



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18BA158 Site Name: T.D. Jones Field N, Locus 2

Prehistoric

Other name(s) Theodore Lurman property

Historic

Brief Description: Middle and Late Archaic, Woodland village or base camp; Late 18th-19th century artifacts

Unknown

Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 14 SCS soil & sediment code RsC,luA,Ur
Latitude 39.2459 Longitude -76.7013 Physiographic province Eastern Piedmont Terrestrial site Underwater site
Elevation m Site slope 5-10% 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 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 West

Saltwater **Freshwater**
Ocean Stream/river
Estuary/tidal river Swamp
Tidewater/marsh Lake or pond
Spring
Minimum distance to water is 0 m

Temporal & Ethnic Contextual Data:

Paleoindian site Woodland site Contact period site ca. 1820 - 1860 Y
Archaic site MD Adena ca. 1630 - 1675 ca. 1860 - 1900 Y
Early archaic Early woodland Y ca. 1675 - 1720 ca. 1900 - 1930
Middle archaic Y Mid. woodland Y ca. 1720 - 1780 Post 1930
Late archaic Y Late woodland Y ca. 1780 - 1820 Y
Unknown prehistoric context Unknown historic context
Unknown context

Ethnic Associations (historic only)

Native American Asian American
African American Unknown Y
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"/>	
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"/>	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"/>	1
Levanna	<input type="checkbox"/>	

Prehistoric Sherd Types			
Marcey Creek	<input type="checkbox"/>	Popes Creek	<input type="checkbox"/>
Dames Qtr	<input type="checkbox"/>	Coulbourn	<input type="checkbox"/>
Selden Island	<input type="checkbox"/>	Watson	<input type="checkbox"/>
Accokeek	<input type="checkbox"/>	Mockley	<input type="checkbox"/>
Wolfe Neck	<input type="checkbox"/>	Clemson Island	<input type="checkbox"/>
Vinette	<input type="checkbox"/>	Page	<input type="checkbox"/>
Shepard	<input type="checkbox"/>	Townsend	<input type="checkbox"/>
Minguannan	<input type="checkbox"/>	Sullivan Cove	<input type="checkbox"/>
Shenks Ferry	<input type="checkbox"/>	Moyaone	<input type="checkbox"/>
Potomac Crk	<input type="checkbox"/>	Keyser	<input type="checkbox"/>
Yeocomico	<input type="checkbox"/>	Monongahela	<input type="checkbox"/>
Susquehannock	<input type="checkbox"/>		

Historic Sherd Types			
Earthenware		Ironstone	<input type="checkbox"/>
Astbury	<input type="checkbox"/>	Jackfield	<input type="checkbox"/>
Borderware	<input type="checkbox"/>	Mn Mottled	<input type="checkbox"/>
Buckley	<input type="checkbox"/>	North Devon	<input type="checkbox"/>
Creamware	<input type="checkbox"/>	Pearlware	<input type="checkbox"/>
Staffordshire	<input type="checkbox"/>	Tin Glazed	<input type="checkbox"/>
Whiteware	<input type="checkbox"/>	Porcelain	1
Stoneware		English Brown	<input type="checkbox"/>
Eng Dry-bodied	<input type="checkbox"/>	Nottingham	<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	3452	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	330	Unmod faunal <input type="checkbox"/>
Other lithics (all)	7	Oyster shell <input type="checkbox"/>
Ceramics (all)	2	Floral material <input type="checkbox"/>
Rimsherds	<input type="checkbox"/>	Uncommon Obj. <input type="checkbox"/>
		Other <input type="checkbox"/>

Prehistoric Features	
Mound(s)	<input type="checkbox"/>
Midden	<input type="checkbox"/>
Shell midden	<input type="checkbox"/>
Postholes/molds	<input type="checkbox"/>
House pattern(s)	<input type="checkbox"/>
Palisade(s)	<input type="checkbox"/>
Hearth(s)	<input type="checkbox"/>
Lithic reduc area	<input type="checkbox"/>
Storage/trash pit	<input type="checkbox"/>
Burial(s)	<input type="checkbox"/>
Ossuary	<input type="checkbox"/>
Unknown	<input type="checkbox"/>
Other	<input type="checkbox"/>

