the county archeologist to determine their potential impact to archeological resources. In this case, the county archeologist determined that the Piney Orchard property had a high probability for containing archeological resources, thus, necessitating a Phase I survey.

Phase I fieldwork entailed the excavation of shovel test pits (STPs) in all areas of the proposed development project deemed by the county archeologist to have "high potential" for cultural resources. All STPs were placed on a grid, 20 meters apart. Where artifacts were located, supplemental STPs were placed at 10 meter intervals to evaluate the nature of deposits. STPs were 45-50 cm in diameter and were excavated to sterile subsoil (40-70 cm in depth). All excavated soil was screened through hardware cloth mesh and any artifacts found were retained. A profile was drawn of each STP, and all relevant data was recorded on standardized forms. Fifteen STPs were excavated within the boundaries of what was eventually identified as 18AN756, the Piney Orchard #4 Site, 5 of which produced artifacts. Artifacts recovered from 18AN756 included 1 utilized quartz flake, 18 quartz flakes, 2 quartzite flakes, 2 rhyolite flakes, 1 possible fire-cracked rock, and 2 pieces of sandstone. No temporally diagnostic pieces were recovered. Based on these findings, the site was recommended for Phase II testing.

Phase II testing was conducted in the spring and summer of 1991 and consisted of the excavation of 15 additional shovel tests, followed by the excavation of five 1 X 1 m test units. Simultaneous to the work conducted at 18AN756, Phase II work was proceeding at nearby Site 18AN754 (see synopsis report), where several intact hearth features were encountered. Based on these findings, the decision was made to proceed immediately to a Phase III-level of investigation at both sites. Ultimately a total of 19 STPs and nine 1 X 1 m test units were excavated during the combined Phase II/III investigations at 18AN756. Two of the formal test units were expanded slightly to further expose suspected features.

STPs were excavated every 10 meters on a site-wide grid. Each was approximately 50 cm in diameter. Some of the intersection points on the grid were in areas previously disturbed by dirt roads and paths which meandered around the terrace and in these areas no STPs were excavated. In addition, a few STPs were also dug in the four cardinal directions in the vicinity of Phase I STPs which contained cultural materials. Two STPs were placed in an area where a rhyolite point was found.

Soil from both shovel test and test unit excavation during Phase II work was removed according to natural strata and screened through hardware mesh. In the 1 X 1 m unit excavations, layers more than 10 cm in thickness were excavated in arbitrary 10 cm levels. Profiles were drawn and photographs were taken of the walls showing the clearest stratigraphy for each unit. Features were also drawn and photographed.

The shovel test pits contained a few quartz, quartzite, and rhyolite flakes. A straight-stemmed, quartz Holmes/Bare Island Late Archaic point was recovered from an STP at 35 cm below surface, and a quartz biface fragment was found in another. No notable artifact concentrations were encountered during the Phase II shovel testing. No plowzone or other manmade disturbances were evident at 18AN756, however pedological analysis indicated at least two major natural reworkings of the soil, the last of which may have occurred within the last 1,000 years.

One cultural feature was encountered during excavation of the formal test units. Feature 11 was a scatter of fire-cracked rock at an average depth of 16-26 cm below surface. No distinct concentration of fire-cracked rock was recognized and no charcoal flecking or fire-reddened soil was noted. Flakes were noted throughout the area with a concentration in the feature levels. Outside of the feature, but within the same unit and in the same stratigraphic levels, a rhyolite drill, a quartz Rossville point, a quartz Potts point, a rose quartz Brewerton-like point, and a quartzite fishtail variant were produced. The drill exhibited evidence of use-wear on the tip of its lateral edges. None of the other units revealed cultural features.

A detailed description of the artifact assemblage was not provided in the body of the Phase II/III report for 18AN756. However, some classes of artifacts are discussed. The assemblage included at least 7 identifiable projectile points, an unidentifiable rhyolite point, 1 drill, 5 biface fragments, and 1,117 other flaked lithics. A total of 931 of the artifacts can be characterized as quartz flakes, with 182 being decortication flakes, 132 being primary flakes, 562 secondary flakes, 18 tertiary flakes, and 37 unclassifiable. Quartzite accounts for 89 of the objects, with rhyolite being 30 objects, and chert being 9 objects. Identifiable projectile points included a rhyolite Vernon-like point, a quartzite Halifax-like point, two possible quartz Brewertons, a quartz Rossville, a quartz Potts, and a quartzite Fishtail variant. A considerable quantity of fire-cracked rock was also recovered, but quantities are not provided in the report. Fire-cracked rock has been estimated at a minimum of 20 pieces in the table above. Very few historic artifacts were recovered during the 1991 investigations at 18AN756 and are not included in the table above.

The results of the Phase I, II, and III investigations at 18AN756 indicate that the site likely served as a seasonally-occupied camp, used over a period of several thousand years. The projectile point data indicates that the predominant occupation may have occurred during the Late Archaic and Early Woodland transitional period, although there is evidence for less intensive earlier and later occupations.

Most of the intact portions of the site are believed to have been examined during the Phase II and III study. While other intact areas might have remained, it was determined that the considerable effort expended to perform additional data recovery in those areas would not result in appreciably different data than that obtained in 1991. Thus approval was granted for the development project to proceed and little (if any) of the site is likely to remain.

MARYLAND
HISTORICAL



TRUST

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Other name(s)

Historic

**Brief
Description:**

Middle & Late Archaic and possibly Early & Middle Woodland short-term camps/possible base camps

Unknown

External Reference Codes (Library ID Numbers):