



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18CH282

Site Name: IH-36

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

Late Woodland artifact scatter

Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 11

SCS soil & sediment code Ms

Latitude 38.5755

Longitude -77.1866

Physiographic province Western Shore Coastal

Terrestrial site

Underwater site

Elevation 10 m

Site slope 0-5%

Ethnobotany profile available Maritime site

Nearest Surface Water

Name (if any) Mattawoman Creek

Saltwater

Ocean

Estuary/tidal river

Tidewater/marsh

Freshwater

Stream/river

Swamp

Lake or pond

Spring

Minimum distance to water is 30 m

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

Temporal & Ethnic Contextual Data:

Paleoindian site

Woodland site

Archaic site

MD Adena

Early archaic

Early woodland

Middle archaic

Mid. woodland

Late archaic

Late woodland

Y

Unknown prehistoric context

Contact period site

ca. 1820 - 1860

ca. 1630 - 1675

ca. 1860 - 1900

ca. 1675 - 1720

ca. 1900 - 1930

ca. 1720 - 1780

Post 1930

ca. 1780 - 1820

Unknown historic 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

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

artifact scatter

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

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		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"/> 3
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"/> 54		

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"/>	Porcelain	<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"/> 45	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"/> 65	Oyster shell	<input type="checkbox"/>
Other lithics (all)	<input type="checkbox"/>	Floral material	<input type="checkbox"/>
Ceramics (all)	<input type="checkbox"/> 62	Uncommon Obj.	<input type="checkbox"/> 1
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 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"/>	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 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		Tobacco related	
Pottery (all)	<input type="checkbox"/>	Activity item(s)	<input type="checkbox"/> 2
Glass (all)	<input type="checkbox"/> 1	Human remain(s)	<input type="checkbox"/>
Architectural	<input type="checkbox"/> 86	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"/> 7
Personal items	<input type="checkbox"/> 1	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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Brief

Description:

Late Woodland artifact scatter

Unknown

External Samples/Data:

Collection curated at MAC

Additional raw data may be available online

Summary Description:

The IH-36 Site (18CH282) is an apparent Late Woodland/Early Historic period site with limited evidence of contact between Native Americans and European colonists. It is located near Indian Head on the Naval Surface Warfare Center in Charles County, Maryland. It is situated on a limited portion of a relatively level terrace adjacent to the northern shore of Mattawoman Creek. Much of the surrounding landscape has been altered by construction activities in the last century and at present, the area containing and surrounding 18CH282 is utilized by the Navy as a nitration plant for the production of nitroglycerin and jet fuel. The soil at the site is Matawan Loamy Sand, part of the Evesboro-Keysport-Elkton Association.

The site was first identified in 1985 during a preliminary Phase I archeological survey conducted throughout the Naval Ordnance Station (now the Naval Surface Warfare Center). This survey was conducted in order to satisfy the requirements of the National Historic Preservation Act of 1966, and involved inventorying all known archeological sites on the federally-owned/managed property and conducting Phase I survey to identify unknown sites, and to make management recommendations concerning said sites. Much of the 1985 effort centered around the examination of the nearby Posey Site (or 18CH281) which had previously been identified through amateur work as a probable Contact Period Indian village. Site 18CH282 is located approximately 150 meters west of the Posey Site across a local access road. Although extensive subsurface testing was conducted at other sites as a part of the 1985 project (see the synopsis report for 18CH281), no subsurface testing was conducted in the vicinity of 18CH282. Site boundaries were defined on the basis of a low density scatter of surface artifacts. Researchers at the time determined that 18CH282 was independent of the Posey Site because of a drainage swale separating the two sites, but due to their proximity, it was thought that 18CH282 might represent a limited use activity area or other associated component. A total of 6 artifacts were surface collected from the site in 1985. These artifacts consisted of 3 Potomac Creek plain body sherds, a quartz core, a quartzite primary flake, and an asbestos tile fragment (associated with modern structures nearby).

The results of the 1985 study deemed the Posey Site (18CH281) likely to provide information relevant to our understanding of the process of Native American acculturation. The tremendous research potential of the site attracted the interest of the Research Department at the Jefferson Patterson Park and Museum (a branch of MHT) and they applied for and successfully received a Department of Defense Legacy Resources grant to conduct Phase II/III level research at that site in 1996. In addition to the work to be performed at 18CH281, the grant provided funds to examine 18CH282 which was considered likely to be related to Posey. The presence of the Potomac Creek sherds suggested a late prehistoric (and possibly Contact era) origin for the site; possibly contemporaneous with 18CH281. As a part of the 1996 investigations, extensive archival research was conducted to better understand the historical context of both sites. An overview of the archival findings is available in the synopsis report for 18CH281.