Lithic Material	
Jasper	<input checked="" type="checkbox"/>
Chert	<input checked="" type="checkbox"/>
Rhyolite	<input checked="" type="checkbox"/>
Quartz	<input checked="" type="checkbox"/>
Quartzite	<input checked="" type="checkbox"/>
Fer quartzite	<input type="checkbox"/>
Chalcedony	<input type="checkbox"/>
Ironstone	<input checked="" type="checkbox"/>
Argilite	<input type="checkbox"/>
Steatite	<input type="checkbox"/>
Sandstone	<input checked="" type="checkbox"/>
Sil sandstone	<input checked="" type="checkbox"/>
European flint	<input type="checkbox"/>
Basalt	<input type="checkbox"/>
Unknown	<input type="checkbox"/>
Other	<input type="checkbox"/>

Dated features present at site

Historic Artifacts		
Pottery (all)	1	Tobacco related <input type="checkbox"/>
Glass (all)	<input type="checkbox"/>	Activity item(s) <input type="checkbox"/>
Architectural	<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 <input type="checkbox"/>
Clothing	<input type="checkbox"/>	Floral material <input type="checkbox"/>
Personal items	<input type="checkbox"/>	Misc. 155
		Other <input checked="" type="checkbox"/> plastic, coal, slag

Historic Features	
Const feature	<input type="checkbox"/>
Foundation	<input type="checkbox"/>
Cellar hole/cellar	<input type="checkbox"/>
Hearth/chimney	<input type="checkbox"/>
Postholes/molds	<input type="checkbox"/>
Paling ditch/fence	<input type="checkbox"/>
Privy/outhouse	<input type="checkbox"/>
Well/cistern	<input type="checkbox"/>
Trash pit/dump	<input type="checkbox"/>
Sheet midden	<input type="checkbox"/>
Planting feature	<input type="checkbox"/>
Road/walkway	<input type="checkbox"/>
Depression/mound	<input type="checkbox"/>
Burial(s)	<input type="checkbox"/>
Railroad bed	<input type="checkbox"/>
Earthworks	<input type="checkbox"/>
Mill raceway	<input type="checkbox"/>
Wheel pit	<input type="checkbox"/>
Unknown	<input type="checkbox"/>
Other	<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:

Site 18BA158, (also known as UMBC-2,3,5,&6 or TDJ - Field N2) is a multicomponent prehistoric site near the Arbutus area of Baltimore County. Middle and Late Archaic components are present, as well as Early, Middle, and Late Woodland occupations. The site covers roughly 5 acres and consists of 4 distinct loci (A/2, B/3, C/5, & D/6). It is situated on a low terrace amidst a gently undulating landscape. Freshwater streams flow to the north, east, and south of the site. Soils at the site are Russett and Sassafras sandy loams.

This site was initially identified in 1904 or 1905 by Talbot D. Jones, an insurance underwriter who was also an active avocational archeologist. He noted that the site extended over an area of about 5 acres. Jones graduated from Johns Hopkins University in 1899 and died in 1926, at which point his collection and field notes were donated to Johns Hopkins. The Jones collection is now curated by the MAC Lab at Jefferson Patterson Park and Museum (JPPM), but is still owned by Johns Hopkins. The T.D. Jones collection includes 14 artifacts from this site.

In 1995, the University of Maryland, Baltimore County (UMBC) was beginning to undertake the construction of the UMBC Research Park and Playfields on the former Wartman-Lurman property (which included Site 18BA158). The area would be impacted by the construction of 4 new buildings, access roads, parking facilities, and two stormwater management ponds, as well as grading for the construction of new sports fields. A combined Phase I/II project was carried out, in compliance with Section 106 of the National Historic Preservation Act and in accordance with Article 83B, Section 5-617 of the Annotated Code of Maryland. The project also was undertaken in accordance with a Memorandum of Agreement (MOA) reached between the Maryland Historical Trust (MHT), the US Dept. of Commerce, UMBC, and Baltimore County.

Survey of the field led to identification of four loci, named Loci A, B, C, and D, or alternatively, as UMBC-2, UMBC-3, UMBC-5, and UMBC-6. Loci A-D will be used here.

Phase I work at the site entailed the excavation of shovel test pits (STPs) in a systematic 15 m grid pattern, along with pedestrian survey. Additional testing was carried out around select positive STPs at 7.5 m intervals when site boundaries were unclear. Shovel tests measured 40 cm in diameter and were excavated to a depth of 10 cm into the B2 horizon, or to a minimum depth of 50 cm below the ground surface. Soil was removed to natural stratigraphy and screened through hardware cloth. The location of each test, the depth of the stratigraphic levels, and the presence or absence of cultural materials was recorded in the field. All soil characteristics, including color and texture, were recorded utilizing standard soil nomenclature and color identification conventions.

