



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18CH745

Site Name: P-LJB-39

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

Terminal Archaic/Early Woodland transitional (Rossville) lithic scatter

Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 11

SCS soil & sediment code AuD3

Latitude 38.6280

Longitude -77.0229

Physiographic province Western Shore Coastal

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
- 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) Unnamed tributary of Matta

- | 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 76 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
- Unknown prehistoric context

- Contact period site
- ca. 1820 - 1860
- ca. 1630 - 1675
- ca. 1675 - 1720
- ca. 1720 - 1780
- ca. 1780 - 1820
- Unknown historic context
- Unknown context
- ca. 1820 - 1860
- ca. 1860 - 1900
- ca. 1900 - 1930
- Post 1930

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?
 - 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

Flotation samples taken 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"/>
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		Stoneware	
Earthenware	Ironstone <input type="checkbox"/>	Staffordshire <input type="checkbox"/>	English Brown <input type="checkbox"/>
Astbury <input type="checkbox"/>	Jackfield <input type="checkbox"/>	Tin Glazed <input type="checkbox"/>	Eng Dry-bodied <input type="checkbox"/>
Borderware <input type="checkbox"/>	Mn Mottled <input type="checkbox"/>	Whiteware <input type="checkbox"/>	Nottingham <input type="checkbox"/>
Buckley <input type="checkbox"/>	North Devon <input type="checkbox"/>	Porcelain <input type="checkbox"/>	Rhenish <input type="checkbox"/>
Creamware <input type="checkbox"/>	Pearlware <input type="checkbox"/>		Wt Salt-glazed <input type="checkbox"/>

All quantities exact or estimated minimal counts

Other Artifact & Feature Types:

Prehistoric Artifacts			
Flaked stone	573	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	22	Unmod faunal	<input type="checkbox"/>
Other lithics (all)	8	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"/>
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 type="checkbox"/>	Fer quartzite	<input type="checkbox"/>
Chert	<input checked="" type="checkbox"/>	Sil sandstone	<input type="checkbox"/>
Rhyolite	<input checked="" type="checkbox"/>	Chalcedony	<input type="checkbox"/>
Quartz	<input checked="" type="checkbox"/>	European flint	<input type="checkbox"/>
Quartzite	<input checked="" type="checkbox"/>	Ironstone	<input type="checkbox"/>
		Basalt	<input type="checkbox"/>
		Argilite	<input type="checkbox"/>
		Unknown	<input type="checkbox"/>
		Steatite	<input type="checkbox"/>
		Other	<input checked="" type="checkbox"/>
		Sandstone	<input checked="" type="checkbox"/>
		metamorphic	<input type="checkbox"/>

Dated features present at site

Historic Artifacts			
Pottery (all)	<input type="checkbox"/>	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 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.	<input type="checkbox"/>
		Other <input type="checkbox"/>	<input type="checkbox"/>

Historic Features			
Const feature	<input type="checkbox"/>	Privy/outhouse	<input type="checkbox"/>
Foundation	<input type="checkbox"/>	Well/cistern	<input type="checkbox"/>
Cellar hole/cellar	<input type="checkbox"/>	Trash pit/dump	<input type="checkbox"/>
Hearth/chimney	<input type="checkbox"/>	Sheet midden	<input type="checkbox"/>
Postholes/molds	<input type="checkbox"/>	Planting feature	<input type="checkbox"/>
Paling ditch/fence	<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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Brief

Description:

Terminal Archaic/Early Woodland transitional (Rossville) lithic scatter

Unknown

External Samples/Data:

Collection curated at

Additional raw data may be available online

Summary Description:

Site 18CH745 (P-LJB-39) is a prehistoric site located in northern Charles County, Maryland that appears to be the remnants of a Terminal Archaic/Early Woodland prehistoric lithic scatter. The site is situated on a colluvial slope or apron adjacent to a small, intermittent tributary of Mattawoman Creek, which borders its southern edge. The site setting is predominantly wooded, with a section of residential lawn in the north-central portion of the site. The lawn area has been disturbed by residential and septic system construction and includes a shed and piles of residential debris. Several abandoned cars have been noted outside the site's northwest boundary. Soils at the site are of the Grosstown-Marr-Hoghole complex.

The site was first identified during Phase I survey in 2004 as part of a liquefied natural gas (LNG) pipeline project in Calvert, Charles, and Prince George's Counties. The proposed construction work involved the installation of a 36-inch pipeline over 48 miles of right-of-way, as well as construction of ancillary facilities (e.g. pipeyards and access roads). As such, Phase I and, in some cases, Phase II work was conducted throughout the pipeline right-of-way and in other areas that might be impacted by the construction. Four total episodes of Phase I and II archeological excavations were conducted at 18CH745 due to its location along both the original pipeline right-of-way (ROW) and along an alternative southern ROW proposed in 2005. These four rounds of Phase I-II work resulted in the excavation of 162 STPs (62 positives) and seven 1 X 1 m test units, yielding 606 prehistoric artifacts. Analysis of these artifacts will be discussed below as a single group, following a brief description of each project.

