



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18BA431

Site Name: Lyonsfield I

Prehistoric

Other name(s)

Historic

Brief Description:

prehistoric lithic scatter

Unknown

Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 14

SCS soil & sediment code

Latitude 39.3923

Longitude -76.8219

Physiographic province Eastern Piedmont

Terrestrial site

Underwater site

Elevation m Site slope 0

Ethnobotany profile available Maritime site

Nearest Surface Water

Name (if any) Unnamed tributary of Red

Saltwater

Freshwater

Ocean

Stream/river

Estuary/tidal river

Swamp

Tidewater/marsh

Lake or pond

Spring

Minimum distance to water is 15 m

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

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

Bldg or foundation

Isolated burial

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	1037	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)	1	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"/>
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 type="checkbox"/>
Argilite	<input type="checkbox"/>
Steatite	<input type="checkbox"/>
Sandstone	<input type="checkbox"/>
Sil 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.	<input type="checkbox"/>
		Other <input type="checkbox"/>	<input type="checkbox"/>

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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Prehistoric

Other name(s)

Historic

Brief

Description:

prehistoric lithic scatter

Unknown

External Samples/Data:

Collection curated at MAC Lab

Additional raw data may be available online

Summary Description:

The Lyonsfield I Site (18BA431) is a prehistoric lithic scatter representing a short-term resource procurement camp. Lithic material from the site indicated a primary function as a prehistoric quarry where local quartz and quartzite was processed. The site is located near Owings Mills in Baltimore County, Maryland near an unnamed tributary of Red Run. It measures approximately 50 x 90 meters. A typical stratigraphic profile for the site shows a well-developed dark brown (10YR3/3) silt loam A horizon (10 cm) underlain by a very pale brown (10YR7/4) silty clay mottled with yellow (10YR7/6) clay B horizon. Although the site does not appear to have been subjected to major agricultural disturbance, there is evidence of recent logging and subsequent erosion over significant portions of the site and deep road scars run north-south along the western periphery of the site. Trees averaging 25 years of age in the roadway indicate its abandonment at least that long ago.

Archival investigation revealed that no prehistoric or historic archeological sites had been recorded within and in the immediate vicinity of the site area prior to archeological investigations in 1993. There was, however, considerable activity in the larger area during those times. The nearest sites were recorded over 0.5 km away from Site 18BA431. Prehistoric and historic sites were identified during surveys to the north and east of the site; a total of 19 previously recorded prehistoric sites were located within the Red Run drainage.

Phase I and Phase II archeological investigations were undertaken at the site in 1993 ahead of development at the proposed Villages of Lyonsfield Run residential subdivision location. The survey was required as a condition of approval of a wetlands permit from the US Army Corps of Engineers. The objectives of the study were to identify all archeological resources within the designated area of potential effects, to review those results in light of specific historic contexts, to evaluate the potential significance of those resources, applying National Register of Historic Places criteria, and to establish impacts and mitigation needs for any significant sites or components. These objectives were met through a combination of archival investigation, archeological fieldwork, and analysis.

The designated area of potential effect (the project area) encompassed an approximately 6.94 hectare (17.14 ac) portion of the total 75 hectare (185 ac) proposed development site. The project area was bordered by undeveloped woodlot to the south and the southwest, by residential properties to the north, and by Lathe Road to the east. The project area consisted of 3 contiguous areas: Area A was a 0.44 ha area located within a wooded tract bounded to the north by a small tributary of Red Run; Area B was a 0.46 ha tract located about 240 m northwest of Area A in a gently sloping woodlot bounded to the south by a deeply cut tributary of Red Run; Area C was a 6.04 ha tract located between those two tributaries on a low ridge that runs from west to east.

Phase I field investigations consisted of systematic shovel test pit (STP) excavations placed within a 20 m grid across each of the survey areas with close interval shovel testing (5 m) around positive STPs. Soils were removed by natural strata and screened through 0.635 cm (0.25 in) hardware mesh. Phase II investigations entailed close-interval shovel testing (5 m intervals in Area A and 10 m intervals in Areas B and C) and the excavation of 1 m² test units. The soil from test units was first screened through 0.635 cm mesh then all screened residue was retained for water screening. During the analysis of the Phase I assemblage from Areas A, B, and C, quartz and quartzite were combined under the rubric 'quartz'. This also applied to the Phase II, Area A assemblage; however, during the analysis of the Phase II assemblages from Areas B and C the materials were divided into quartz and quartzite.

Three prehistoric sites (18BA431, 18BA432, and 18BA433) were identified during the Phase I testing; Site 18BA432 was a small processing site and 18BA433 was a larger quarry/processing site with a more intensive occupation component. Site 18BA431 was recognized in the single positive STP and an adjacent test unit excavated in Area A. It was located in the central portion of the study area and extended south along the proposed approaches to the stream crossing. Outcroppings of quartz/quartzite boulders were visible within the site area and extended east of Lathe Road. No cultural features were found. A total of 56 lithic artifacts were recovered during the Phase I testing: 49 quartz flakes and shatter, 4 quartz cores, 1 chert microblade core, and 2 utilized quartz flakes.

Of the 110 shovel tests excavated during the Phase II testing of Site 18BA431, 44 were positive for prehistoric materials. Prehistoric materials were also recovered from the surface of the site. Nine test units, placed in concentrations of lithic material defined by the shovel tests, were also excavated across the site. A total of 982 artifacts were collected during the Phase II investigations: 955 pieces of quartz debitage, 3 rhyolite flakes, 10 quartz cores ranging in size from 18.1 g to 1,383.4 g, 1 sandstone hammerstone, 11 utilized flakes, and 2 small quartz amorphous bifaces. None of this material was temporally or culturally diagnostic.

Prehistoric activity at the site appeared to have been concentrated to the west of a large quartz outcrop that was visible on the surface. The distribution of the worked cores and debitage formed a narrow elliptical pattern that extended from the terrace slope onto the toeslope and flood plain of the southern drainage. There was minimal evidence of horizontal differentiation across the site. Quarry-related debris was recovered on both the terrace slope and the floodplain. The assemblage also lacked vertical stratification. The worked quartz artifacts were primarily limited to the A horizon and the first 10 cm of the B horizon. The lack of deep stratification, combined with the evidence for sheet erosion, gulying, and historic road impacts indicated that the site's cultural material has been subject to extensive post-depositional movement.

The Lyonsfield I Site (18BA431) has been identified as a prehistoric quartz and quartzite quarrying and processing site. No temporally diagnostic artifacts were recovered as a result of archeological testing and no cultural features were observed. Due to a lack of both integrity and important information potential, this archeological property is not eligible for the National Register. No further archeological work is recommended at Site 18BA431.

External Reference Codes (Library ID Numbers):

00005516