The fieldwork in 1996 began with the establishment of a unified grid system overlaid across the entire project area (both 18CH281 and 18CH282) to ensure standardization of results for possible comparative analysis. Shovel test pits, were placed from the datum at 8 meter intervals throughout the survey area. A total of 510 shovel test pits (STPs) were excavated, yielding a total tested area of 400,012 square meters (9.89 acres). Each shovel test pit measured approximately 40 cm in diameter, and was excavated with a round shovel into culturally sterile subsoils or one meter in depth. Selected pits were deepened with a split spoon probe and/or bucket auger to further assess stratigraphy and to search for buried A soil horizons beyond the reach of hand excavation. All soils removed from STPs were screened through hardware cloth. Eighty-seven STPs were excavated in the area surrounding 18CH282 and within the site boundaries. Of the 87 shovel test pits excavated, a total of 45 contained cultural material. Twenty-two of these 45 pits contained only modern building material, slag, or plastic fragments. No detailed description of the non-modern artifacts recovered during the STP portion of the 1996 project is provided in the full site report. However, Potomac Creek, Camden, and Yeocomico wares were reportedly encountered (these quantities are minimally estimated with 2 sherds assigned to each type in the table tallies above).

The boundary between 18CH282 and the Posey Site was found to be primarily a result of construction-related disturbance and/or grading of the area. Variation in artifact density indicates a possible functional difference, but typologically and temporally similar ceramic and lithic artifacts were located in both areas. Rather than being a specialized "activity area", 18CH282 appears to simply be part of the "peripheral area" surrounding the "core" of the Posey site. An extensive low-density scatter of ceramic and lithic artifacts extends to the south and southwest of the central portion of 18CH281 and 18CH282 appears to simply be part of this phenomenon. This peripheral area appears to be heavily to moderately disturbed in many areas.

A total of thirty-seven 1.5 X 1.5 meter units was then excavated throughout the 1996 project area. One of these units was placed within the boundaries of 18CH282 as defined from the original 1985 study. The profile of the unit consisted of a truncated plowzone over undisturbed soils. The plowzone stratum (unlike much of the surrounding periphery area) appeared as if it had not been redeposited or extensively disturbed by the construction that has occurred nearby. No obvious features were encountered in this unit, but a concentration of fire-cracked rock was present. No hearth or other burning-related feature could be linked to this concentration. Artifacts encountered within this test unit included 50 ceramic body sherds (48 Potomac Creek plain, 1 cord-impressed Potomac Creek, 1 Yeocomico), 1 chert primary flake, 7 quartz primary flakes, 17 quartz secondary flakes, 6 quartz secondary flakes, 12 pieces of quartz shatter, 65 fire-cracked rock fragments, a colorless 20th century glass chip, 84 asbestos tile fragments, 4 plastic fragments, 2 unidentified iron fragments, 1 piece of lead solder, 1 unidentified iron wire fragments, and a wire nail. A 25 X 25 cm column sample was taken from the northeast corner of the unit and water screened through 1/32" mesh screen. Though processing of the column sample had not been completed by the time the final report on the 1996 research was written, a small glass trade bead was recovered. This bead was a black flattened oval, with a diameter of 2.3 mm, a thickness of 1.2 mm, and a hole diameter of 1.2 mm. This corresponds to one of the more popular bead types on 17th and 18th century Susquehannock sites, and probably speaks to the site's contemporaneity with the Posey Site.

Site 18CH282 appears to be a peripheral site related to the late 17th century Posey Site (18CH281). In fact, it is quite likely that the division into two separate sites is entirely arbitrary and does not correspond to a division which had any meaning during the late 17th century. Much of the area peripheral to 18CH281 is heavily disturbed, however, this does not appear to be the case in the vicinity of 18CH282. Though no intact features were encountered at the site, temporally diagnostic artifacts were recovered in soils that appeared to be relatively undisturbed. The site may have research potential for studying the spatial layout of small, late 17th century Native American settlements. It also contains a limited number of materials bearing on the process of cultural change that Native Americans in Maryland underwent in the years between approximately 1650 and 1700. Future research at 18CH282 is warranted should additional work ever be proposed for the core area of 18CH281.

External Reference Codes (Library ID Numbers):

MARYLAND
HISTORICAL



TRUST

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Prehistoric

Other name(s)

Historic

**Brief
Description:**

Late Woodland artifact scatter

Unknown

00005757, 00007624