



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18CR196

Site Name: LS-1

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

Late Archaic steatite quarry, processing station

## Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 14

SCS soil & sediment code

Latitude 39.4120

Longitude -76.9528

Physiographic province Eastern Piedmont

Terrestrial site

Underwater site

Elevation 195 m

Site slope

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 stream

#### Saltwater

Ocean

Estuary/tidal river

Tidewater/marsh

#### Freshwater

Stream/river

Swamp

Lake or pond

Spring

Minimum distance to water is 300 m

## Temporal & Ethnic Contextual Data:

Paleoindian site

Woodland site

Contact period site

ca. 1820 - 1860

Archaic site

MD Adena

ca. 1630 - 1675

ca. 1860 - 1900

Early archaic

Early woodland

ca. 1675 - 1720

ca. 1900 - 1930

Middle archaic

Mid. woodland

ca. 1720 - 1780

Post 1930

Late archaic

Late woodland

ca. 1780 - 1820

Unknown historic context

Unknown prehistoric 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
- 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

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

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

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	4	Other fired clay	<input type="checkbox"/>
Ground stone	<input type="checkbox"/>	Human remain(s)	<input type="checkbox"/>
Stone bowls	2	Modified faunal	<input type="checkbox"/>
Fire-cracked rock	1	Unmod faunal	<input type="checkbox"/>
Other lithics (all)	346	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

Fer quartzite	<input type="checkbox"/>	Sil sandstone	<input checked="" type="checkbox"/>
Jasper	<input type="checkbox"/>	Chalcedony	<input type="checkbox"/>
Chert	<input type="checkbox"/>	Ironstone	<input type="checkbox"/>
Rhyolite	<input checked="" type="checkbox"/>	Argilite	<input type="checkbox"/>
Quartz	<input checked="" type="checkbox"/>	Steatite	<input checked="" type="checkbox"/>
Quartzite	<input checked="" type="checkbox"/>	Sandstone	<input 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)	<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.	1
		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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Late Archaic steatite quarry, processing station

Unknown

## External Samples/Data:

Collection curated at MAC

Additional raw data may be available online

## Summary Description:

The LS-1 Site (18CR196) is located near the town of Eldersburg in southern Carroll County, Maryland. The site is a Late Archaic steatite quarry and processing station. It is situated on level to moderately sloping terrain characterized by rolling fallow agricultural fields along an intermittent stream. Several springs are also located nearby, which drain into a small lake. Soils at the site are primarily of the Glenelg series.

The site was first discovered during a Phase II examination in 1991, conducted prior to the construction of a new business park and industrial plant; the London Square Business Park. The Maryland Historical Trust requested that archeological investigations be undertaken in the approximately 35 acre portion of the development that included a known steatite quarry; the Bevard Farm Soapstone Quarry (18CR18). During the course of those investigations, an isolated area of steatite quarrying activity was encountered northwest of site 18CR18 and initially designated "Area 2". Field methods during the 1991 testing consisted of surface reconnaissance, systematic shovel testing, and excavation of test units. During surface reconnaissance of the entire 35 acre site, Area 2 was recognized as a "high probability" locale for prehistoric activity despite its location outside the presumed boundaries of the known site (18CR18). Area 2 was situated on a ridge overlooking an area that was characterized as "swampy" prior to historic drainage efforts and siltation from plowing. Shovel testing was conducted at 18CR18 along transects to more precisely define the boundaries of the site. The shovel testing did indeed demonstrate that the site had discrete boundaries that did not include Area 2. However, researchers decided to test Area 2 anyway and the results of additional shovel testing resulted in the definition of a second site given the number 18CR196.

The shovel test survey that identified the LS-1 Site (18CR196) consisted of 43 STPs excavated at 20 meter intervals on 6 transects spaced 20 meters apart. Shovel testing on this ridge was confined by 15% or greater slopes, and by the shovel tests lacking cultural artifacts. In general, testing on these transects continued until at least 3 negative tests were encountered, or until a prolonged steep slope was reached. Positive shovel tests were determined to be those that contained demonstrable artifacts or that contained worked or unworked soapstone/steatite fragments. STPs measured 35 cm in diameter and were excavated to 40cm, or 10 cm into sterile subsoil. Soils were removed by natural strata and sifted through hardware cloth. Of the 43 STPs excavated, 6 contained prehistoric artifacts, and 9 others contained unworked steatite. The prehistoric artifacts included unmodified quartz and quartzite flakes, two steatite vessel fragments, a burnishing stone, and one fragment of fire-cracked rock. With the exclusion of a large steatite vessel fragment found on the surface, all of the artifacts were recovered from the Ap horizon.

Three 50 X 50 cm test units were established and excavated to examine soil stratigraphy and to collect a larger sample of representative artifacts. Test units were excavated by natural levels to at least 10 cm into sterile soil strata. Soil was screened and representative profiles were drawn and photographed. No prehistoric cultural features were present in any of the units and 1 amorphous ironstone biface was the only artifact recovered from any of these units. One test unit revealed the degree to which plowing had disturbed the site, and in part explains the volume of unworked steatite recovered from here and from nearby 18CR18 (see the 18CR18 synopsis report). In this portion of the site plowing had actually continued down onto the steatite bedrock. That material clearly has been increasingly exposed due to sheet erosion off of the sides of the ridges found on the property.

Prehistoric artifacts encountered at the site include the ironstone biface, 1 quartzite flake, 2 quartz flakes, a fire-cracked piece of silicified sandstone, a silicified sandstone burnishing tool, and 2 steatite vessel fragments. In addition, 345 steatite fragments and a piece of historic slag were also collected. No diagnostic materials were identified during the Phase II excavations making chronological assignments difficult. The presence of steatite stone bowls would suggest a probable link to the Late Archaic. However, as nearby site 18CR18 demonstrates, the quarrying and use of steatite in the general area is in evidence from Middle Archaic through Late Woodland times.

Unfortunately, Site 18CR196 has been subjected to historic plowing and to recent development improvements that have destroyed its integrity and research potential. The London Square Business Park parcel was plowed and eroded during the Bevard family's ownership of the property. In places, this plowing continued down to underlying bedrock. After the Bevards sold the family farm, the project area was impacted by grading and by the rerouting of a drainage associated with construction of the adjacent factory. These impacts have totally compromised the integrity of the prehistoric site and it is not possible to differentiate occupations either chronologically or functionally. Thus, Site 18CR196 has no remaining research potential.

## External Reference Codes (Library ID Numbers):

00005381