



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18AN759

Site Name: Fox Chase

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

Late Woodland lithic scatter, late 19th-early 20th century artifact scatter

## Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 7

SCS soil & sediment code RyB,RfB

Latitude 39.1285

Longitude -76.6023

Physiographic province Western Shore Coastal

Terrestrial site

Underwater site

Elevation m

Site slope 0-5%

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

### Ownership

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

### Nearest Surface Water

Name (if any) Unnamed tributary of Marle

#### Saltwater

Ocean

Estuary/tidal river

Tidewater/marsh

Spring

Minimum distance to water is 107 m

#### Freshwater

Stream/river

Swamp

Lake or pond

## 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

Y

Unknown historic context

Unknown prehistoric context

Unknown context

### Ethnic Associations (historic only)

Native American

Asian American

African American

Unknown

Anglo-American

Other

Hispanic

Y

Y

Y=Confirmed, P=Possible

## Site Function Contextual Data:

### Prehistoric

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

### 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

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

N

Flotation samples taken N

Other samples taken

### Historic context samples

Soil samples taken N

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"/> 1
		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

<b>Earthenware</b>		Ironstone	<input type="checkbox"/>	Staffordshire	<input type="checkbox"/>	<b>Stoneware</b>	
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			
Flaked stone	<input type="checkbox"/> 699	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	<input type="checkbox"/>	Unmod faunal	<input type="checkbox"/>
Other lithics (all)	<input type="checkbox"/> 4	Oyster shell	<input checked="" type="checkbox"/>
Ceramics (all)	<input type="checkbox"/>	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 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 checked="" type="checkbox"/>	Fer quartzite	<input type="checkbox"/>	Sil sandstone	<input type="checkbox"/>
Chert	<input 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 checked="" 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)	<input type="checkbox"/>	Tobacco related	<input type="checkbox"/>
Glass (all)	<input type="checkbox"/>	Activity item(s)	<input type="checkbox"/>
Architectural	<input type="checkbox"/>	Human remain(s)	<input type="checkbox"/>
Furniture	<input type="checkbox"/>	Faunal material	<input checked="" type="checkbox"/>
Arms	<input type="checkbox"/>	Misc. kitchen	<input type="checkbox"/>
Clothing	<input type="checkbox"/>	Floral material	<input type="checkbox"/>
Personal items	<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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## External Samples/Data:

Collection curated at Anne Arundel County Planning & Zoning

Additional raw data may be available online

## Summary Description:

The Fox Chase site (18AN759) is a Late Woodland lithic scatter in Glen Burnie, Anne Arundel County, Maryland. In addition to the prehistoric artifacts, a light scatter of late 19th – early 20th century artifacts was also noted in the field. The site is situated on a forested terrace with steep slopes that lead down to the floodplains of Marley Creek. The area is surrounded by residential housing development and modern utility right-of-ways. Soils at the site are of the Evesboro-Rumford-Sassafras soil association.

The site was first encountered in 1989 during the course of a Phase I survey program for the Fox Chase residential development property. The work was required as a stipulation of Title 3, Section 109 of the Anne Arundel County Subdivision Regulations. Archeological assessments are required on development projects in areas judged by the County Archeologist to have high probability of prehistoric and historic materials within their boundaries. This Phase I work eventually proceeded to a Phase II testing program upon the discovery of 18AN759.

The primary method of survey used during the Phase I study consisted of the excavation of shovel test pits (STPs) spaced approximately 20 m apart within the project area. Each STP was 50 cm in diameter and generally extended to a depth of about one meter. Soil from each STP was removed stratigraphically and screened through hardware cloth to isolate artifacts. Soils data for each STP was recorded on standardized forms. A total of 176 STPs were excavated during the Phase I work, 122 of which fell in the general vicinity of 18AN759. Of the 122 STPs excavated in the area of the site, 35 yielded prehistoric artifacts and 11 of these were concentrated in the area that would eventually be defined as 18AN759 during Phase II work. Artifacts recovered from these 11 STPs included 48 quartz flakes, 23 quartzite flakes, 2 quartz shatter fragment, and 2 quartzite shatter fragments.

Because of the dense concentration of prehistoric artifacts in one of the STPs, a single 1 X 1 m test unit was excavated to a depth of 1 m atop the STP to better examine stratigraphy and obtain a larger artifact sample. The 1 X 1 m unit was excavated stratigraphically and the soils were screened through hardware cloth. Strata thicker than 10 cm were excavated in arbitrary 10 cm levels. The unit was photographed and a profile drawing was rendered. Again, all data was recorded on standardized forms. This unit exposed 38 quartz flakes, 2 quartzite flakes, and 2 pieces of quartz shatter. These preliminary results indicated the need to escalate the level of investigation to a Phase II project.

During the Phase II portion of the study, an additional 17 STPs were excavated at close intervals and eleven 1 X 1 m units were excavated in areas of highest artifact density as revealed through the Phase I shovel testing process. These units and STPs were excavated and documented in the same manner as the Phase I STPs and one meter test unit described above. Artifact totals from the 1 X 1 units varied from as few as 1 artifact recovered, to as many as 163 artifacts from a single unit. The majority of artifacts recovered, came from excavation layers 3 and 4 at a depth between roughly 30 cm and 90 cm below the surface. Some materials were also found in the upper two layers as well. No prehistoric features were encountered and all of the materials encountered were lithics (no ceramics were recovered).

In all the combined Phase I and II artifact assemblage from 18AN759 included 1 Late Woodland Madison point, 2 bifaces or biface fragments, a flaked greenstone celt (also typical of the Late Woodland), 1 core, 670 flakes or flake fragments, 23 shatter fragments, a probable worked jasper pebble, 2 hammerstones, a nutting stone, and an anvil stone. Quartz materials predominate (589 pieces), followed by quartzite (99), rhyolite (5), greenstone (1), jasper (1), argillite (1), sandstone (1). Historic period artifacts were randomly distributed throughout the project area, and were mainly products of the 19th and 20th centuries. It is possible that this material was deposited as a result of field dumping.

Lithic analysis revealed that the site functioned primarily as a short-term camp/workshop, and that its Late Woodland occupants preferred local quartz and quartzite for tool-making as opposed to exotic raw materials. Quartz pebbles and outcrop quartzite were evidently collected nearby, and primary reduction sequences were performed on-site. This is verified by the relatively large number of cortical flakes retrieved during excavation. A quartzite quarry is known to exist about two kilometers east of the project area. That bifacial thinning was also an important activity performed at 18AN759 is demonstrated by a significant number of thinning and secondary reduction flakes. The small number of retouch or finishing flakes indicates either that the terminal stages of biface reduction were not carried out on-site, or that the majority of these flakes passed through the hardware mesh used in artifact retrieval.

Because only 2 diagnostic prehistoric artifacts (a broken quartz Madison point and a greenstone celt) were found and no intact strata, features, or foundations were encountered, it was concluded that further investigations of the area would not be justifiable. Approvals were granted for the housing development to proceed, and much of Site 18AN759 would have been destroyed during the course of construction. The site likely no longer retains any research potential.

## External Reference Codes (Library ID Numbers):

00000626