



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18WA475

Site Name: Lock 35 Dry Dock

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

19th century dry dock

## Site Location and Environmental Data:

Maryland Archaeological Research Unit No. 18

SCS soil & sediment code

Latitude 39.3382

Longitude -77.7443

Physiographic province Blue Ridge

Terrestrial site

Underwater site

Elevation 79 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) Potomac River

- | 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 0 m

## Temporal & Ethnic Contextual Data:

- Paleoindian site
- Archaic site
- Early archaic
- Middle archaic
- Late archaic
- Unknown prehistoric context
- Woodland site
- MD Adena
- Early woodland
- Mid. woodland
- Late woodland

- 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
- Y
- Y

### 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

- |  |  |   |  |
|--|--|---|--|
| <b>Historic</b>                                    | Furnace/forge <input type="checkbox"/>             | <b>Military</b>   | Post-in-ground <input type="checkbox"/>                |
| <b>Urban/Rural?</b> Rural <input type="checkbox"/> | Other <input type="checkbox"/>                     | Battlefield <input type="checkbox"/>                          | Frame-built <input type="checkbox"/>                   |
| <b>Domestic</b>                                    | Transportation <input checked="" type="checkbox"/> | Fortification <input type="checkbox"/>                        | Masonry <input type="checkbox"/>                       |
| Homestead <input type="checkbox"/>                 | Canal-related <input checked="" type="checkbox"/>  | Encampment <input type="checkbox"/>                           | Other structure <input type="checkbox"/>               |
| Farmstead <input type="checkbox"/>                 | Road/railroad <input type="checkbox"/>             | <b>Townsite</b>   | Slave related <input type="checkbox"/>                 |
| Mansion <input type="checkbox"/>                   | Wharf/landing <input type="checkbox"/>             | <b>Religious</b>  | Non-domestic agri <input type="checkbox"/>             |
| Plantation <input type="checkbox"/>                | Maritime-related <input type="checkbox"/>          | Church/mtg house <input type="checkbox"/>                     | Recreational <input type="checkbox"/>                  |
| Row/townhome <input type="checkbox"/>              | Bridge <input type="checkbox"/>                    | Ch support bldg <input type="checkbox"/>                      | Midden/dump <input type="checkbox"/>                   |
| Cellar <input type="checkbox"/>                    | Ford <input type="checkbox"/>                      | <b>Burial area</b>  | Artifact scatter <input type="checkbox"/>              |
| Privy <input type="checkbox"/>                     | <b>Educational</b>                                 | Cemetery <input type="checkbox"/>                             | Spring or well <input type="checkbox"/>                |
| <b>Industrial</b>                                  | <b>Commercial</b>                                  | Sepulchre <input type="checkbox"/>                            | Unknown <input type="checkbox"/>                       |
| Mining-related <input type="checkbox"/>            | Trading post <input type="checkbox"/>              | Isolated burial <input type="checkbox"/>                      | Other context <input checked="" type="checkbox"/>      |
| Quarry-related <input type="checkbox"/>            | Store <input type="checkbox"/>                     | <b>Bldg or foundation</b> <input checked="" type="checkbox"/> | Possible Structure <input checked="" type="checkbox"/> |
| Mill <input type="checkbox"/>                      | Tavern/inn <input type="checkbox"/>                |   | dry dock <input checked="" type="checkbox"/>           |
| Black/metalsmith <input type="checkbox"/>          |  |   |  |

## 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



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18WA475

Site Name: Lock 35 Dry Dock

Prehistoric

Other name(s)

Historic

Unknown

Brief Description:

19th century dry dock

## 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	<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		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

Numerous features containing diagnostic historic artifacts.

Historic Artifacts		Tobacco related	
Pottery (all)	2	Activity item(s)	3
Glass (all)	259	Human remain(s)	<input type="checkbox"/>
Architectural	1873	Faunal material	<input type="checkbox"/>
Furniture	<input type="checkbox"/>	Misc. kitchen	<input type="checkbox"/>
Arms	5	Floral material	<input type="checkbox"/>
Clothing	6	Misc.	<input type="checkbox"/>
Personal items	2	Other	<input type="checkbox"/>

### Historic Features

Const feature	<input checked="" 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 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



# Phase II and Phase III Archaeological Database and Inventory

Site Number: 18WA475

Site Name: Lock 35 Dry Dock

Prehistoric

Other name(s)

Historic

Brief

Description:

19th century dry dock

Unknown

## External Samples/Data:

Collection curated at NPS? - C & O Canal Park

Additional raw data may be available online

## Summary Description:

Phase II testing at 18WA475, the Lock 35 Dry Dock, was undertaken to aid C & O Canal National Historical Park planners in making more specific land use decisions by assessing archeological resources which might be impacted by development of the area. Work was also carried out to enrich the park interpretive program, to contribute information to the historical record, and to contribute to our knowledge of historic lifeways. The results were also used to determine if use of the area as established by the General Land Use Plan for the park would negatively impact any cultural resources.

