

INDIVIDUAL PROPERTY/DISTRICT
MARYLAND HISTORICAL TRUST
INTERNAL NR-ELIGIBILITY REVIEW FORM

TRUST

Property/District Name: Pumping Shaft, New Shaft, & Consolidator Survey Number: AL-V-A-024 /
Co. Mine #11
Project: Rural Abandoned Mine Program - Reclamation Agency: SPS 18AG79

Site visit by MHT Staff: no yes Name _____ Date _____

Eligibility recommended Eligibility not recommended

Criteria: A B C D Considerations: A B C D E F G None

Justification for decision: (Use continuation sheet if necessary and attach map)

The site is significant because it contains one of few surviving in-situ centrifugal mine fans in the eastern U.S. Also, the existence of two modes of mine ventilation, side-by-side, representing the change in technology, make this site extremely important.

The site contains the remains of several structures, equipment, foundations of a blacksmith shop & mine superintendent's house, plus other associated archaeological resources. This historic industrial complex was developed by the Consolidated Coal Company to drain the Hoffman Mine. It was begun in 1850 and developed through the early 20th c as a model small vein mine.

Documentation on the property/district is presented in: Coal Region Historic Sites
Survey # AL-V-A-024/18AG79

Prepared by: Donna Ware
Beth Hannold 7/11/91
Reviewer, Office of Preservation Services Date

NR program concurrence: yes no not applicable
R. Lindstrom 7/11/91
Reviewer, NR program Date

A. LAND COMPREHENSIVE HISTORIC PRESERVATION PLAN DATA - HISTORIC CONTEXT

I. Geographic Region:

- Eastern Shore (all Eastern Shore counties, and Cecil)
- Western Shore (Anne Arundel, Calvert, Charles, Prince George's and St. Mary's)
- Piedmont (Baltimore City, Baltimore, Carroll, Frederick, Harford, Howard, Montgomery)
- Western Maryland (Allegany, Garrett and Washington)

II. Chronological/Developmental Periods:

- Paleo-Indian 10000-7500 B.C.
- Early Archaic 7500-6000 B.C.
- Middle Archaic 6000-4000 B.C.
- Late Archaic 4000-2000 B.C.
- Early Woodland 2000-500 B.C.
- Middle Woodland 500 B.C.- A.D.900
- Late Woodland/Archaic A.D. 900-1600
- Contact and Settlement A.D. 1570-1750
- Rural Agrarian Intensification A.D. 1680-1815
- Agricultural-Industrial Transition A.D. 1815-1870
- Industrial/Urban Dominance A.D. 1870-1930
- Modern Period A.D. 1930-Present
- Unknown Period (prehistoric historic)

III. Prehistoric Period Themes:

- Subsistence
- Settlement
- Political
- Demographic
- Religion
- Technology
- Environmental Adaption

IV. Historic Period Themes:

- Agriculture/Engineering
- Architecture/Landscape Architecture, and Community Planning
- Economic (Commercial and Industrial)
- Government/Law
- Military
- Religion
- Social/Educational/Cultural
- Transportation

V. Resource Type:

Category: Industrial Complex / Buildings, Structures, Objects

Historic Environment: Rural

Historic Function(s) and Use(s): Coal Mine

Known Design Source: —

AL-V-A-024

New Shaft Ventilation Fans
Frostburg
Private

1909 and c. 1930

The ruins at New Shaft (Pumping Shaft), located at the axis of the Georges Creek coal basin, consist of a 1909 Lepley steel fan, a centrifugal mine ventilation fan, 20' in diameter and a 1909 cast-iron mount for a 80 h.p. 16" x 30" Crawford & McCrimmon horizontal steam engine and a laminated wooden pulley 10' in diameter and 14" wide, all enclosed in a four-chambered brick fan house. Just north of the fan house is a c. 1930 Aerovane fan (a propeller or disc type fan) which replaced the Lepley fan. It covers the air shaft. A small brick, shed-roofed structure covering the entrance to the manway shaft is located between the fan house and the Aerovane fan. A series of steps and landings extend 210' to the bottom of the shaft.

This site is significant because it contains one of few surviving in-situ centrifugal mine fans in the eastern U.S. Also, the existence of two modes of mine ventilation, side-by-side, representing the change in technology, make this site extremely important.

