



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18MO390

Site Name: Muddy Branch Mill Race

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

possibly late 18th or early 19th century mill race

## Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 12

SCS soil & sediment code

Latitude 39.0653

Longitude -77.2894

Physiographic province Eastern Piedmont

Terrestrial site

Underwater site

Elevation 55 m

Site slope 0

Ethnobotany profile available

Maritime site

### Nearest Surface Water

Name (if any) Muddy Branch

#### Saltwater

Ocean

Estuary/tidal river

Tidewater/marsh

Minimum distance to water is 34 m

#### Freshwater

Stream/river

Swamp

Lake or pond

Spring

### 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

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

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? Rural

#### Domestic

Homestead

Farmstead

Mansion

Plantation

Row/townhome

Cellar

Privy

#### Industrial

Mining-related

Quarry-related

Mill  grist

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

Flotation samples taken

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

<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		Other fired clay	
Flaked stone	<input type="checkbox"/>	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)	<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

Fer quartzite	<input type="checkbox"/>	Sil sandstone	<input type="checkbox"/>
Jasper	<input type="checkbox"/>	Chalcedony	<input type="checkbox"/>
Chert	<input type="checkbox"/>	Ironstone	<input type="checkbox"/>
Rhyolite	<input type="checkbox"/>	Argilite	<input type="checkbox"/>
Quartz	<input type="checkbox"/>	Steatite	<input type="checkbox"/>
Quartzite	<input type="checkbox"/>	Sandstone	<input type="checkbox"/>
		European flint	<input type="checkbox"/>
		Basalt	<input type="checkbox"/>
		Unknown	<input type="checkbox"/>
		Other	<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

Privy/outhouse	<input type="checkbox"/>	Depression/mound	<input type="checkbox"/>	Unknown	<input type="checkbox"/>
Const feature	<input type="checkbox"/>	Burial(s)	<input type="checkbox"/>	Other	<input type="checkbox"/>
Foundation	<input type="checkbox"/>	Well/cistern	<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 checked="" type="checkbox"/>
Paling ditch/fence	<input type="checkbox"/>	Road/walkway	<input type="checkbox"/>	Wheel pit	<input checked="" 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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Unknown

## External Samples/Data:

Collection curated at

Additional raw data may be available online

## Summary Description:

The Muddy Branch Mill Race (18MO390) site represents the remains of a possible late 18th or early 19th century mill race along Muddy Branch Creek in Montgomery County, Maryland. The site is situated on a high terrace lying above wetlands, amidst an area that is lightly wooded with beech, sycamore, various oaks, and maple.

The site was first encountered during a Phase I survey of the surrounding landscape conducted in 1993. This work was conducted prior to the construction of a water/sewer line interceptor. Archival reconnaissance suggested that several mills were in operation along Muddy Branch between 1782 and 1879. Thus, when Phase I survey work was carried into the field, the high terraces along Muddy Branch were scrutinized. Site 18MO390 was subjected to three shovel tests at the bottom of what appeared to be a raceway depression. No mill or dam was observed during the course of the survey, and no cultural material was produced from the raceway shovel tests. Two additional shovel tests were excavated on the high terrace west of the mill race and one of the shovel tests produced a cut nail. No other cultural materials were recovered. It was determined that although the greater part of site 18MO390 lies beyond the right-of-way, a small portion of the mill race was determined to be within the sewer line project area. The Phase I survey resulted in the identification of the mill race, a small wetland depression nearby which may have been a wheelpit, and a potential location for the mill which warranted investigation.

Researchers returned to the site in the spring of 1994 to conduct Phase II research to determine if a mill was present at the site, and the extent to which the millrace and similar features would be impacted by the sewer line project. Archival study was conducted as part of the background research into the site. The archival research revealed that various mills were constructed along Muddy Branch and Seneca Creek during the first half of the 19th century. The construction of the Chesapeake and Ohio Canal in the 1830s and 1840s caused frequent damming and flooding of these waterways, which resulted in the closure of many mills prior to the beginning of the Civil War. However, an 1865 map (the earliest to show detailed information around Muddy Branch) does depict Glenwood Mills just north of the approximate site location, as well as several residences, presumably farmsteads, located east of the project area. A wharf is located near the mouth of Muddy Branch. An 1879 map indicates a warehouse, a store, and several residences located to the east of the site. The 1879 map also illustrates an "Old Grist Mill", owned by John L. DuFief, who also owned Glenwood Mills. A mill is, again, located north of 18MO390 and may be the Glenwood Mills shown on the 1865 map. In addition, several residences are depicted in the vicinity.

Phase II fieldwork focused on areas likely to contain structural features relating to the mill complex (i.e. stone foundations). Two 1.524 X 1.524 meter (5 X 5 ft) and two 1.524 X 3.05 meter (5 X 10 ft) units were hand excavated. By the use of a backhoe, a north-south running trench measuring 9.6 meters X 91.4 cm (31.5 ft X 3 ft) was excavated. One of the 1.524 X 3.05 m units was situated within the mill race, below the suspected mill location, where the race was to be intersected by the proposed sewer interceptor. The race bottom contours and a previously unidentified curve in the race were documented. The other 1.524 X 3.05 m unit was excavated through a slight berm that ran parallel to the raceway. The two smaller units were dug within the project right-of-way, one on the south side of what appeared to be the remnants of the wheel pit tail race and the other a short distance to the north in an area that was thought to contain remnants of the mill itself. The excavation of a machine-dug trench began at the apparent wheel pit tail race and extended through the anticipated mill building site parallel to the proposed interceptor. Results in all of the excavation units were negative for artifacts and structural remains with the exception of some modern refuse (wire and a beer can).

In all probability, the original mill associated with 18MO390 was located a short distance to the west of the site and the pipeline right-of-way. Depending on the size and function of the mill, it could be quite small. The water wheel was probably located to the west as well and is not represented by the wetland depression identified during Phase I excavation. Some small features were observed on the surface which may relate to sluice gates, tailraces, etc. It was determined that construction of the sewer line was unlikely to impact any intact cultural resources related to the mill. Thus, as currently defined, site 18MO390 does not contain significant cultural resources. However, the mill remains are likely to be present within the general vicinity and future research in this locale should focus on locating mill features that are likely located to the west of 18MO390.

## External Reference Codes (Library ID Numbers):

00006254