Phase I work in the original pipeline ROW began in 2004 and involved the excavation of 3 transects of 15 meter interval shovel tests across this colluvial slope. STPs measured approximately 50 cm in diameter, and were excavated in natural soil horizons 15 cm into sterile subsoil. Excavated soils were screened through hardware mesh. Seven consecutive positive shovel tests within two transects yielded 12 prehistoric lithic artifacts. No diagnostic artifacts were recovered and no prehistoric cultural features were identified. Phase I shovel testing defined site dimensions of 15 meters north/south and 120 meters east/west. Based on Phase I investigations, stratigraphy at 18CH745 appeared to consist of a simple sandy loam A-B1-B2 soil horizon sequences. Artifacts were recovered from the A and B1 horizons. Based on these findings, the site was initially interpreted as the remains of several short Native American occupations. Since the site could not be avoided during pipeline construction, Phase II testing was recommended.

Phase II work was conducted in May of 2005 and included additional shovel testing as well as the excavation of 1 X 1 m test units. A grid was established using a total station and the centerline of the ROW as an arbitrary east-west axis. Phase II testing began with the excavation of 8 transects of shovel tests at 5 meter intervals in the area of positive Phase I shovel tests to clarify site boundaries and internal artifact distributions. The same methods for STP excavation were utilized in this study. Of the 81 shovel tests excavated, 21 were positive, yielding 38 lithic artifacts. Shovel test artifact density was generally low, but based on this work, the boundaries of the site were expanded to 30 X 125 meters.

Following Phase II shovel testing, researchers excavated two 1 X 1 m test units in areas of higher artifact density. Test units were hand-excavated by arbitrary 10 cm levels within natural strata to a minimum depth of 10 cm into the B horizon and 10 cm below the last recovered artifact. Test unit excavations produced 57 artifacts, for a Phase II artifact total of 95 lithic artifacts. Most of the artifacts from the test units were in what appeared to be disturbed contexts or the Ap horizon.

In May of 2005, an alternate re-routing of the aforementioned LNG pipeline was proposed, resulting in re-examination of the eastern edge of 18CH745 as well as points to the south of the originally defined site boundaries. A second Phase I survey was conducted in this area and consisted of the excavation of two transects of 15 meter interval shovel tests. The same methods were utilized in this area as were followed in the previous Phase I and II studies. Three of these STPs were positive, yielding 5 lithic artifacts. In order to further delineate site boundaries, researchers excavated 12 radial STPs at 5 meter intervals around the initial findspots, for a total of 17 Phase I STPs. In all, ten positive STPs produced 34 lithic artifacts. No diagnostic artifacts and no prehistoric cultural features were identified. This work resulted in expansion of the site boundaries an additional 35 meters to the southeast. Again, since the site could not be avoided if this re-route was chosen, Phase II work needed to be conducted.

Additional Phase II work was conducted in August of 2005 utilizing the same methods employed in the previous Phase II work. This work included close-interval shovel testing and test unit excavations. Six transects of 5 meter interval STPs, extending from the Phase I findspots westward to the previous site boundary. Of the 63 STPs excavated, 24 positive STPs produced 63 lithic artifacts. This phase of work resulted in expanded total site dimensions of 40 X 185 meters. Five 1 X 1 meter test units were excavated to further investigate areas of higher artifact density identified by shovel testing. Test unit excavations yielded an additional 399 lithics.

Based on Phase II testing, the typical stratigraphic profile at the site consists of an A1-A2-E-BE-Bt soil horizon sequence. The presence of strongly formed profiles indicates that the ground surface has been stable for a minimum of 2,000 to 5,000 years. Shallow cultivation may have disturbed the upper portion of the profile. Localized disturbance was indicated in the north-central part of the site. The site exhibited no evidence of buried soils.

All four stages of excavation at 18CH745 produced 603 prehistoric lithic artifacts, consisting of 2 projectile points, 11 bifaces, 11 cores, 549 pieces of debitage, 5 hammerstones, 3 unmodified stream cobbles transported to the site, and 22 fragments of fire-cracked rock. Quartz was used to manufacture two-thirds (401) of the recovered artifacts, while quartzite accounted for nearly one-third (183), with only small amounts of chert (16), metamorphic rock (1), rhyolite (1), and sandstone (1) being utilized. Nearly one-third of the tools and debitage exhibit cobble cortex. Block cortex is observed on only one specimen. The remaining two-thirds lack cortex entirely. This suggests that lithic raw materials were collected largely from secondary stream deposits, rather than from primary bedrock sources.

The only diagnostic projectile point recovered is a Terminal Archaic/Woodland Rossville point. It was found in the A2 (possible plowzone) horizon. The other bifaces were an untyped point, 3 early-stage bifaces, 3 middle-stage bifaces, 3 late-stage bifaces, and 2 indeterminate biface fragments.

Spatially, the discontinuous character of the artifact scatter at 18CH745, and its relatively large size suggest that the site represents the remains of multiple prehistoric occupations. The eastern portion of the site contains at least one component dating to the Terminal Archaic/Early Woodland period. The absence of ceramic sherds, groundstone tools, and expedient chipped stone tools suggests that the site had a singular focus; lithic reduction. Although the site has moderate integrity, its generally low artifact density, extensive size, limited variety of artifact types, and lack of identified cultural features indicate that it has little potential to yield significant information on local and regional prehistory. It is likely that additional work at this site would yield redundant results.

MARYLAND
HISTORICAL



TRUST

Phase II and Phase III Archaeological Database and Inventory

Site Number:

Site Name:

Prehistoric

Other name(s)

Historic

**Brief
Description:**

Unknown

External Reference Codes (Library ID Numbers):