



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18ST548

Site Name: Broom Creek II

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

prehistoric short-term camp

## Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 10

SCS soil & sediment code ChC2,CrD2

Latitude 38.1836

Longitude -76.4071

Physiographic province Western Shore Coastal

Terrestrial site

Underwater site

Elevation m Site slope 5-15%

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 Broo

- | 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. 1860 - 1900
- ca. 1900 - 1930
- Post 1930
- ca. 1630 - 1675
- ca. 1675 - 1720
- ca. 1720 - 1780
- ca. 1780 - 1820
- Unknown historic context
- Unknown context

### 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		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	197	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"/>	Oyster shell	<input type="checkbox"/>
Other lithics (all)	5	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 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 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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## External Samples/Data:

Collection curated at Historic St. Mary's City

Additional raw data may be available online

## Summary Description:

The Broom Creek II Site (18ST548) is a prehistoric lithic production site. The site is located just east of St. Mary's City, in an area that forms part of Historic St. Mary's City, a public museum established by the State of Maryland to research and interpret the history of the site. It is situated along a narrow strip of upland, bordered on the west by a low terrace of the St. Mary's River and on the east by the valley of Broom Creek. 18ST548 sits on the highest point of the hill above Broom Creek. Based on documentary research, it appears that the land was either a woodlot or in agricultural use and never developed. The soils in the area were mapped as Chillum loam. The stratigraphy at the site was fairly uniform with a shallow dark brown (10 YR 4/3) silt loam A-horizon. Beneath that was a brownish yellow (10YR 6/6) silty clay loam B-horizon. The site measured approximately 60.96 m wide by 91.44 m long (200'X300').

In 1986, archeological work was conducted ahead of a proposed new Hotel and Conference Center on the site. The goals of the survey were to locate and evaluate any cultural resources in the project area and to provide a set of resource management options that would minimize impacts to significant resources. The project area was separated into discrete survey areas based on physical, topographic, and cultural factors. The first division was based on historical ownership of the land. Within the larger division, smaller areas were designated with letters. Site 18ST548 was located in Area 1A. It was separated from Areas 1B and 1C by a barbed wire fence that was used as a baseline.

Field methods employed in Area 1A during the Phase I survey consisted of the excavation of shovel test pits (STPs) at 12.19 m (40') intervals. All soils were screened through 1/4" mesh and all artifacts were retained. A total of 221 STPs were excavated in Area 1A. Lithic material was recovered in 11 of the STPs that were located roughly between two drainages in the survey area. This area became site 18ST548. The nature of the lithic material indicated that stone tool production was likely to have occurred at the location. Although the Phase I collection was small, it was decided that the site could yield important data for the study of prehistoric lifeways. Therefore, Phase II testing was recommended and commenced later in 1986.

Field methods employed during the Phase II investigations at the site included a random sampling strategy conducted within the area of artifact concentration. The site was stratified into six 30.48 m<sup>2</sup> squares and a random sample of twelve 1.524 m<sup>2</sup> units was selected so that there were 2 units excavated in each 30.48 m<sup>2</sup> square. Following that, the area of artifact concentration was narrowed down to a 42.67 m X 30.48 m area where 4 units were randomly selected for excavation. The majority of the artifacts were recovered from the B-horizon. No subsurface features were observed in the units.

The nature of the assemblage suggested that raw material procurement and primary reduction activities were the major activities at the site. However, the 25%-30% of the flakes that were non-cortical may indicate that some tool sharpening also occurred, which may further suggest that some hunting was done at the location. The predominant materials in the assemblage were quartz and quartzite, which could be collected in the nearby streambed. The presence of rhyolite, which comes from the mountains of western Maryland, shows that some trade or other form of interaction happened between the two places. The patterning of the artifacts showed a distinct bias towards the southeast side of the hill. From there, the main drainage of Broom Creek was easily observable. It is not surprising that all of the reconstructable cobble fragments (noted but not retained) were found on that slope.

A total of 202 prehistoric artifacts were recovered from the site. There were 193 pieces of debitage (97 quartz flakes, 2 quartz cores, 90 quartzite flakes, and 4 rhyolite flakes). There were 4 chipped stone tools including 1 quartz biface midsection, 1 quartz triangular point with indented base, 1 quartz burin, and 1 quartzite scraper. There were 5 other lithic objects including 4 hammerstones and hammerstone fragments and 1 disk shaped cobble chopper.

The Broom Creek II Site (18ST548) is a prehistoric site that represents raw material procurement and lithic reduction, and possibly limited hunting, activities. A possible date to the Middle Archaic period was suggested for the site based on diagnostic artifact types (Morrow Mountain II and Vernon) found in areas not too distant from 18ST548. Although the site represented a minor aspect of the settlement pattern in Southern Maryland, its study was important to the understanding of the overall use of the area by prehistoric people. Given the extent of the excavations already conducted, it was determined that further work at the site would be unlikely to produce more detailed information.

## External Reference Codes (Library ID Numbers):

00006439