



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18FR28

Site Name: Mountaindale

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

Paleoindian, Early, Middle, & Late Archaic and Early, Middle, & Late Woodland lithic quarry/processing station

Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 17

SCS soil & sediment code EgB2

Latitude 39.5143 Longitude -77.4434

Physiographic province Blue Ridge

Terrestrial site

Underwater site

Elevation 540 m Site slope 6-10%

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) Fishing Creek

Saltwater

Ocean

Estuary/tidal river

Tidewater/marsh

Spring

Minimum distance to water is 0 m

Freshwater

Stream/river

Swamp

Lake or pond

Temporal & Ethnic Contextual Data:

Paleoindian site P

Woodland site

Archaic site

MD Adena

Early archaic Y

Early woodland Y

Middle archaic Y

Mid. woodland Y

Late archaic Y

Late woodland Y

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 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
- 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

Bldg or foundation

- Isolated burial
- 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	<input type="checkbox"/>	2
Clovis	<input type="checkbox"/>	
Perkiomen	<input type="checkbox"/>	
Hardaway-Dalton	<input type="checkbox"/>	11
Susquehana	<input type="checkbox"/>	
Palmer	<input type="checkbox"/>	1
Vernon	<input type="checkbox"/>	
Kirk (notch)	<input type="checkbox"/>	1
Piscataway	<input type="checkbox"/>	
Kirk (stem)	<input type="checkbox"/>	
Calvert	<input type="checkbox"/>	
Le Croy	<input type="checkbox"/>	3
Selby Bay	<input type="checkbox"/>	33
Morrow Mntn	<input type="checkbox"/>	2
Jacks Rf (notch)	<input type="checkbox"/>	3
Guilford	<input type="checkbox"/>	
Jacks Rf (pent)	<input type="checkbox"/>	7
Brewerton	<input type="checkbox"/>	5
Madison/Potomac	<input type="checkbox"/>	2
Otter Creek	<input type="checkbox"/>	14
Levanna	<input type="checkbox"/>	12

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	<input type="checkbox"/>	Staffordshire	<input type="checkbox"/>	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"/>	Porcelain	<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	<input type="checkbox"/>	
Flaked stone	<input type="checkbox"/>	970
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"/>	2
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 checked="" type="checkbox"/>
European flint	<input type="checkbox"/>		
Chert	<input checked="" type="checkbox"/>	Ironstone	<input type="checkbox"/>
Basalt	<input type="checkbox"/>		
Rhyolite	<input checked="" type="checkbox"/>	Argilite	<input type="checkbox"/>
Unknown	<input type="checkbox"/>		
Quartz	<input checked="" type="checkbox"/>	Steatite	<input type="checkbox"/>
Other	<input type="checkbox"/>		
Quartzite	<input type="checkbox"/>	Sandstone	<input type="checkbox"/>

Dated features present at site

Historic Artifacts		
Tobacco related	<input type="checkbox"/>	
Pottery (all)	<input type="checkbox"/>	Activity item(s)
Glass (all)	<input type="checkbox"/>	Human remain(s)
Architectural	<input type="checkbox"/>	Faunal material
Furniture	<input type="checkbox"/>	Misc. kitchen
Arms	<input type="checkbox"/>	Floral material
Clothing	<input type="checkbox"/>	Misc.
Personal items	<input type="checkbox"/>	Other

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"/>
Well/cistern	<input type="checkbox"/>				
Foundation	<input type="checkbox"/>	Trash pit/dump	<input type="checkbox"/>	Railroad bed	<input type="checkbox"/>
Cellar hole/cellar	<input type="checkbox"/>	Sheet midden	<input type="checkbox"/>	Earthworks	<input type="checkbox"/>
Hearth/chimney	<input type="checkbox"/>	Planting feature	<input type="checkbox"/>	Mill raceway	<input type="checkbox"/>
Postholes/molds	<input type="checkbox"/>	Road/walkway	<input type="checkbox"/>	Wheel pit	<input type="checkbox"/>
Paling ditch/fence	<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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Unknown

External Samples/Data:

Collection curated at MAC

Additional raw data may be available online

Summary Description:

The Mountaindale site (18FR28) extends for nearly 1 km along a small creek northwest of Frederick, Maryland. Numerous projectile point types representing the Early Archaic through the Late Woodland have been obtained here by collectors, with Late Archaic and Middle Woodland points most abundant. In addition, two fluted projectile points were reportedly recovered from the site, suggesting the possibility of a Paleoindian component (see below). Professional archeological work at the site has been limited and much of the site has been detrimentally impacted by the construction of housing.

