



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18AN557

Site Name: Cedar Knoll

Prehistoric

Other name(s): Temp Site 11

Historic

Unknown

Brief Description:

Late Archaic & Late Woodland short-term camps, Mid-19th to Early 20th century artifact scatter

Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 8

SCS soil & sediment code DvB

Latitude 39.1307 Longitude -76.7619

Physiographic province Western Shore Coastal

Terrestrial site

Underwater site

Elevation m Site slope 2-5%

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) Geyer's Branch tributary of

- | 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 0 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

- 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? 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 N

Flotation samples taken N Other samples taken



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Diagnostic Artifact Data:

Projectile Point Types		
Clovis	<input type="checkbox"/>	
Hardaway-Dalton	<input type="checkbox"/>	
Palmer	<input type="checkbox"/>	
Kirk (notch)	<input type="checkbox"/>	
Kirk (stem)	<input type="checkbox"/>	
Le Croy	<input type="checkbox"/>	
Morrow Mntn	<input type="checkbox"/>	
Guilford	<input type="checkbox"/>	
Brewerton	<input type="checkbox"/>	1
Otter Creek	<input type="checkbox"/>	
Koens-Crispin	<input type="checkbox"/>	
Perkiomen	<input type="checkbox"/>	
Susquehana	<input type="checkbox"/>	
Vernon	<input type="checkbox"/>	1
Piscataway	<input type="checkbox"/>	
Calvert	<input type="checkbox"/>	
Selby Bay	<input type="checkbox"/>	
Jacks Rf (notch)	<input type="checkbox"/>	
Jacks Rf (pent)	<input type="checkbox"/>	
Madison/Potomac	<input type="checkbox"/>	
Levanna	<input type="checkbox"/>	1

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		
Flaked stone	<input type="checkbox"/>	270
Ground stone	<input type="checkbox"/>	
Stone bowls	<input type="checkbox"/>	
Fire-cracked rock	<input type="checkbox"/>	37
Other lithics (all)	<input type="checkbox"/>	1
Ceramics (all)	<input type="checkbox"/>	
Rimsherds	<input type="checkbox"/>	
Other fired clay	<input type="checkbox"/>	
Human remain(s)	<input type="checkbox"/>	
Modified faunal	<input type="checkbox"/>	
Unmod faunal	<input type="checkbox"/>	
Oyster shell	<input type="checkbox"/>	
Floral material	<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 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 checked="" 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		
Pottery (all)	<input type="checkbox"/>	2
Glass (all)	<input type="checkbox"/>	18
Architectural	<input type="checkbox"/>	7
Furniture	<input type="checkbox"/>	
Arms	<input type="checkbox"/>	
Clothing	<input type="checkbox"/>	
Personal items	<input type="checkbox"/>	
Tobacco related	<input type="checkbox"/>	
Activity item(s)	<input type="checkbox"/>	3
Human remain(s)	<input type="checkbox"/>	
Faunal material	<input type="checkbox"/>	
Misc. kitchen	<input type="checkbox"/>	
Floral material	<input type="checkbox"/>	
Misc.	<input type="checkbox"/>	2
Other	<input type="checkbox"/>	

Historic Features

Const feature	<input type="checkbox"/>	Privy/outhouse	<input type="checkbox"/>	Depression/mound	<input checked="" type="checkbox"/>	Unknown	<input type="checkbox"/>
Foundation	<input type="checkbox"/>	Well/cistern	<input type="checkbox"/>	Burial(s)	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>
Cellar hole/cellar	<input type="checkbox"/>	Trash pit/dump	<input checked="" type="checkbox"/>	Railroad bed	<input type="checkbox"/>	Berm and bottle dump	<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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Unknown

External Samples/Data:

Collection curated at MAC

Additional raw data may be available online

Summary Description:

The Cedar Knoll Site (18AN557) consists of a series of Late Archaic & Late Woodland short-term camps located on the Fort George G. Meade property in Anne Arundel County. The site is situated on an upland knoll overlooking a tributary creek of the Little Patuxent River. The Baltimore Washington Parkway (MD-295) is situated directly to the west of the site and the site is wooded. Soils at the site are primarily Keyport loamy sands.

The site was first identified in 1978 during a pedestrian survey by the Maryland Geological Survey (MGS) along MD-295. Archeological materials were found lying on the ground surface of a "sandy blowout" as a result of MD-295 cutting next to, and possibly through, the site. MGS personnel surveyed the site with the excavation of shovel test pits (STPs) randomly placed to delineate the boundaries of the site. All of the STPs were negative for artifacts. Artifacts recovered from the sandy blowout in 1978 included 1 small quartz notched point (possibly Vernon or Vestal-notched type), a Levanna point, and 46 pieces of debitage (38 quartz, 7 rhyolite, and 1 quartzite flake). The site was interpreted to be a possible small campsite of lithic reduction area.

