



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18AN1163

Site Name: Diffendal

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

late 19th-late 20th century house site

## Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 7

SCS soil & sediment code

Latitude 39.1708

Longitude -76.7014

Physiographic province Western Shore Coastal

Terrestrial site

Underwater site

Elevation 40 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 tributary of Piney

- | 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 244 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. 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

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? 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
  - buried double cellar

## Interpretive Sampling Data:

Prehistoric context samples Soil samples taken

Flotation samples taken  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		Koens-Crispin	
Clovis	<input type="checkbox"/>	Perkiomen	<input type="checkbox"/>
Hardaway-Dalton	<input type="checkbox"/>	Susquehana	<input type="checkbox"/>
Palmer	<input type="checkbox"/>	Vernon	<input type="checkbox"/>
Kirk (notch)	<input type="checkbox"/>	Piscataway	<input type="checkbox"/>
Kirk (stem)	<input type="checkbox"/>	Calvert	<input type="checkbox"/>
Le Croy	<input type="checkbox"/>	Selby Bay	<input type="checkbox"/>
Morrow Mntn	<input type="checkbox"/>	Jacks Rf (notch)	<input type="checkbox"/>
Guilford	<input type="checkbox"/>	Jacks Rf (pent)	<input type="checkbox"/>
Brewerton	<input type="checkbox"/>	Madison/Potomac	<input type="checkbox"/>
Otter Creek	<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	4	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	13	Eng Dry-bodied	<input type="checkbox"/>
Buckley	<input type="checkbox"/>	North Devon	<input type="checkbox"/>	<b>Porcelain</b>	3	Nottingham	<input type="checkbox"/>
Creamware	<input type="checkbox"/>	Pearlware	1			Rhenish	<input type="checkbox"/>
						Wt Salt-glazed	<input type="checkbox"/>

All quantities exact or estimated minimal counts

## Other Artifact & Feature Types:

Prehistoric Artifacts		Other fired clay	
Flaked stone	<input type="checkbox"/>	Human remain(s)	<input type="checkbox"/>
Ground stone	<input type="checkbox"/>	Modified faunal	<input type="checkbox"/>
Stone bowls	<input type="checkbox"/>	Unmod faunal	<input type="checkbox"/>
Fire-cracked rock	<input type="checkbox"/>	Oyster shell	<input type="checkbox"/>
Other lithics (all)	<input type="checkbox"/>	Floral material	<input type="checkbox"/>
Ceramics (all)	<input type="checkbox"/>	Uncommon Obj.	<input type="checkbox"/>
Rimsherds	<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 type="checkbox"/>
Jasper	<input type="checkbox"/>	Chalcedony	<input type="checkbox"/>
Chert	<input type="checkbox"/>	Ironstone	<input type="checkbox"/>
Rhyolite	<input type="checkbox"/>	Argilite	<input type="checkbox"/>
Quartz	<input type="checkbox"/>	Steatite	<input type="checkbox"/>
Quartzite	<input 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		Tobacco related	
Pottery (all)	32	Activity item(s)	23
Glass (all)	295	Human remain(s)	<input type="checkbox"/>
Architectural	432	Faunal material	<input checked="" type="checkbox"/>
Furniture	1	Misc. kitchen	55
Arms	1	Floral material	<input type="checkbox"/>
Clothing	<input type="checkbox"/>	Misc.	521
Personal items	2	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 checked="" 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 checked="" 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 checked="" 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 MAC

Additional raw data may be available online

## Summary Description:

Diffendal (18AN1163) is the site of a late 19th-late 20th century house near Hanover in northern Anne Arundel County, Maryland. The site is situated on and surrounding a wooded knoll above an unnamed tributary of Piney Run, just west of the Baltimore Washington International (BWI) Airport. The site was forested with some heavy underbrush when it was first discovered in 1999. Soils at the site are primarily Sassafras fine sandy loams, and soils of the Russett-Christiana-Hambrook complex.

The site was first identified in 1999 as the result of a Combined Phase I/II investigation of a 116 acre area either owned or of interest to the Maryland Aviation Administration west of the BWI Airport. The work was conducted in the fall of that year to determine the impact of potential development of the area, related to airport operations. The nature of future development plans required archeological investigation to assess any potential adverse effects to any cultural resources present under Section 106 of the National Historic Preservation Act, and Article 83B, paragraph 5-618 (g) of the Annotated Code of Maryland.

