



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18MO551

Site Name: NIHAC Power Plant

Prehistoric

Other name(s)

Historic

Brief Description:

Archaic-Woodland short-term resource procurement, 19th century farmstead artifact concentration

Unknown

Site Location and Environmental Data:

Latitude 39.1269 Longitude -77.4722
Elevation 79 m Site slope

Maryland Archaeological Research Unit No. 12

SCS soil & sediment code

Physiographic province Eastern Piedmont

Terrestrial site

Underwater 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 High terrace
Hilltop/bluff Rockshelter/cave
Interior flat Hillslope
Upland flat Unknown
Ridgetop Other
Terrace
Low terrace

Ownership

Private
Federal
State of MD
Regional/county/city
Unknown

Nearest Surface Water

Name (if any) Unnamed spring tributary o

Saltwater **Freshwater**
Ocean Stream/river
Estuary/tidal river Swamp
Tidewater/marsh Lake or pond
Spring
Minimum distance to water is 1 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 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
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"/>	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

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	822	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	<input type="checkbox"/>
Other lithics (all)	1	Oyster shell	<input type="checkbox"/>
Ceramics (all)	<input type="checkbox"/>	Floral material	<input type="checkbox"/>
Rimsherds	<input type="checkbox"/>	Uncommon Obj.	1
		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 type="checkbox"/>	European flint	<input type="checkbox"/>
Rhyolite	<input 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 type="checkbox"/>	Steatite	<input type="checkbox"/>	Other	<input type="checkbox"/>
		Sandstone	<input type="checkbox"/>		

Dated features present at site

Historic Artifacts			
Pottery (all)	14	Tobacco related	<input type="checkbox"/>
Glass (all)	8	Activity item(s)	12
Architectural	25	Human remain(s)	<input type="checkbox"/>
Furniture	<input type="checkbox"/>	Faunal material	<input type="checkbox"/>
Arms	<input type="checkbox"/>	Misc. kitchen	2
Clothing	1	Floral material	<input type="checkbox"/>
Personal items	<input type="checkbox"/>	Misc.	46
		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

Additional raw data may be available online

Summary Description:

The National Institutes of Health Animal Center (NIHAC) Power Plant Site (18MO551) is located at the NIH campus outside Poolesville, Maryland. The site represents an Archaic/Woodland short-term resource procurement and production site with a small 19th century farmstead artifact concentration. The Potomac River is less than 1.6 kilometers (1 mile) from the southern boundary of the site. A spring and a stream are located on the southern boundary of the project area and likely provided necessary resources to people in the past. A quartz quarry site is located a mere 200 meters north of the project area. In the historic past, the land within the project area was used for pasture and cultivation. There is also some limited evidence that a 19th century farmhouse may have existed on the land encompassed within the study area. The first structures associated with NIHAC were built starting in the 1960s. The main soil types in the study area are Penn silt loam and Croom and Buck soils.

Survey of the Power Plant Site was initiated prior to the proposed expansion of the power plant facility into the research area. The total project area is slightly less than 10 acres in size. Extensive documentary research and fieldwork were carried out as part of the Phase I evaluation. 271 shovel test pits (STPs) were established using an arbitrary 10 meter grid and excavated to sterile soil. Phase II excavation unit locations were selected by assessing the areas where STPs had the highest artifact concentrations as well as having low concentrations of modern artifacts and limited disturbance. No units were excavated in the northern section of the site due to lower artifact numbers and greater disturbance. Fourteen 1 meter X 1 meter units and an additional 36 STPs were excavated during the Phase II investigation. The artifacts from Phase I and Phase II are quantified together in the above table as they are in the original report.

Prehistoric artifacts produced from rhyolite, jasper and quartz were recovered from the site. Rhyolite artifacts were taken almost entirely from the northern portion of the site. In total, 824 lithic objects were identified. These include: 10 preforms/point blanks, 6 scraper tools, 1 sandstone hammerstone, 3 broken projectile points, 801 pieces of debitage and 1 unidentified lithic. The only diagnostic artifact found was a quartz Fox Creek point. Additionally, 1 uncommon object, a sandstone arrow straightener, was identified.

A small collection of historic period artifacts was also found within the study area. Modern artifacts were also included in the counts with historic artifacts because there were not consistent 'modern'/'historic' designations in the original report text. The 12 activity-related items include 2 (modern) pipe or plumbing related items, 5 ceramic sewer pipe fragments with 1 designated modern and 4 designated historic and 5 (historic) iron hardware fragments. Architecture-related items consist of 2 pieces of window glass, 9 mortar fragments, 1 iron spike, 1 metal bolt, 1 brass washer, and 6 pieces of asphalt and concrete, all of which were designated as modern. One modern plastic molded shoe was the only article of clothing found. Kitchen items were comprised of 3 historic and 2 modern bottle glass shards, 1 historic table glass shard, 2 earthenware, 4 pearlware and 2 stoneware sherds and 6 redware ceramic sherds. There was also one oyster shell fragment and 1 unidentified seed. Miscellaneous items include 1 modern and 3 historic wood fragments, 2 modern plastic items (a utensil and a piece of wire insulation), 9 pieces of coal (modern and historic), 22 pieces of charcoal (historic), 8 pieces of slag (modern and historic) and 1 very modern cigarette pack .

Due to the effects of previous construction and the extreme disturbance in the survey area, 18MO551 is not National Register eligible. Further research will not recover additional information than that already gained during the Phase I and Phase II investigations.

External Reference Codes (Library ID Numbers):

97000429