



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18AN778

Site Name: BWI-1

Prehistoric

Other name(s)

Historic

Brief Description:

prehistoric lithic scatter, 19th-20th century artifact scatter, refuse disposal or field scatter

Unknown

Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 7

SCS soil & sediment code

Latitude 39.1628

Longitude -76.6596

Physiographic province Western Shore Coastal

Terrestrial site

Underwater site

Elevation 37 m

Site slope 0

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) Tributary of Furnace Branc

- | 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 61 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. 1720 - 1780
- ca. 1630 - 1675
- ca. 1675 - 1720
- 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
 - refuse disposal

Interpretive Sampling Data:

Prehistoric context samples Soil samples taken N

Flotation samples taken N Other samples taken

Historic context samples Soil samples taken N

Flotation samples taken N 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

| | | | | | | | |
|--------------------|--------------------------|-------------|--------------------------|------------------|--------------------------|------------------|--------------------------|
| Earthenware | | Ironstone | 12 | Staffordshire | <input type="checkbox"/> | Stoneware | |
| 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"/> | Porcelain | <input type="checkbox"/> | 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 | | | |
|-----------------------|--------------------------|------------------|--------------------------|
| Flaked stone | <input type="checkbox"/> | 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 type="checkbox"/> | Chalcedony | <input type="checkbox"/> | European flint | <input type="checkbox"/> |
| Rhyolite | <input 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 type="checkbox"/> | Steatite | <input type="checkbox"/> | Other | <input type="checkbox"/> |
| | | Sandstone | <input type="checkbox"/> | | |

Dated features present at site

| Historic Artifacts | | | |
|--------------------|----|------------------|-------------------------------------|
| Pottery (all) | 45 | Tobacco related | 1 |
| Glass (all) | 17 | Activity item(s) | 1 |
| Architectural | 12 | Human remain(s) | <input type="checkbox"/> |
| Furniture | | Faunal material | <input checked="" type="checkbox"/> |
| Arms | | Misc. kitchen | 2 |
| Clothing | 1 | Floral material | <input type="checkbox"/> |
| Personal items | | Misc. | 58 |
| | | 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 MAC

Additional raw data may be available online

Summary Description:

The BWI-1 Site (18AN778) consists of a prehistoric lithic scatter and a 19th-20th century artifact scatter located in northern Anne Arundel County, Maryland. The site is situated near a runway on the Baltimore-Washington International (BWI) Airport property. It is largely grass-covered with some patches of sandy soil visible on the surface, except for the southern portion of the site which is wooded. Now a pine forest, this wooded area seems to have been an orchard in the 1940s. A first order tributary of Sawmill Creek flows to the north of the site, the course of which has been considerably altered in modern times. Soils at the site are Evesboro-Galestown loamy sands.

The site was first identified in 1990 during a Phase I survey conducted to determine the presence or absence of archeological sites in the vicinity of planned improvements to Runway 10/28 at BWI airport. The survey examined nearly 40 acres of land at the airport and was conducted in compliance with the National Historic Preservation Act of 1966, as amended, for a project sponsored by the Federal Aviation Administration.

Phase I work in the vicinity of 18AN778 entailed the excavation of 127 shovel test pits (STPs) throughout a 25 acre subsection of the larger runway expansion study area. The STPs were dug at 30.48 m (100 ft) intervals along north-south transects 30.48 m apart. The STPs dug were usually 50 cm in diameter and 100 cm deep. All earth from the STPs was screened through hardware cloth for uniform artifact recovery and the stratigraphic profile of each STP was drawn to scale. Certain areas had to be avoided due to the presence of a runway blast pad, a road, runway lights, and buried electrical cables (mostly in the northern and eastern portions of the parcel). In addition, because there were no plans to disturb the forested noise buffer at the southern edge of the parcel, testing only extended as far south as the treeline. Additionally, some artifacts were recovered from the surface of the site.