Phase I work in the vicinity of 18AN1163 entailed the excavation of 41 systematic shovel test pits (STPs) at 20 meter intervals. STPs were excavated according to stratigraphic layers and all excavated material was passed through hardware cloth screens for uniformity of artifact recovery.

The Diffendal Site was identified by a cluster of positive STPs roughly 140.2 X 79.2 m (460 X 260 ft) in area, as well of the above-ground remnants of a cinderblock foundation and a closed driveway leading to the area. The cinderblock foundation remnant may have been from a house constructed in the late 19th or early 20th century. Domestic and ornamental plants still lined the areas immediately around the foundation, and a few fence remnants were present as well. According to archival documents, a house was occupied in this area until well into the 20th century. Artifacts recovered during Phase I work appeared to match the posited late 19th/20th century date for the site. Horizontal distribution of artifacts peaked near the foundation, and dropped elsewhere.

One of the STPs excavated along the western edge of the site impacted a feature. At approximately 32 cm below ground surface, a roughly circular stain appeared on the floor of the shovel test. The layer directly above the stain had yielded pieces of charcoal mixed into the light olive brown sandy clay soils. Several pieces of wood and charcoal were found in the matrix of the feature, as well as a couple of nails. The feature was possibly a post hole/mold or planting hole associated with the Diffendal site. At 56 cm below surface the STP was halted, and the rest of the feature was left intact.

Based on the analysis of Phase I STPs, the decision was made to proceed to a Phase II level of testing and a single 1 X 1 m test unit was excavated to examine soil stratigraphy and site integrity at 18AN1163. The test unit was situated near the center of the site, in a potential yard area. A local informant indicated that both a residence and a garage/barn stood on the knoll in addition to the older cinder block foundation. These structures were said to still be standing into the 1980s or 1990s, until they caught fire and were subsequently demolished. No structural remains from either building were identified during the 1999 work, nor were any additional features encountered. Material recovered spanned the 19th and 20th centuries, but was weighted towards the later period.

The combined Phase I and Phase II artifact assemblage included 23 activity items, 432 architectural artifacts, 1 furniture item (a cast iron child's bathtub), 231 kitchen-related artifacts, 2 personal items (a wheat penny and another personal object), an arms object (a .22 casing), and 521 miscellaneous objects. The activity items were a welding torch tip, 5 non-electrical wire fragments, a piece of agricultural lime, 8 transportation-related artifacts, and 8 terra-cotta flowerpot sherds. The architectural assemblage included 151 window glass fragments, 1 wrought nail, 10 cut nails, 25 wire nails, and 81 unidentified nails, 51 other hardware objects, and 113 other architectural items (brick, linoleum, mortar, etc.). The kitchen-related artifacts were 32 ceramic sherds (1 pearlware, 3 porcelain, 14 whiteware, 4 ironstone, 2 unidentified earthenware, 1 yellowware, and 7 miscellaneous stoneware), 144 kitchen/bottle glass pieces, a spoon, 2 clamp bottle caps, a plastic bottle cap seal, and 51 faunal remains. The miscellaneous assemblage included 48 modern objects, 195 pieces of coal, 181 other utility-related objects, and 97 unidentified objects.

In summary, the artifact assemblage from 18AN1163, the Diffendal Site, primarily reflects use of a structural complex at this location during the 20th century. Bottle glass was the most common domestic material recovered, a pattern generally associated with the mid and late part of that century. Most ceramics recovered were consistent with this period. A very few artifacts predating the 20th century were recovered, such as pearlware and cut and wrought nails, and may reflect a minor component from earlier use of the structure complex.

Most artifacts recovered were non-informative. Further sampling of the site may or may not produce additional information. However, some subsurface integrity is present, and one subsurface feature (a possible planting hole or posthole/mold) was identified. At present, information from this period is available from numerous other sites, and other methods (i.e. oral history, etc.). As research topics are defined for this period, such sites might become significant. For this study, no research topics were identified for the site, and the development of BWI proceeded. Today, a parking lot sits atop the location of the former site.

## External Reference Codes (Library ID Numbers):

97000456