



Phase II and Phase III Archaeological Database and Inventory

Site Number: 18FR372

Site Name: Staley Glass Works

Prehistoric

Other name(s) Mount Etna Glass Works

Historic

Unknown

Brief Description: late 18th-19th century glass works factory

Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 17

SCS soil & sediment code HbB2

Latitude 39.4671 Longitude -77.4198

Physiographic province Lancaster/Frederick Lowl

Terrestrial site

Underwater site

Elevation 300 m Site slope 0-5%

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) Little Tuscarora Creek

Saltwater

Ocean

Estuary/tidal river

Tidewater/marsh

Minimum distance to water is 30 m

Freshwater

Stream/river

Swamp

Lake or pond

Spring

Temporal & Ethnic Contextual Data:

Paleoindian site

Woodland site

Archaic site

MD Adena

Early archaic

Early woodland

Middle archaic

Mid. woodland

Late archaic

Late woodland

Unknown prehistoric context

Contact period site ca. 1820 - 1860 Y

ca. 1630 - 1675 ca. 1860 - 1900 Y

ca. 1675 - 1720 ca. 1900 - 1930

ca. 1720 - 1780 Post 1930

ca. 1780 - 1820 Y

Unknown historic context

Unknown context

Ethnic Associations (historic only)

Native American Asian American

African American Unknown

Anglo-American Y Other

Hispanic

Y=Confirmed, P=Possible

Site Function Contextual Data:

Prehistoric

Multi-component Misc. ceremonial

Village Rock art

Hamlet Shell midden

Base camp STU/lithic scatter

Rockshelter/cave Quarry/extraction

Earthen mound Fish weir

Cairn Production area

Burial 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 glass furnac

Transportation

Canal-related

Road/railroad

Wharf/landing

Maritime-related

Bridge

Ford

Educational

Commercial

Trading post

Store

Tavern/inn

Military

Post-in-ground

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

Flotation samples taken

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		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"/>
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"/>	Yeocomico	<input type="checkbox"/>
Monongahela	<input type="checkbox"/>	Susquehannock	<input type="checkbox"/>

Historic Sherd Types		Ironstone		Staffordshire		Stoneware			
Earthenware		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"/>	1	Eng Dry-bodied	<input type="checkbox"/>	
Buckley	<input type="checkbox"/>	North Devon	<input type="checkbox"/>	Porcelain	<input type="checkbox"/>	1	Nottingham	<input type="checkbox"/>	
Creamware	<input type="checkbox"/>	Pearlware	<input type="checkbox"/>	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"/>
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		Fer quartzite		Sil sandstone	
Jasper	<input type="checkbox"/>	Chalcedony	<input type="checkbox"/>	European flint	<input type="checkbox"/>
Chert	<input type="checkbox"/>	Ironstone	<input type="checkbox"/>	Basalt	<input type="checkbox"/>
Rhyolite	<input type="checkbox"/>	Argilite	<input type="checkbox"/>	Unknown	<input type="checkbox"/>
Quartz	<input type="checkbox"/>	Steatite	<input type="checkbox"/>	Other	<input type="checkbox"/>
Quartzite	<input type="checkbox"/>	Sandstone	<input type="checkbox"/>		<input type="checkbox"/>

Dated features present at site

Historic Artifacts		Tobacco related	
Pottery (all)	10	Activity item(s)	<input type="checkbox"/>
Glass (all)	41	Human remain(s)	<input type="checkbox"/>
Architectural	1	Faunal material	<input type="checkbox"/>
Furniture	<input type="checkbox"/>	Misc. kitchen	<input type="checkbox"/>
Arms	<input type="checkbox"/>	Floral material	<input type="checkbox"/>
Clothing	<input type="checkbox"/>	Misc.	32
Personal items	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>
		glass	<input type="checkbox"/>
		slag, melted glass	<input type="checkbox"/>

Historic Features		Privy/outhouse		Depression/mound		Unknown	
Const feature	<input type="checkbox"/>	Well/cistern	<input type="checkbox"/>	Burial(s)	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>
Foundation	<input checked="" type="checkbox"/>	Trash pit/dump	<input type="checkbox"/>	Railroad bed	<input type="checkbox"/>	furnace	<input type="checkbox"/>
Cellar hole/cellar	<input type="checkbox"/>	Sheet midden	<input type="checkbox"/>	Earthworks	<input type="checkbox"/>		
Hearth/chimney	<input type="checkbox"/>	Planting feature	<input type="checkbox"/>	Mill raceway	<input type="checkbox"/>		
Postholes/molds	<input type="checkbox"/>	Road/walkway	<input type="checkbox"/>	Wheel pit	<input type="checkbox"/>		
Paling ditch/fence	<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 Staley Glass Works site (18FR372) was located during the final stages (in 1980) of the Monocacy River Valley survey by Peck and Kavanagh. It was identified with the aid of the 1808 Varle Map which showed an "old glass works" on a bluff above Tuscarora Creek north of Frederick. Interviews with surrounding landowners lead the researchers to the site of the Staley family farmhouse. A garden nearby was marked by a high density of glass fragments, slag, glazed bricks, and cut limestone. These are the remnants of, according to historical records, a glass factory constructed in 1781. Glass was produced here by the Johnson family until 1793. The property was sold in 1802, and glass continued to be produced at the site until 1807. The glass produced at this factory was reputed to be of poor quality due to the poor quality sands available.

At the outset of the Monocacy Valley survey work, the size of the site and its integrity were unknown. Test pits were placed in the garden area north of the Staley farmhouse where glass and brick fragments were visible. These pits revealed part of a foundation. The 1980 testing also recovered 6 glazed crude pottery fragments, 2 rocks with glaze baked on, 1 fragment of unglazed pottery, 3 pieces of slag, 1 porcelain fragment, 6 fragments of green glass, 1 pinkish glass fragment, 2 bluish glass fragments, 1 brown glass fragment, and 15 misshapen glass "blobs."

In January of 1999 R. Christopher Goodwin & Associates conducted a Phase I survey for a sewer interceptor. They identified an artifact cluster that is likely related to 18FR372. The portion of the site which occurs within the project area represents a secondary deposit of artifacts that likely washed downslope from the main site locale. Artifacts recovered from the cluster included 3 non-machine made bottle glass fragments, 1 machine made bottle glass piece, 3 unidentified glass fragments, 4 pieces of melted glass, 5 glass slag fragments, 1 brick fragment, 1 whiteware ceramic sherd, and 1 pearlware sherd. The pearlware, non-machine made glass, melted glass, and glass slag may date from the period of the glass works. Certainly, the slag and melted glass are suggestive of the glass work's operations. There was no indication of features in this area related to the glassworks and associated industries. Given the setting in a backwater area behind the creek and the bluff, it appears unlikely that such features are present in this portion of the site.

As one of the few glass works in operation in the 18th century in Frederick County, site 18FR372 is a source of information on the economic development and settlement of the Monocacy Valley. It was part of a complex which included a saw mill, a tan yard, and a grist mill, and it is possible that other parts of this small settlement of the late 1700's may have significant archeological remains.

External Reference Codes (Library ID Numbers):

00005983, 00007570