The site was examined again in 1985 By MGS personnel. This work was carried out due to potential impacts to the site from proposed construction of a MD Route 32-Route 175 connector. A pedestrian survey of an old dirt road east of the site and again along the MD-295 roadcut resulted in the recovery of several more lithic artifacts. These included fire-cracked rock and quartz debitage. Unfortunately, the amount of artifacts recovered was not quantified and, thus, the 1985 materials are not included in the tables above.

A Maryland State Highway Administration (SHA) archeologist made two site visits in 1988, excavating two STPs at 18AN557. The reason for the SHA visit appears to be a locational discrepancy. There is the "1978" location for the site adjacent to the small stream and the "1985" location on a hilltop west of the stream. An STPs was excavated within each site area, in the MD-295 right-of-way. The shovel test in the 1978 location produced a converging stemmed quartzite projectile point in the former plowzone. The STP in the 1985 location, recovered a single possible hammerstone about 50-75cm below the surface. The reason for the mapping discrepancy is unknown, but the 1978 location appears to be more reliable.

Phase II testing was carried out at 18AN557 in March of 2003. At that time a Phase IB survey was being carried out on property that was part of Fort George G. Meade. On May 1, 2002, a 50 year land lease was signed conveying all base housing, except historical homes, to Meade Communities, LCC: a total of 2,862 dwelling units on the base in 5 parcels. In addition, about 1,000 acres were leased for the construction of approximately 308 new family housing units, ancillary support facilities, and for the development of storm water management and community aesthetic enhancement. The proposed action constitutes an undertaking that is subject to the requirements of Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended. The archeological evaluation of Site 18AN557 was also requested and carried out in accordance with Army Regulation 200-4 and the Archeological Resources Protection Act of 1979, which requires that all archeological investigations on federal property be carried out by permit issued by the Federal land manager (i.e., Installation Commander).

The Phase II excavation of 18AN557 entailed the excavation of both STPs and 1 X 1 m test units. Three STPs were initially excavated at 15 m intervals across the long axis of the site (generally east-west). Each STP was approximately 40 cm in diameter and excavated in stratigraphic layers to a depth of 10 cm into sterile subsoil, or culturally sterile horizon. All three STPs produced prehistoric materials. Ten 1 X 1 m test units were placed around the positive STPs to further delineate the site boundaries, to identify artifact concentrations, and to locate subsurface features (if present). As with the STPs, test unit excavation terminated at 10 cm into subsoil or culturally sterile soils. All excavated soils were screened through hardware cloth. Detailed notes on soil color, soil texture, and depth of each STP and test unit were recorded on standardized forms using common field methods and nomenclature. Excavations were also documented using photography when appropriate.

In total, 258 prehistoric artifacts were recovered during the Phase II evaluation of Site 18AN557. Artifacts included 1 projectile point, 4 bifaces, 1 biface fragment, 215 pieces of debitage (2 cores, 203 flakes, 6 pieces of shatter, and 3 tested cobbles), and 37 pieces of fire-cracked rock. The only diagnostic object recovered was the projectile point: a Late Archaic period Brewerton Eared-notched point. Most of the lithic raw materials were quartz (136 objects), followed by rhyolite (62), quartzite (51), chalcedony (5), jasper (2), chert (1), and silicified sandstone (1). In addition to the prehistoric materials, 2 flowerpot fragments, 1 sign fragment, 6 pieces of window glass, 1 piece of brick, 2 whiteware sherds, 12 bottle glass shards, and 2 pieces of coal were recovered. No prehistoric or historic features were encountered during the Phase II excavations.

No vertical distribution was evident within Site 18AN557. Historic plowing was found to have disturbed the prehistoric occupation levels of the site. In addition, both historic and prehistoric artifacts were recovered mixed within the same levels. The majority of the artifacts (237 objects) were recovered from disturbed contexts, including 20 prehistoric artifacts from the topmost layer of soil (O Horizon), and 217 artifacts from the plowzone (Ap Horizon). The remaining 21 artifacts were recovered from B Horizon contexts scattered across the site and may be an indicator of bioturbation or plow drag. The horizontal spatial distribution of prehistoric artifacts is fairly even across the site, though the south-central portion of the site has a slightly higher concentration of artifacts. The data generally suggests no vertical or horizontal patterning evident within the site.

Based upon the Phase I and II data, site 18AN557 appears to have been a resource procurement and/or lithic reduction camp occupied during the Archaic and Woodland Periods. The site's location overlooking the stream would have been attractive to prehistoric inhabitants of the region. Due to the paucity of diagnostic artifacts and lack of features, however, it is unlikely that this site can contribute to our knowledge of prehistory. Therefore the site has been recommended ineligible for inclusion on the National Register of Historic Places and no further work is recommended.

External Reference Codes (Library ID Numbers):

97002708, Site Files