



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18AN1119

Site Name: RCG&A Arundel Mills Site 1

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

Woodland short-term camp

Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 7

SCS soil & sediment code

Latitude 39.1521

Longitude -76.7210

Physiographic province Western Shore Coastal

Terrestrial site

Underwater site

Elevation 49 m

Site slope

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) Piny Run

Saltwater

Ocean

Estuary/tidal river

Tidewater/marsh

Spring

Freshwater

Stream/river

Swamp

Lake or pond

Spring

Minimum distance to water is 30 m

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=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

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

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"/>	
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"/>	
Otter Creek	<input type="checkbox"/>	
Koens-Crispin	<input type="checkbox"/>	
Perkiomen	<input type="checkbox"/>	
Susquehana	<input type="checkbox"/>	
Vernon	<input type="checkbox"/>	
Piscataway	<input type="checkbox"/>	1
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"/>	1
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	<input type="checkbox"/>	2	Staffordshire	<input type="checkbox"/>	Stoneware		
Astbury	Jackfield	<input type="checkbox"/>		Tin Glazed	<input type="checkbox"/>	English Brown	<input type="checkbox"/>	
Borderware	Mn Mottled	<input type="checkbox"/>		Whiteware	<input type="checkbox"/>	16	Eng Dry-bodied	<input type="checkbox"/>
Buckley	North Devon	<input type="checkbox"/>		Porcelain	<input type="checkbox"/>	3	Nottingham	<input type="checkbox"/>
Creamware	Pearlware	<input type="checkbox"/>	1				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"/>	304
Ground stone	<input type="checkbox"/>	
Stone bowls	<input type="checkbox"/>	
Fire-cracked rock	<input type="checkbox"/>	64
Other lithics (all)	<input type="checkbox"/>	4
Ceramics (all)	<input type="checkbox"/>	1
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"/>	2
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 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 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"/>	24
Glass (all)	<input type="checkbox"/>	62
Architectural	<input type="checkbox"/>	26
Furniture	<input type="checkbox"/>	
Arms	<input type="checkbox"/>	1
Clothing	<input type="checkbox"/>	
Personal items	<input type="checkbox"/>	
Tobacco related	<input type="checkbox"/>	
Activity item(s)	<input type="checkbox"/>	7
Human remain(s)	<input type="checkbox"/>	
Faunal material	<input type="checkbox"/>	
Misc. kitchen	<input type="checkbox"/>	28
Floral material	<input type="checkbox"/>	
Misc.	<input type="checkbox"/>	50
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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Brief

Description:

Woodland short-term camp

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External Samples/Data:

Collection curated at

Additional raw data may be available online

Summary Description:

The RCG&A Arundel Mills Site 1, or 18AN1119, is a short-term Late Archaic and Woodland Period camp located in the Arundel Mills area of Anne Arundel County, Maryland. The site is situated on the low eastern terrace of an unnamed tributary drainage to Piny Run Creek. Piny Run Creek flows into Deep Run, which eventually empties into the Patapsco River. The southern boundary of the site is a local road. The site is approximately 60 X 250 m and forms a rough arc following the creek terrace. Prehistoric forest cover is thought to have consisted primarily of oak, sweetgum, and yellow poplar. Soils at the site are Bibb silt loam and Sassafras fine sandy loams and loam.

The site was first identified during a Phase I survey for the (then) proposed Arundel Mills Development Project in Anne Arundel County, Maryland. The development project entailed the construction of a large shopping mall facility on a 400 acre parcel and related developments on two additional smaller out parcels. The out parcels include an access road from the Baltimore-Washington Parkway and an interchange at the parkway, which is off-site. During this study, shovel testing was done on a 20 m grid with additional testing around artifact bearing shovel tests at a 10 m interval. Phase I testing of the site produced 33 positive shovel test pits (STPs), 32 containing prehistoric artifacts and one containing both prehistoric and historic artifacts. The historic artifacts were noted, but not retained.

The Phase I prehistoric assemblage collected in 1998 included a quartz projectile point base, 2 cores, 40 flakes, 10 pieces of shatter, a manuport, 11 pieces of fire-cracked rock, and 2 pieces of shell. Lithic materials consisted of, in order of abundance, quartz, quartzite, rhyolite, chert, bogiron, amphibolites, chalcedony, jasper, and sandstone. Over half of the artifacts were recovered from the B horizon, indicating the possibility of intact living horizons. Based on these findings, the site was recommended for Phase II testing if it could not be avoided.

