



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18AN1161

Site Name: Maule

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

Late Woodland lithic reduction site, 20th century artifact scatter

Site Location and Environmental Data:

Latitude 39.1845 Longitude -76.7176
Elevation 40 m Site slope

Maryland Archaeological Research Unit No. 7

SCS soil & sediment code

Physiographic province Western Shore Coastal

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 tributary of Piney

Saltwater **Freshwater**
Ocean Stream/river
Estuary/tidal river Swamp
Tidewater/marsh Lake or pond
Spring
Minimum distance to water is 34 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

lithic reduction

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		Staffordshire		Stoneware	
Astbury	<input type="checkbox"/>	Jackfield	<input type="checkbox"/>	1	<input type="checkbox"/>	Tin Glazed	<input type="checkbox"/>	English Brown	<input type="checkbox"/>
Borderware	<input type="checkbox"/>	Mn Mottled	<input type="checkbox"/>		<input type="checkbox"/>	Whiteware	8 <input type="checkbox"/>	Eng Dry-bodied	<input type="checkbox"/>
Buckley	<input type="checkbox"/>	North Devon	<input type="checkbox"/>		<input type="checkbox"/>	Porcelain	<input type="checkbox"/>	Nottingham	<input type="checkbox"/>
Creamware	<input type="checkbox"/>	Pearlware	2 <input type="checkbox"/>		<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	82 <input type="checkbox"/>	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	2 <input type="checkbox"/>	Unmod faunal	<input type="checkbox"/>
Other lithics (all)	<input type="checkbox"/>	Oyster shell	<input type="checkbox"/>
Ceramics (all)	<input type="checkbox"/>	Floral material	<input type="checkbox"/>
Rimsherds	<input type="checkbox"/>	Uncommon Obj.	<input type="checkbox"/>
		Other <input type="checkbox"/>	<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 checked="" 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)	18 <input type="checkbox"/>	Tobacco related	<input type="checkbox"/>
Glass (all)	632 <input type="checkbox"/>	Activity item(s)	<input type="checkbox"/>
Architectural	543 <input type="checkbox"/>	Human remain(s)	<input type="checkbox"/>
Furniture	<input type="checkbox"/>	Faunal material	<input checked="" type="checkbox"/>
Arms	<input type="checkbox"/>	Misc. kitchen	6 <input type="checkbox"/>
Clothing	<input type="checkbox"/>	Floral material	<input type="checkbox"/>
Personal items	<input type="checkbox"/>	Misc.	126 <input type="checkbox"/>
		Other <input checked="" type="checkbox"/>	coal <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 checked="" type="checkbox"/>
Cellar hole/cellar	<input type="checkbox"/>	Trash pit/dump	<input type="checkbox"/>	Railroad bed	<input type="checkbox"/>	amorphous soil stain	<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 Maule Site (18AN1161) is a Late Woodland lithic reduction site with an additional 20th century component located near Hanover in northern Anne Arundel County, Maryland. The site is situated on a wooded hillslope above an unnamed tributary of Piney Run, just west of the Baltimore Washington International (BWI) Airport. An unused historic farm road and partial fence line passes through the long axis of the site. The site was forested with some heavy underbrush when it was first discovered in 1999. The area near the stream is believed to have once been much more of a wetland environment prior to its filling in to construct the farm road. Soils at the site are primarily Evesboro and Galestown loamy sands and Woodstown sandy loams.

The site was first identified in 1999 as the result of a Combined Phase I/II investigation of a 116 acre area either owned or of interest to the Maryland Aviation Administration west of the BWI Airport. The work was conducted in the fall of that year to determine the impact of potential development of the area, related to airport operations. The nature of future development plans required archeological investigation to assess any potential adverse effects to any cultural resources present under Section 106 of the National Historic Preservation Act, and Article 83B, paragraph 5-618 (g) of the Annotated Code of Maryland.

Phase I work in the vicinity of 18AN1161 entailed the excavation of 17 systematic shovel test pits (STPs) at 20 meter intervals. STPs were excavated according to stratigraphic layers and all excavated material was passed through hardware cloth screens for uniformity of artifact recovery.

The Maule Site was identified by a cluster of positive STPs roughly 121.92 X 30.5 m (400 X 100 ft) in area. Numerous prehistoric artifacts were found. Initial survey results indicated a possible stratified prehistoric site with minimal mixing of historic material, excepting one intensely positive STP located in an apparent historic trash dump area. The Phase I materials are included in the assemblage description below along with the Phase II materials. Horizontal densities ranged from 1 to 11 artifacts per STP. Based on these findings, the decision was made to proceed to a Phase II level of testing.

Phase II work entailed the excavation of two 1 X 1 m test units to examine soil stratigraphy and site integrity. One test unit was situated in the eastern portion of the site and the other was placed in the western portion of the site. No features were identified in either unit. Both test units demonstrated deeply deposited historic material in denser concentration than prehistoric material. The construction of the historic road and fence line that pass through the center of the site may have severely disturbed the site. Alternatively, it may have even 'created' the site through the secondary deposit of artifacts through the infilling of the previously low lying wetlands to raise the road bed for farm use.

Prehistoric materials recovered from the Maule Site consisted entirely of lithics. Material was primarily quartz, but included chert, quartzite, rhyolite, and an unidentifiable lithic material. The assemblage was principally flakes, but did include five tools. The combined Phase I and II prehistoric assemblage from 18AN1161 included a chert triangular point which had been resharpened almost to a drill or awl, a broken rhyolite biface, a quartz point tip, a crude quartz biface, a quartz uniface, 49 flakes, 24 pieces of shatter, 2 chunks, 2 tested cobbles, and 2 fragments of fire-cracked rock. The lithic assemblage can be characterized as largely cortical early stage reduction debris without evidence of further utilization. The presence of some tools within the site would indicate that other subsistence or maintenance activities were also taking place. The only chronologically indicative prehistoric artifact recovered was the Late Woodland period triangle point, which could not be assigned to a specific type due to extensive resharpening.

The historic assemblage recovered consisted primarily of window glass (528 pieces), secondarily of bottle glass (104 pieces), with coal (89 pieces) comprising the third main portion. The remaining 76 historic artifacts included 8 pieces of brick, 7 nails (1 cut), 18 ceramic sherds (2 pearlware, 8 whiteware, 4 unidentifiable refined earthenware, 1 ironstone, 1 redware, and 2 miscellaneous stoneware), 5 pieces of oyster shell, 1 piece of bone, 22 fragments of charcoal, and 15 corroded/unidentifiable pieces of metal. The large amount of both window glass and bottle glass makes it more likely that this concentration represents either fill from other locations on the farm complex, or peripheral dumping practices.

In summary, although the initial survey results suggested that 18AN1161 may represent an in situ undisturbed prehistoric site, subsequent Phase II study demonstrated extensive vertical disturbance of the deposits, and raised the possibility of substantial horizontal relocation as fill. As the integrity of the site is questionable, the Maule Site does not appear to have significant research value.

External Reference Codes (Library ID Numbers):

97000456