



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18HO221

Site Name: Stonebrook

Prehistoric

Other name(s)

Historic

Brief Description:

Middle to Late Archaic lithic procurement site, lithic quarry/reduction area, and possible base camp

Unknown

## Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 13

SCS soil & sediment code

Latitude 39.1701

Longitude -76.8632

Physiographic province Eastern Piedmont

Terrestrial site

Underwater site

Elevation 85 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) Little Patuxent River

#### Saltwater

Ocean

Estuary/tidal river

Tidewater/marsh

Spring

#### Freshwater

Stream/river

Swamp

Lake or pond

Spring

Minimum distance to water is 60 m

## Temporal & Ethnic Contextual Data:

Paleoindian site

Woodland site

Contact period site

ca. 1820 - 1860

Archaic site

MD Adena

ca. 1630 - 1675

ca. 1860 - 1900

Early archaic

Early woodland

ca. 1675 - 1720

ca. 1900 - 1930

Middle archaic

Mid. woodland

ca. 1720 - 1780

Post 1930

Late archaic

Late woodland

ca. 1780 - 1820

Unknown historic context

Unknown prehistoric 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

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"/>	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"/>		

### 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	1283	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)	1	Oyster shell	<input type="checkbox"/>
Ceramics (all)	<input type="checkbox"/>	Floral material	<input checked="" 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 checked="" type="checkbox"/>		
Lithic reduc area	<input checked="" 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 type="checkbox"/>	Unknown	<input type="checkbox"/>
Quartzite	<input type="checkbox"/>	Steatite	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>
		Sandstone	<input type="checkbox"/>	mica	<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 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

Additional raw data may be available online

## Summary Description:

The Stonebrook site (18HO221) is a Middle to Late Archaic lithic quarry and reduction camp in the southern part of the Columbia community, Howard County. The site is situated on a low terrace and first terrace which overlook the broad floodplain of the Little Patuxent River. The size of the site is estimated to be 255 m north-south and 73 m east-west. The landscape surrounding the site has been substantially developed, but with pockets of remnant woodland here and there. Soils at the site are Codorus silt loams and Glenelg series loams.

The site was first identified in 1997 when a Phase I survey was carried within the (then) proposed right-of-way for the Howard County Pathways System Phase 3 or Spinal Pathway. Creation of the Spinal Pathway involved building a 4.3 mile path between Lake Elkhorn in Columbia and Savage. Testing was required by the Maryland State Highway Administration (SHA) and the Maryland Historical Trust (MHT) before construction of the Spinal Pathway, since a grant from the federal Intermodal Surface Transportation Enhancement Act (ISTEA) would be used in the development of the pathway system. Because of federal funding, the Spinal Pathway project was subject to Section 106 of the National Historic Preservation Act of 1966.

Phase I work entailed the excavation of shovel test pits (STPs) throughout the right-of-way for the new trail/path. At 18HO221, 19 STPs were excavated at 20 m intervals. These resulted in the recovery of 413 artifacts, the majority of which were pieces of lithic debitage. These artifacts were distributed in four discrete clusters or activity areas across the site. The cluster located on the lower terrace, adjacent to the floodplain, appears to have been a quarry area where raw materials were obtained and worked into blanks. Another cluster, adjacent to an intermittent stream bed, was also a quarry area. A third cluster, 40 m to the south of the stream bed, also appears to have been a lithic reduction area. The fourth cluster, on the south edge of the terrace top and slope, was possibly a small base camp with four areas of activity within it. These smaller areas included a possible hearth at the top of the terrace, a lithic workshop 20 m from the "hearth" where tools were worked into their finished form, an initial lithic reduction area on the slope, and, at the base of the slope, another reduction area with a possible butchering or hide working area. The sole diagnostic artifact recovered was a rhyolite contracting-stemmed point, suggesting a Middle-Late Archaic occupation. Based on these findings, the site was considered to likely retain its integrity and was recommended for Phase II testing prior to construction of the trail.

The Phase I assemblage from 18HO221 consisted of the quartz contracting stem projectile point, 3 other point fragments, 2 bifaces or biface fragments, 2 unifaces, 13 cores, 332 flakes, and 60 pieces of shatter.

Phase II work for the Spinal Pathways project was carried out in December of 1997 and January of 1998. At 18HO221 this entailed the excavation of nine 1 X 1 m test units. Three were placed in the cluster area on the lower terrace and six test units were placed in the possible base camp locale on the south edge of the terrace top and slope. The other 2 areas identified during Phase I were not examined since they fell outside the right-of-way for the planned trail. All units were excavated by natural layers. Strata which were thicker than 10 cm were further subdivided into arbitrary 10 cm thick levels. All strata were screened through hardware cloth and artifacts recovered were bagged by unit and by unique stratum and arbitrary level within the stratum. Excavation was accomplished using flat shovels and trowels. The final level of all 9 test units was excavated only in a quarter section of each unit. Seven of the 9 units were excavated to a base of sandstone, which was assumed to be bedrock. Bedrock was never reached in the other 2 units.

At least one wall of each unit was profiled. Generally, the wall selected for profile clearly showed the slope of the terrain. In a few instances, a wall was selected for profile because it best illustrated the interface of the bedrock and soil layers, or some other feature. Black and white prints and color slides were taken of each profile.

Soil deposits at 18HO221 were found to be relatively shallow. No features were identified, nor were any diagnostic artifacts recovered during Phase II work. Artifacts recovered included 8 bifaces/biface fragments, a drill fragment, 2 scrapers, 5 retouched flakes, 24 cores, 639 flakes (121 decortication, 228 primary, 164 secondary, and 126 tertiary), 191 pieces of shatter, and a hammerstone. Quartz accounted for the vast majority (99%) of the raw material utilized at the site.

The evidence recovered during Phase I and II work at the Stonebrook site (18HO221) suggests that it represents a large base camp and procurement site. It was probably occupied from the latter part of the Middle Archaic period into the Late Archaic Period. The presence of four discrete clusters of artifacts on the site implies that it was occupied by several groups. These occupations probably occurred over a long period of time and do not represent a single (or several) occupation(s) by a macroband. Activities at this site probably focused on the procurement of lithic materials on the lower terrace (where some initial shaping of blanks also took place) and the maintenance and shaping of tools in the more upland loci at the site. Other activities at the site may have included the processing of plant and animal resources. However, as neither floral nor faunal remains were recovered during the 1997-1998 investigations, this is pure conjecture.

The Phase II investigations at 18HO221 focused on those areas of the site within the right-of-way for the Spinal Pathway. Though no intact features were encountered, specific activity areas could be documented based on their horizontal segregation. Thus, the site retains some degree of integrity. Areas of the site that were not examined during Phase II work could include living areas, or additional lithic workshop locales. No additional work was required within the trail right-of-way, but the site may still retain significant potential in other areas that remain largely unexamined.

## External Reference Codes (Library ID Numbers):

97000279, Site Files