This Phase II testing was conducted at the site in January of 1999. Field investigations were undertaken in two stages. Shovel tests were again excavated across the site, but this time on a 10 m grid interval. This data provided clearer definition of artifact distribution and spatial patterning. Using this data, in concert with the Phase I STP data, seven 1 X 1 m test units were placed to examine areas with high concentrations of artifacts to examine soil stratigraphy across the site and to look for features associated with artifact concentrations. Data from the seven units were examined, and it was determined that additional units would provide only a limited amount of additional data, while even closer interval shovel testing had the potential to provide significant additional data about spatial patterning. Thus, in specific areas of higher artifact concentration the shovel testing was increased to create a 5 m grid. A total of 270 STPs were excavated during the Phase II testing at 18AN1119.

All STPs and test units were hand excavated. STPs measured approximately 35 cm in diameter and were excavated by natural strata to a depth of 40 cm below surface or 10 cm into sterile subsoil (whichever occurred first). Test units were removed in 10 cm levels within natural stratigraphy, and excavated to a depth of 50 cm below cultural levels. All soils were screened through hardware cloth. STP and test unit information was recorded on standardized unit forms.

Seventy-four of the shovel tests contained cultural material: 48 yielding prehistoric artifacts, 11 containing historic artifacts, and 15 containing both historic and prehistoric artifacts. Shovel testing also revealed three portions of the site that had significantly greater artifact density. These were named Clusters 1, 2, and 3. An analysis was made of the artifact assemblages recovered from each cluster revealing that each was composed primarily of similar quartz and quartzite debitage/debris fields.

Cluster 2, in the center of the site, had evidence of additional activity: small non-cortical flakes indicate that there was biface refinishing or retooling of rhyolite, chert, chalcedony, and jasper tools. This activity appears to be associated with a Late Archaic occupation. Based on the combined STP and test unit data in Cluster 2, this area appears to possess stratigraphic integrity, and seems to represent a typical temporary campsite of the Late Archaic. Analysis of Clusters 1 and 3 through both STPs and test units, seem to suggest that the remainder of the site has been disturbed.

No features were encountered during the course of test units excavations and, again, most of the site appears to be disturbed through plowing and colluvial action.

The prehistoric assemblage encountered during Phase II excavations at 18AN1119 included 3 Savannah River points, a possible Genesee point, a Piscataway point, a Madison point, 4 other bifaces, 4 cores, 3 utilized flakes, 216 other flakes, 18 piece of shatter, 53 pieces of fire-cracked rock, 3 hammerstones, and an Accokeek ceramic sherd. The relative prevalence of various lithic raw material types followed a similar pattern to that observed during Phase I work. The historic artifact assemblage was determined to be light 19th and 20th century field scatter. It consisted of 7 activity items (a toy marble and lamp glass), 26 architectural artifacts (a brick fragment, 21 pieces of glass, 1 electrical insulator, and 3 nails), 93 kitchen-related artifacts (1 pearlware sherd, 3 porcelain sherds, 2 ironstone sherds, 16 whiteware sherds, 1 domestic brown stoneware sherd, 1 unidentified ceramic sherd, 40 container glass fragments, 1 glass lid liner piece, and 28 pieces of oyster shell), 1 arms item (a shotgun shell), and 50 miscellaneous objects (6 pieces of charcoal, 6 unidentified metal objects, 36 pieces of coal, and 2 pieces of slag).

Despite areas of limited intact deposits, the research potential of Site 18AN1119 was determined to be minimal. It was determined that the data provided by Site 18AN1119 could not add appreciably to our understanding of prehistoric activity in northern Anne Arundel County. The data potential for the site is negligible when judged against the quantity and quality of data obtained from similar Late Archaic sites in the local region. The site was not considered eligible for listing on the NRHP and, thus, it was determined that no adverse effect would occur if the mall construction proceeded. The mall was subsequently built and 18AN1119 would have been destroyed by a constructed wetland required for environmental mitigation.

External Reference Codes (Library ID Numbers):

00007267, 00007572