The dry dock at Lock 35 is the only structure of its kind remaining on the C & O Canal. It is located on the berm side of the canal and parallels the lock structure. It is surrounded by a stone rubble wall interspersed with six concrete boat supports. Also associated with the dry dock is a nearby standing structure and a foundation situated between the lock and dry dock.

A site grid was laid out parallel to the Lock no. 35 north wall, since it was in an approximate east to west line and a datum was set. Two offset (staggered) transect trenches were excavated to obtain one complete 1.524 X 5.4864 meter (5 X 18 feet) transect across the width of the dry dock basin. The offset of the trenches was intended to avoid nonrandom cultural patterning. Two large test units were opened up at the east and west ends of the dry dock. The eastern unit was 1.524 X 1.524 meters (5 X 5 feet) in size and was placed directly in front of the drain hole of the dry dock, while the western was 1.524 X 1.8288 meters (5 X 6 feet) in size and just east of the stop gate constriction and south of the dry dock wall. In addition, two very small units were opened explicitly to test the hypothesis of whether wood structures, similar to the existing concrete ones, had at one time been in the dry dock (see below). And finally, four adjacent 1.524 X 1.8288 meters (5 X 6 feet) test units were excavated directly atop the stone foundation situated between the dry dock and the lock itself. During the course of the excavation, a surface collection was undertaken in an area of significant disturbance and slumping where rain and erosion had revealed historic artifacts. The surface collected area was located at the down canal end between the dry dock and the lock wall.

Six features were encountered during excavation activities; four in the dry dock basin and two in the foundation. All 6 were artificial, as opposed to natural features. Of those in the vicinity of the dry dock, feature 1 was a discard pile of 38 nails. Feature 2 was a flat circular rock capped with mortar and thought to have been a support for a wooden beam. It was hypothesized that this beam could have supported a wooden stanchion similar to the concrete ones for supporting boats still extant at the site. Further work revealed that this was not the case. Feature 3 consisted of a wooden beam and a series of regularly spaced nails nearby. The feature is thought to be part of the stop gate or its sill which would have been located nearby. Feature 4 consists of a wooden board overlying a stone and rock sill and a depressed area in front of it. It is suggested that the feature is part of the original construction of the dry dock drain. In the foundation area a cache of nails (feature 5) and an anomalous circular soil feature (no. 6) beneath the foundation stones and in the southeast quadrant of the foundation were encountered.

A total of 1968 artifacts were encountered during Phase II testing at 18WA475. Only three activity items (all from the foundation area) were recovered during the excavations. All three were tools; a valve key (a long iron wrench used to open valves on the lock gates), a two-pronged iron pitchfork, and an iron gaff hook. In addition to the wooden beams which may be parts of architectural features (see above), 1873 architectural artifacts were recovered. In the vicinity of the dry dock basin, 924 nails and nail fragments were excavated and in the foundation, another 765 were found. The remaining architectural objects were all pieces of plate window glass. Fifty-one glass fragments were found in the dry-dock basin while 133 were found in the foundation area. Six clothing objects were found at the site, all buttons. Three are made of shell. Two are glass and one is brass. Kitchen-related objects include two earthenware rimsherd and 75 glass bottle fragments. Sixty of the bottle fragments were found in the dry-dock basin and 15 come from the foundation. Two personal items were recovered. One is a 1907 Indian Head penny found in the dry dock and the other is a 1917 Mercury dime found in the foundation area. Two tobacco-related items were recovered, one in the dry dock area and the other in the foundation area. Both are pipe stem fragments, the one from the foundation being a "Peter Dorni" pipe. Arms-related objects include three .22 caliber short shells and a 12 gauge shotgun shell from the dry-dock basin, and a .38 caliber cartridge from the foundation area.

Historic (archival) research combined with excavation to provide some basic information regarding the dry dock complex at Lock 35. The dry dock and the structure represented by the foundation were both built around the mid-1890s. The evidence for this is the lack of its mention in the Canal Company records prior to 1889, its absence from an 1890s structures list of the canal prepared when the canal went into receivership, and its apparent presence on an 1894-1896 map by Mackall. No evidence was found of any early canal-related structures that predated the extant dry-dock remains (the concrete supports, stone walls, etc.). The structure whose foundation remains were excavated is clearly present on an 1894-1896 property map and in a 1920 photograph. The dry dock complex was used until at least 1907 (date based on the 1907 penny), but not after 1924 (when the canal was abandoned). The foundations which were excavated most likely belong to a structure that is probably a lock keeper's wait house, a tool shed or both. The dry dock and the structure foundation were relative latecomers constructed on a canal that was already obsolete, and were representatives of one of the last major efforts to make the canal viable.

## External Reference Codes (Library ID Numbers):

00006322