Locus A forms the westernmost portion of the site and cultural materials were recovered from 49 of the 54 shovel tests placed there. Prehistoric artifacts recovered from the locus included 3 bifaces, 16 flake tools, 8 cores, and 96 pieces of debitage. The distribution of this material was relatively thin, except for a concentration in the southeastern portion of the locus. Prehistoric artifacts were recovered from the second stratum, below the plowzone, in three shovel tests in this area. Historic artifacts were also recovered, but were randomly distributed across the locus and were primarily recovered from the plowzone. They are not cataloged in the tables above.

Locus B forms the easternmost portion of the site and cultural materials were recovered from 24 of the 39 shovel tests placed there. Prehistoric artifacts from this locus included 2 bifaces, 1 retouched and 8 utilized flakes, and 48 pieces of debitage. The material was concentrated near the crest of a hill and prehistoric materials were recovered from below the A horizon in 7 STPs in the northern portion of the locus (up to 40 cmbs in one STP).

Locus C forms the southernmost portion of Site 18BA158. Cultural materials were recovered from 10 of 12 STPs placed in this area during Phase I work. Prehistoric artifacts recovered included 5 flake tools, 4 cores, 22 pieces of debitage, and a possible fire-cracked rock fragment. Nearly all of this material was from a single shovel test placed in a sloping portion of the locus. The prevalence of tested cobbles and cores, the high percentage of cortical flakes (54%), limited raw material variability, and the large size of recovered flakes indicates that a major focus of activity in this locus was core preparation and primary lithic reduction. The presence of several flake tools suggested that non-lithic resource procurement occurred at the site as well.

Locus D forms the central portion of the site and is situated on a small mid-slope bench surrounded by wetland. Four shovel tests were excavated in this small area, three of which produced artifacts. Two produced only prehistoric artifacts (a core and a utilized flake). One produced only historic artifacts (a single late porcelain sherd). All of the artifacts were recovered from the A horizon, which appeared to be plowzone.

Based on these findings, Phase II work was carried out immediately in three of the four loci at 18BA158: at Loci A, B, and C. No further work was recommended in Locus D due to the paucity of material recovered there.

Phase II evaluation at the site included the placement of 1 X 1 m test units within areas in which shovel tests produced concentrations of prehistoric artifacts that were deeply buried, highly concentrated, or functionally discrete. Test units were placed on a Cartesian grid following the STP grid pattern established during the Phase I survey. In Locus A, six locations were selected for test unit excavations. Two of these were within the area of densest artifact concentration and potentially stratified artifacts located in the southeastern portion of the locus. A total of 7 locations were selected for test unit excavations in Locus B. Three of these were within the northern portion of the locus, where the prehistoric artifacts were most densely concentrated and potentially stratified. Phase II work in Locus C entailed the placement of two 1.5 X 1.5 m test units: one within the single concentration of lithic debris identified during Phase I shovel testing and one on the floodplain where a light scatter of artifacts was identified and buried materials might be present.

Test units were excavated in 10 cm levels within natural stratigraphic horizons and screened through hardware cloth. Soil characteristics were recorded using standard nomenclature and methods on standardized forms. A representative stratigraphic profile for each test unit was drawn and photographed.

The preponderance of prehistoric artifacts (97.91%) were concentrated within the plowzone in each of the six test units placed in Locus A. The densest concentration of materials was in the southern portion of the locus. The few artifacts recovered from below the plowzone came from the eastern portion of the locus, where Phase I STPs had indicated potentially buried deposits. The vertical location of these materials now appears to have resulted from post-depositional downward movement of artifacts within the soil column. The only feature encountered in this locus was a trench for a ceramic drainpipe. It was thought to be associated with nearby Site 18BA445 based on the presence of mostly late 19th century materials in the feature fill.



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Unknown

A total of 719 prehistoric artifacts were recovered from the six test units in Locus A. This sub-assemblage included 6 bifaces, 27 flake tools, 3 cores, 537 pieces of debitage, 3 hammerstones, and 132 pieces of fire-cracked rock. Among the bifaces were a contracting stemmed point characteristic of the Late Archaic/Early Woodland interface and a quartz Potomac point. The dominant raw materials at the site were locally available quartz and quartzite. Rhyolite was the only non-local material comprising a significant amount of debitage. Trace amounts of chert, silicified sandstone, jasper, and ironstone were present. A total of 107 historic artifacts (cataloged in the table above as "miscellaneous" items) were recovered from the locus during Phase II testing. All of this material was recovered from the plowzone and was evenly distributed across the locus.