The site has been known to local collectors for at least several decades. Spencer O. Geasey, a Frederick resident and prominent member of the Archeological Society of Maryland had an extensive collection from the site. This collection was examined by Peck during the Monocacy Valley Survey of the late 1970s. He reports the presence of 1 diagnostic pottery sherd (Mockley), 1 Kirk corner-notched projectile point, 1 MacCorkle stemmed, 2 St. Albans side-notched points, 3 LeCroys, 2 Stanley stemmed points, 5 Neville, 1 Morrow Mountain I, 6 Mountaindales, 14 Otter Creek points, 2 Vosburgs, 5 Brewerton eared points, 5 Lackawaxens, 3 Bare Islands, 4 Savannah River stemmed points, 4 Halifax side-notched points, 1 Vernon, 2 Koens-Crispins, 11 Susquehanna Broadspears, 4 Dry Brooks, 2 Orient Fishtails, 1 Hellgrammite, 4 Accokeek points, 1 Wormans Mill point, 1 Potts point, 33 Selby Bay variants, 3 Jack's Reef corner-notched points, 6 Jack's Reef pentagonal points, 4 elongate triangular points, 12 Levannas, and 2 Madison points. Apparently absent from the assemblage in 1979, were two fluted points which MHT staff observed in the Geasey collection in the early 1970s. One was a gray chalcidony point with a fluted base and one was of very dark gray chert. The fluted points, again, suggest the possibility that a Paleoindian component is also present at the site, but the disposition of the points is uncertain (however, Geasey's collection was donated to MHT in 1993 and could be re-examined).

Survey and testing were also conducted during the Monocacy Valley Survey. An initial field visit was made to the site in 1978, during which 1 retouched quartz flake, 5 rhyolite flakes, 2 quartz flakes, and 1 chert flake were collected. MHT staff and volunteers returned to the site in 1980 to undertake more detailed investigations. Due to the extensive disturbance of the site, the testing method isolated three areas of the site which were essentially undisturbed. Area A, located in a large agricultural field, was one area where substantial collecting had occurred. This was not plowed, so shovel test pits were placed every 25 meters across the field, and a controlled amount of soil (6 10-qt. buckets) was shoveled and screened from the plowzone. A minimum of 680 flaked stone objects (not described in the original report) were encountered in the Area A shovel test pits. Area B was the location of greatest lithic density according to Spencer Geasey. This area was also the most disturbed; by numerous houses, a pony yard, a store, a garden, a road, and a ball field. One shovel test was placed in this area and processed in the same manner as the ones from Area A (i.e. 6 10-qt. buckets of soil shoveled and screened from the plowzone). Seven 1 X 1 meter test units were placed in this area, within a pony yard. Six of the 1 m squares were taken down to the base of the plowzone, where a layer of large cobbles and boulders interspersed with pockets of yellowish sandy subsoil was encountered. Lithic flakes were present in the exposed pockets of subsoil, but the boulders precluded digging to any deeper level. The boulder/cobble layer was not encountered in one of the 1 m pony yard squares. It yielded 86 pieces of rhyolite, 39 quartz flakes, and 6 quartz flakes. Lithic densities in Area B were the highest within the site. Finally, area C is a low terrace adjacent to the creek. Fourteen shovel test pits were planned for this area, but only four were ultimately excavated. This area produced almost no cultural material and is probably outside the limits of the main site.

Diagnostic artifacts recovered during the testing include 1 reworked rhyolite Morrow Mountain point, 1 rhyolite Savannah River stemmed point, and 1 chert Jack's Reef pentagonal point, all within the plowzone. Among the private collections from this site, the most common items are crude rhyolite preforms, rather than finished tools. From this observation, it has been postulated that the site served as a rhyolite processing station, where rhyolite quarried from the west side of Catoctin Mountain was fashioned into blanks to be re-transported to other locations. This picture was confirmed by the test excavations, which showed a very small percentage of the flakes exhibiting retouch and/or utilization.

The Mountaindale site is unusual in the Monocacy valley because of its size, concentration of material, and its early and repeated use by prehistoric populations. Although the site has been extensively disturbed, it still has potential to provide important data on the interface between upland and lowlands, and on the aboriginal use of rhyolite.

External Reference Codes (Library ID Numbers):

00005983