



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18TA15

Site Name: Broad Creek

Prehistoric

Other name(s) Bryan's Cove, Ray's Point

Historic

Brief Description:

Early, Middle, & Late Archaic and Middle & Late Woodland short-term camps

Unknown

## Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 4

SCS soil & sediment code Mkb2

Latitude 38.7543

Longitude -76.2277

Physiographic province Eastern Shore Coastal P

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
- 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) San Domingo Creek

- | Saltwater                                |   | Freshwater                            |                                 |
|--|---|---------------------------------------|---------------------------------|
| Ocean <input type="checkbox"/>           | Estuary/tidal river <input checked="" type="checkbox"/> | Stream/river <input 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 0 m

## Temporal & Ethnic Contextual Data:

- Paleoindian site
- Archaic site
- Early archaic  Y
- Middle archaic  Y
- Late archaic  Y
- Woodland site
- MD Adena
- Early woodland
- Mid. woodland  Y
- Late woodland  Y

- Contact period site
- ca. 1820 - 1860
- ca. 1630 - 1675
- ca. 1675 - 1720
- ca. 1720 - 1780
- ca. 1780 - 1820
- ca. 1820 - 1860
- ca. 1860 - 1900
- ca. 1900 - 1930
- Post 1930

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			
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	6	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	113
Other lithics (all)	6	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 checked="" type="checkbox"/>
Midden	<input type="checkbox"/>	Burial(s)	<input type="checkbox"/>
Shell midden	<input checked="" 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 checked="" type="checkbox"/>	Chalcedony	<input checked="" 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 checked="" type="checkbox"/>	Other	<input checked="" type="checkbox"/>
		Sandstone	<input type="checkbox"/>	siltstone, possi	<input type="checkbox"/>

Dated features present at site

Historic Artifacts			
Pottery (all)	3	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	1	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 MAC Lab/JPPM

Additional raw data may be available online

## Summary Description:

The Broad Creek Site (18TA15) represents Early, Middle, and Late Archaic and Early (possibly), Middle and Late Woodland short-term camps and a resource procurement site and shell midden. It is located along the bank of a creek south of St. Michael's in Talbot County. Soils in the site area are comprised of well-drained Keyport silt loam, and moderate- to poorly-drained Othello and Elkton silt loams. A large portion of the site has been disturbed by activity related to early plowing and later residential development, and natural shoreline erosion. The site measures approximately 400 m long by 243 m wide.

A local collector first reported the site to the Maryland Geological Survey in 1972. The collector indicated that prehistoric ceramic sherds and biface tools had been collected from the site. Archeologists from MGS visited the site but did not collect any artifacts. The site was observed to extend from the beach into the tilled field inland.

In 1993, Phase II investigations of 18TA15 were conducted ahead of proposed construction of 1,704 linear feet of rip-rap revetment and 303 linear feet of low-profile rip-rap revetment. The proposed construction was to involve the cutting away and reshaping of the shoreline behind the higher rip-rap. The area under consideration, which encompassed the site, was divided into six building lots (lots 1-6) that were to be served by a private road. At the time of the investigations, the land was an agricultural field. A Phase I walk-over of the site prior to subsurface testing led archeologists to the determination that the only potentially significant cultural resource in the impact area was a shell-filled depression at the point where the eroding shoreline intersects the line between lots 3 and 4. Goals of the Phase II survey were to describe the offshore limits of the shell scatter that survives in the area where the midden had washed away, to define the vertical extent and stratification of the site, to examine the surface of the field and map the apparent surface extent of the midden, and to delineate the subsurface horizontal extent of the site. Subsurface testing included the excavation of 25 shovel test pits and a single 1 m<sup>2</sup> test unit. All soils were screened through ¼" mesh and all artifacts were retained except that only pieces of oyster shell 2 cm or large were collected.

Results of the Phase II investigations indicated that the surviving portion of the site (the shell midden feature) lies in a space less than 25 m long that was interpreted as a natural swale that may have sheltered shellfish-processing activities. The entire field was covered with a plowzone deposit of shell fragments. This was underlain by a layer of clay black with charcoal and containing shell fragments, which in turn sat above a stratum of well-preserved oyster shell fragments. This was in turn underlain by another layer of clay black with charcoal but minus the shell fragments, which sat on top of an old A-horizon. Around the perimeter of the swale a dense band of shell fragments were exposed in the topsoil. It was suggested that in clearing the site for cultivation, the swale was plowed disturbing the upper shells in the midden. At some time, the swale was filled and field was plowed with fairly heavy machinery. All of the buried shell layers were destroyed except for the protected swale. Unfortunately, very few artifacts and no diagnostics were collected during the Phase II study. In all, 6 pieces of lithic debitage (4 quartz and 2 black flint), 6 other lithics (unidentified pebbles and rocks) and 113 oyster shell fragments were retrieved.

In addition to the prehistoric component at the site, it was noted that several fragments of unmortared bricks were scattered across the site. However, no related features were encountered and only a few historic artifacts were recovered. There were only 3 kitchen-related items, 2 sherds of redware and 1 sherd of decorated white stoneware and 1 arms-related item, a brown gunflint or strike-a-light.

The site was revisited in 1999 during the Choptank River Watershed collection study which was funded through a non-capital grant from the Maryland Historical Trust. Based on the findings of the collection study, diagnostic artifacts dated from the Early Archaic period through the Late Woodland period were recovered from the site over several years. From this, the dates for utilization of the site were suggested. No additional artifacts were collected during the survey portion of the Choptank River project.

Broad Creek (18TA15) represents a resource procurement site and seasonal camp. The site contains a single buried cultural feature, the shell midden, which has been largely destroyed by shoreline erosion. Diagnostic artifacts recovered from avocational collectors indicate a long period of utilization of the site from the Early Archaic through the Late Woodland periods. No historic features were identified. It was determined that the site had very little research potential; therefore, the proposed development was initiated. The site was determined ineligible for listing on the National Register of Historic Places.

## External Reference Codes (Library ID Numbers):

00005247, 97003007