Locus A appears to represent a palimpsest of occupations dating from the Late Woodland and possibly Late Archaic periods. It is possible that this portion of 18BA158 originally extended onto the crest of the hill northeast of the site where athletic fields are situated. The frequency of artifacts varied across the site, but artifacts were concentrated almost entirely within the plowzone throughout.

Prehistoric artifacts were concentrated within the plowzone in all 7 test units in Locus B, with the largest number of artifacts coming from those units situated near the crest of the hill. This material accounted for nearly 63% of the prehistoric material recovered from Locus B. The cultural materials recovered from deep within a few shovel tests placed near the crest of the hill during Phase I testing were apparently the result of post-depositional artifact movement downward in the soil column. The remains of a lithic reduction area were encountered in the southeastern portion of the locus, but the central portion of the locus was essentially devoid of artifacts.

A total of 580 prehistoric artifacts were recovered from Locus B. The assemblage included 2 projectile points, 4 projectile point fragments, 2 biface fragments, 19 flake tools, 9 cores, 483 pieces of debitage, 2 hammerstones, 57 pieces of fire-cracked rock, and 2 ceramic sherds. One of the projectile points is a probable Early Woodland Vernon point, while the other is similar to the Middle Woodland Snyders point. The debitage was dominated by quartz and quartzite, with very small amounts of rhyolite, chert, amphibolite, and ironstone. The two ceramic sherds recovered are too eroded and fragmentary to permit identification.

Locus B appears to represent a series of brief occupations minimally dating from the Late Archaic to Early or Middle Woodland periods. The overall character of the assemblage is indicative of a resource procurement camp in which activities included primary and secondary lithic reduction, stone tool maintenance, and possibly the working of bone or wood. The relative dearth of evidence for features at the site, the moderate diversity of the assemblage, and the dispersed nature of the prehistoric debris suggest that its use was brief.

A total of 4.5 m² of Locus C was excavated during Phase II work. The oversized test units used in this area (1.5 X 1.5 m in extent) were necessitated by the depth of the cultural deposits on the floodplain. The small size of the locus allowed the excavation of larger units without sacrificing knowledge about the spatial distribution of material within the site. The prehistoric artifacts from the unit placed on the slope (see above) were concentrated within the plowzone. Just over 60% of the prehistoric artifacts from the test unit on the floodplain were recovered from the mass-wasted colluvium from the slope above. A large portion of the remaining artifacts were concentrated in the B horizon, below the Ab or Apb horizon buried by the colluvium.

A total of 2,287 prehistoric artifacts were recovered during Phase II work in Locus C. The assemblage included 2 projectile points, 2 biface fragments, 23 flake tools, 98 cores, 1,714 flakes, 306 pieces of block/shatter, 2 hammerstones, and 140 pieces of fire-cracked rock. One of the projectile points recovered was morphologically similar to the Middle Archaic Stanley or Neville types. The other is a Late Woodland triangular type. The debitage was comprised almost entirely from quartz and quartzite, with chert and ironstone accounting for an extremely small proportion. A total of 48 historic artifacts also were recovered from Locus C. The character of this material is consistent with that found scattered on agricultural fields throughout the eastern portion of the UMBC project area.

Locus C represented the mixed remains of a quarry-related site dating from the Middle Archaic and Late Woodland periods. Most of the site had been destroyed by plowing and the gradual mass-wasting of sediments downhill onto the floodplain.

Loci A and B of Site 18BA158 were both multi-component, multiple activity resource extraction sites, minimally dating from the Late Archaic and Late Woodland periods. Locus B was characterized by a slightly greater degree of early stage lithic reduction while secondary reduction appears to have predominated in Locus A. Nearly all of the prehistoric artifacts recovered from both sites were from the plowzone. Locus C was characterized by quarry-related/early stage lithic reduction activities dating from the Middle Archaic and Late Woodland periods. Mass-wasting of sediments off the hillside onto the floodplain portion of the site compromised the integrity of that area. Based on these findings, Site 18BA158 does not appear to possess integrity and significant research potential.

External Reference Codes (Library ID Numbers):

00005536