



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18CH735

Site Name: P-SCO-36

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

Late Archaic lithic scatter

## Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 11

SCS soil & sediment code B1B2

Latitude 38.6265 Longitude -77.0024

Physiographic province Western Shore Coastal

Terrestrial site

Underwater site

Elevation m Site slope 5-10%

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 of Matta

#### Saltwater

Ocean

Estuary/tidal river

Tidewater/marsh

#### Freshwater

Stream/river

Swamp

Lake or pond

Spring

Minimum distance to water is 166 m

## Temporal & Ethnic Contextual Data:

Paleoindian site

Woodland site

Archaic site

MD Adena

Early archaic

Early woodland

Middle archaic

Mid. woodland

Late archaic

Late woodland

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

### 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

Post-in-ground

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		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"/>
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		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"/>	<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		Other fired clay	
Flaked stone	<input type="checkbox"/> 170	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"/> 8	Oyster shell	<input type="checkbox"/>
Other lithics (all)	<input type="checkbox"/>	Floral material	<input type="checkbox"/>
Ceramics (all)	<input type="checkbox"/>	Uncommon Obj.	<input type="checkbox"/>
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 checked="" 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"/>
Glass (all)	<input type="checkbox"/>	Human remain(s)	<input type="checkbox"/>
Architectural	<input type="checkbox"/>	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"/>
Personal items	<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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Site Number: 18CH735

Site Name: P-SCO-36

Prehistoric

Other name(s)

Historic

Brief

Late Archaic lithic scatter

Unknown

Description:

## External Samples/Data:

Collection curated at

Additional raw data may be available online

## Summary Description:

Site 18CH735 (P-SCO-36) is a Late Archaic lithic scatter located in northern Charles County, Maryland. The site is situated on the north face of a high terrace east of Mattawoman Creek. The site is bordered by a steep slope directly to the east and dirt access roads surround it on other sides. The site area is lightly wooded with low underbrush and soils are Beltsville silt loams.

The site was first identified during Phase I survey in 2004 as part of a liquefied natural gas (LNG) pipeline project in Calvert, Charles, and Prince George's Counties. The proposed construction work involved the installation of a 36-inch pipeline over 48 miles of right-of-way, as well as construction of ancillary facilities (e.g. pipeyards and access roads). As such, Phase I and, in some cases, Phase II work was conducted throughout the pipeline right-of-way and in other areas that might be impacted by the construction. In the vicinity of Site 18CH734, this work entailed the excavation of shovel tests at 22 meter intervals along three transects spaced 15 meters apart within the pipeline right-of-way (ROW). STPs measured approximately 50 cm in diameter, and were excavated in natural soil horizons 15 cm into sterile subsoil. Excavated soils were screened through hardware mesh.

Four positive shovel tests yielded 137 prehistoric lithic artifacts and defined a lithic scatter measuring 25 meters north/south and 40 meters east/west. The site's northern margin may have been truncated by a residential driveway. Of particular note was the extreme variation in Phase I artifact density at 18CH735. Of the 137 prehistoric artifacts recovered, 132 specimens (96%) were encountered within a single STP, located at the northeastern margin of the site adjacent to the steep slope. Based on Phase I shovel testing, stratigraphy within 18CH735 appeared to be relatively undisturbed, consisting of an A-B1-B2 soil horizon sequence. Artifacts were recovered from the A and B horizons. The assemblage included 1 quartz biface, 1 quartz decortication flake, 132 quartzite flakes, and 3 unknown lithic artifacts (lost in the field). The biface was an early stage biface. The two quartz artifacts were recovered from the western portion of the site, while all of the quartzite debitage derived from the east edge of the site. Since the site could not be avoided during pipeline construction, Phase II testing was recommended.

Phase II work was conducted in April of 2005 and included additional shovel testing as well as the excavation of 1 X 1 m test units. A grid was established using a total station and the centerline of the ROW as an arbitrary east-west axis. Phase II fieldwork included the excavation of 8 transects of shovel tests at 5 meter intervals to clarify site boundaries and internal artifact distributions. The same excavation methods were employed as were used at the Phase I stage. Of the 51 Phase II shovel tests excavated, five STPs were positive, producing just 6 prehistoric lithic artifacts. This work delineated expanded site boundaries of 35 meters north/south and 55 meters east/west.

Subsequent to shovel testing, Phase II researchers excavated three 1 X 1 meter test units to further sample areas of higher artifact density. Test units were hand-excavated by arbitrary 10 cm levels within natural strata to a minimum depth of 10 cm into the B horizon and 10 cm below the last recovered artifact. Two test units were placed in the northeast corner of the site, one meter to the north and south, respectively, of the Phase I STP that produced the 132 artifacts. Another unit was placed in the western portion of the site. Test unit excavations yielded only 35 prehistoric artifacts, for a total Phase II assemblage of 41 artifacts. No cultural features were identified during Phase II testing.

Based on the Phase II work, the typical stratigraphic profile at the site consisted of an A-BE-Bt1-Bt2 soil horizon sequence. Some degree of erosion seems to have occurred at the site, based on the shallowness of the A horizon. Prehistoric artifacts were found primarily in the Bt1 subsoil horizon. The artifacts encountered during Phase II work consisted of 1 Late Archaic Brewerton side-notched point, 3 bifaces, 1 retouched flake, 27 pieces of flake debitage, 8 fragments of fire-cracked rock, and 1 unknown lithic (also lost in the field). Artifacts were manufactured overwhelmingly (82.8%) from quartzite, with most remaining artifacts, including all tools, made from quartz (16.7%). One specimen was made from dark gray chert. Quartz, quartzite, and chert are most likely of local or semi-local (within 50 miles) origin. Approximately 14% of the chipped stone artifacts exhibit cobble cortex, while the remainder lack cortex. No examples of block cortex were identified, indicating a reliance on collection of lithic raw materials from secondary stream deposits, rather than from primary bedrock sources. In terms of artifact density, the spatial patterning predicted by Phase I shovel testing was not encountered during Phase II work. All Phase II STPs and test units produced relatively low artifact densities. Likewise, the discrete spatial patterning of quartz and quartzite artifacts that was suggested by Phase I shovel testing was not supported by the subsequent work.

Site 18CH735 represents the remains of two or more prehistoric occupations during the Late Archaic, and perhaps other prehistoric periods. One period is thought to represent a special episode of intense quartzite reduction represented by the peak of flakes in the single Phase I STP to the northeast, while the other is represented by the broader low-density lithic scatter throughout the rest of the site. The site possesses good to moderate integrity. Based on the overall assemblage, site activities were focused on lithic reduction of quartz and quartzite for biface manufacture along with limited use of expedient tools for scraping of materials such as wood or hides. The single Late Archaic Brewerton point represents a quartz tool that was likely broken during use and discarded at the site. Artifact analysis indicates that prehistoric occupants conducted early through late-stage lithic reduction of quartzite at the site.

Although 18CH735 has good-to-moderate integrity, its overall low artifact density, the simple character of the artifact assemblage, the undated nature of the spatially-restricted peak density zone (the STP to the northeast), and the lack of identified cultural features indicate that it has little potential to yield significant information on local and regional prehistory.

## External Reference Codes (Library ID Numbers):

97002596