A distinct cluster of positive STPs and some surface artifacts revealed the presence of 18AN778. A portion of the site contains historic plowzone and historic artifacts. A plow scar was detected in one STP. It was cut into a deposit of light orange brown sand that extended from 21 to 95 cm below the surface. The plowzone, varying in thickness from approximately 10 to 25 cm, was encountered in the southern and eastern portions of the survey area, denoting the site. This plowzone yielded several artifacts from the late 19th and early 20th centuries. These items included 4 cut nails, 1 sherd of pearlware, 12 pieces of ironstone, 13 pieces of whiteware, and a bottle neck and lip. A piece of an 18th century kaolin pipestem was found on the surface, along with considerable quantities of oyster and clam shell which were noted, but not retained. Four prehistoric artifacts were also recovered near or within the confines of 18AN778. One flake was found in modern fill on the runway platform. The other three were quartz flake fragments recovered from the plowzone in adjacent STPs. Based on these findings, Phase II testing was recommended in the southwestern portion of the site which would be impacted by runway expansion.

The Phase II work at 18AN778 was carried out in 1993. As part of the Phase II testing, extensive archival research was undertaken. The area of Site 18AN778 was part of the 18th century "Addition to Timber Ridge Tract". From the early 19th through the 20th century, that section of the Tract which includes that site was owned by the Wellham and Hawkins families. Following World War II, it was acquired by the City of Baltimore for Friendship Airport.

There is no evidence on historic maps that any houses or outbuildings stood within this area. None are pictured on maps from 1860, 1878, or 1907 maps of the area, and no buildings are mentioned in a report on historic houses razed during airport construction written in 1948. A detailed map prepared in association with construction of the airport also depicts no buildings in the site vicinity. It does, however, picture farm lanes or paths passing through the area and an orchard at the southern edge of the site. These indicate the former agricultural nature of the property. The buildings closest to the site on the 1948 map are located well to the south and east.

The site-specific history of the 18AN778 area suggested that the historic archeological materials recovered during the earlier Phase I survey were probably not associated with an historic occupation that was located in this portion of the airport property. Rather, these materials appeared to represent secondary or tertiary refuse brought onto this site from either another location within the airport, or from off-airport property. Phase II fieldwork would eventually prove that this in fact was the case.

Comparison of recent topographic maps of the runway expansion impact area involving Site 18AN778 and maps of the area dating to the 1940s indicated that the contours in the western portion of the impact area had been altered by downcutting and filling. Given these changes in the contours, the potential impact area was first examined through a transect of short 1.83 X .61 m (6 X 2 ft) backhoe trenches, followed by three transects of STP placed at 15.24 m (50 ft). Then, a 1.524 X 1.524 m (5 X 5 ft) test unit was excavated within the site. The unit was placed at the southwest corner of the site, as defined during Phase I work. This location was also the northeast corner of the proposed impact area. The unit, shovel tests, and backhoe trenches revealed no features, nor artifacts in a subsoil context. Therefore, no additional units were placed within the impact area.

Excavation of shovel tests and the test units was done in natural soil strata, unless such strata could not be clearly identified. In the latter case, 10.67 cm (.35 ft) arbitrary levels were used. Arbitrary levels were also used when natural strata were more than 10.67 cm thick. All soil was screened through hardware cloth. Walls of the backhoe trenches were cleaned and profiled, in order to identify any buried artifact deposits and features, and to record soil stratigraphy. Photographs (black and white prints and color slides) were taken of the test unit and trenches.

Phase II artifacts recovered from 18AN778 included 1 piece of horse tack, 6 window glass fragments, 1 nail, part of a wooden board, a porcelain button, 19 ceramic sherds, 8 pieces of bottle glass, 2 shards of possible table glass, a piece of flatware, a shell fragment, 10 pieces of coal, 12 unidentified pieces of metal, 28 pieces of unidentified glass, and 8 unidentified objects.

Artifacts recovered during testing of 18AN778 were all in plowzone or fill soils, and consist of a mixture of modern and 19th century materials. Site specific historical research on this area of the airport indicates that no historic period farmsteads were located within or in the vicinity of Site 18AN778. The artifacts in question likely represent secondary refuse disposal from an area off-site and, thus, the site should not be considered a significant archeological resource.

External Reference Codes (Library ID Numbers):

00000673, 00000719