



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18CV452

Site Name: P-LJB-22

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

Prehistoric lithic scatter

## Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 9

SCS soil & sediment code My

Latitude 38.5046

Longitude -76.5725

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 Battle

- | 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 10 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

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

### Ethnic Associations (historic only)

- Native American
- African American
- Anglo-American
- Hispanic
- Asian American
- Unknown
- Other

Unknown prehistoric context

Unknown context

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"/>	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

<b>Earthenware</b>		Ironstone	<input type="checkbox"/>	Staffordshire	<input type="checkbox"/>	<b>Stoneware</b>	
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"/>	<b>Porcelain</b>	<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	<input type="checkbox"/> 35	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)	<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"/>

### 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 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)	<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"/>

### 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

Additional raw data may be available online

## Summary Description:

Site 18CV452 (P-LJB-22) is a lithic scatter site of unknown prehistoric affiliation located south of Prince Frederick in Calvert County, Maryland. The site is situated in a wooded area on a floodplain drainage divide at the head of a tributary to Battle Creek. Soils at the site are predominantly of the Downer-Woodstown 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.

In the vicinity of Site 18CV452, this work entailed the excavation of 4 shovel test pits (STPs) at 15 m intervals on the floodplain landform within the proposed right-of-way (ROW) for the LNG pipeline. 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. Two of these STPs were positive, yielding a total of six prehistoric flakes. In order to better delineate site boundaries, the researchers excavated 6 radial STPs in a 5 m grid around the initial positive finds, for a total of 10 STPs. An additional 5 flakes were recovered from the STPs, and one more was surface collected for a total of 12 prehistoric lithics recovered during Phase I work at 18CV452.

Based on these findings, Site 18CV452 was determined to be the remains of a Native American encampment along this small tributary creek. Researchers recommended avoidance or Phase II testing. Ultimately, Phase II testing was carried out because the LNG pipeline could not be altered in such a way that it avoided the site.

Phase II work was conducted in late March of 2005. A grid was established, with the north-south baseline oriented along the trajectory of the proposed LNG pipeline. True North is oriented approximately 45° northeast of grid north. Phase II fieldwork included close-interval STP excavation across the site, and the excavation of three formal test units. A total of 15 STPs were excavated at 5 m intervals across the site, failing to yield additional artifacts. This supplemental Phase II shovel testing therefore confirmed the original Phase I site dimensions of 27.5 m east-west by 7.5 m north-south (approximately .05 acres).

In addition to the 15 STPs, Phase II fieldwork included the excavation of three 1 X 1 m test units. Test units were hand-excavated by arbitrary 10 cm levels within natural strata to a minimum depth of 10 cm into sterile soil and 10 cm below the last recovered artifact. All soils were screened through hardware cloth. The three test units were judgmentally placed adjacent to the two Phase I positive STPs. Excavation of the three test units revealed an additional 23 lithic artifacts from two of the test units. The third unit was culturally sterile. No diagnostic artifacts indicate of the site's age were recovered. No features were encountered, but the test unit excavation did indicate a moderate-density lithic concentration in the southwest portion of the site, furthest from the tributary stream.

Each of the three test units contained a similar profile, including an A/E-BE-Bw horizon sequence. The A/E horizon extended to a depth of 15 cm below surface, while the BE and Bw horizons extended from 15-40 cm and 40-60+ cm respectively. Phase II test unit excavations recovered artifacts from the upper portion of the soil profile, including the A/E (7 artifacts) and BE (16 artifacts) horizons. No artifacts were recovered from the basal Bw horizon. The presence of the artifact peak in the BE horizon, rather than the surface A/E horizon, indicating that the BE horizon may represent a former ground surface overprinted by the current soil horizon development. This implies a small degree of alluviation due to sediment deposited from the nearby creek.

The combined Phase I/II assemblage from 18CV452 consisted of 35 lithic artifacts, including 31 flakes, 2 pieces of shatter, and two middle-stage biface fragments. Quartz lithic tool production was clearly the focus of site activities, accounting for 21 of the 35 artifacts from the site. Quartzite (5) and untyped chert (5), as well as rhyolite (4), comprise the remainder of the assemblage. Based on these data, local lithic raw materials comprise 88.6% of the artifacts, with rhyolite (11.4%) from north-central Maryland or south-central Pennsylvania the only non-local lithic material recovered from the site.

Site 18CV452 is a small Native American lithic scatter or short-term camp of unknown age. The site's undated status, its low artifact density, and the apparent lack of features indicate that its information potential is poor. The site does retain good integrity, as reflected by the undisturbed soil profile documented in Phase II test units. However, due to low information potential, the site was not deemed capable of answering significant research questions related to Maryland prehistory and the subsequent construction of the LNG pipeline likely resulted in significant impacts to the site. It should not be considered a significant archeological resource.

## External Reference Codes (Library ID Numbers):

97002596