INVENTORY FORM FOR STATE HISTORIC SITES SURVEY

1 NAME

HISTORIC
Pumping Shaft, New Shaft, and Consolidation Coal Co. Mine No. 11

AND/OR COMMON
New Shaft Ventilation Fans

2 LOCATION

STREET & NUMBER
Old Route 36, East side, approx. 500 feet south of Route 48

CITY, TOWN
Frostburg

CONGRESSIONAL DISTRICT
6th

STATE
Maryland

COUNTY
Allegany

VICINITY OF
X

3 CLASSIFICATION

CATEGORY	OWNERSHIP	STATUS	PRESENT USE
<input type="checkbox"/> DISTRICT	<input type="checkbox"/> PUBLIC	<input type="checkbox"/> OCCUPIED	<input type="checkbox"/> AGRICULTURE <input type="checkbox"/> MUSEUM
<input type="checkbox"/> BUILDING(S)	<input checked="" type="checkbox"/> PRIVATE	<input checked="" type="checkbox"/> UNOCCUPIED	<input type="checkbox"/> COMMERCIAL <input type="checkbox"/> PARK
<input checked="" type="checkbox"/> STRUCTURE	<input type="checkbox"/> BOTH	<input type="checkbox"/> WORK IN PROGRESS	<input type="checkbox"/> EDUCATIONAL <input type="checkbox"/> PRIVATE RESIDENCE
<input type="checkbox"/> SITE	PUBLIC ACQUISITION	ACCESSIBLE	<input type="checkbox"/> ENTERTAINMENT <input type="checkbox"/> RELIGIOUS
<input type="checkbox"/> OBJECT	<input type="checkbox"/> IN PROCESS	<input type="checkbox"/> YES RESTRICTED	<input type="checkbox"/> GOVERNMENT <input type="checkbox"/> SCIENTIFIC
	<input type="checkbox"/> BEING CONSIDERED	<input type="checkbox"/> YES UNRESTRICTED	<input checked="" type="checkbox"/> INDUSTRIAL <input type="checkbox"/> TRANSPORTATION
		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> MILITARY <input type="checkbox"/> OTHER

4 OWNER OF PROPERTY

NAME
Maryland Coal & Realty Company

Telephone #: 301-689-8895

STREET & NUMBER
Depot Street

CITY, TOWN
Frostburg

STATE, zip code
Maryland 21532

VICINITY OF

5 LOCATION OF LEGAL DESCRIPTION

COURTHOUSE
REGISTRY OF DEEDS, ETC
Allegany County Courthouse

STREET & NUMBER
30 Washington Street

CITY, TOWN
Cumberland

STATE
Maryland

zip code
21502

Liber #: _____
Folio #: _____

6 REPRESENTATION IN EXISTING SURVEYS

TITLE
Maryland Historical Trust

DATE
May 27, 1976

DEPOSITORY FOR SURVEY RECORDS
Maryland Historical Trust

CITY, TOWN
Annapolis

STATE
Maryland

zip code
21401

FEDERAL STATE COUNTY LOCAL

7 DESCRIPTION

New Shaft

CONDITION		CHECK ONE	CHECK ONE
<input type="checkbox"/> EXCELLENT	<input checked="" type="checkbox"/> DETERIORATED	<input checked="" type="checkbox"/> UNALTERED	<input checked="" type="checkbox"/> ORIGINAL SITE
<input type="checkbox"/> GOOD	<input type="checkbox"/> RUINS	<input type="checkbox"/> ALTERED	<input type="checkbox"/> MOVED DATE _____
<input type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The ruins at New Shaft (Pumping Shaft), located at the axis of the Georges Creek coal basin, consist of a 1909 Lepley steel fan, a centrifugal mine ventilation fan, 20' in diameter and a 1909 cast-iron mount for a 80 h.p. 16" x 30" Crawford & McCrimmon horizontal steam engine and a laminated wooden pulley 10' in diameter and 14" wide, all enclosed in a four-chambered brick fan house. Just north of the fan house is a c. 1930 Aerovane fan (a propeller or disc type fan) which replaced the Lepley fan. It covers the air shaft. A small brick, shed-roofed structure covering the entrance to the manway shaft is located between the fan house and the Aerovane fan. A series of steps and landings extend 210' to the bottom of the shaft.

The brick fan house is composed of four chambers. The westernmost chamber, the engine room, contains the mount for the engine which was direct connected to the Lepley fan located in the discharge chimney chamber. The drive shaft is still in place.

The laminated pulley, located in the engine room, was added in the late 1920s when the power source was converted from steam to electricity.¹ An electric motor (now gone) mounted on a concrete block just south of the engine room was belted to the pulley which drove the fan shaft.

The Lepley fan is 20' in diameter and 6' wide and the blades curve backward. It produced 129,000 cubic feet of air at 68 r.p.m. for four mines: Consolidation Coal Co. mines #3, #10, #11 and #12.

Air produced by the fan was blown out of the discharge chimney in a horizontal direction into the air shaft, located just north of the fan house, now covered with the later, more efficient replacement, the Aerovane type fan.

The side chambers flanking the discharge chimney functioned as fan inlets. The discharge chimney could be opened from above as evidenced by the extant crank and gears on the roof. This would suggest that the fan was reversible, capable of blowing air into the mine or exhausting it from the mine. Most of the fans in the Georges Creek coal basins were blowers.²

The Aerovane fan was electrically powered, mechanically more efficient, and produced a higher pressure of air. It is enclosed by a steel hood.

Foundations of a blacksmith shop and mine superintendent's house are visible north of the fans. The foundation of a water tank which supplied water³ to mules stabled below, within the mine, is located south of the fans.

CONTINUE ON SEPARATE SHEET IF NECESSARY

PERIOD		AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
<input type="checkbox"/> PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION	
<input type="checkbox"/> 1400-1499	<input checked="" type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input type="checkbox"/> SCIENCE	
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE	
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN	
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input checked="" type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER	
<input checked="" type="checkbox"/> 1800-1899	<input type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input type="checkbox"/> TRANSPORTATION	
<input checked="" type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input checked="" type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)	
		<input type="checkbox"/> INVENTION			

SPECIFIC DATES 1909 and c. 1930

BUILDER/ARCHITECT

STATEMENT OF SIGNIFICANCE

This site is significant because it contains one of few surviving in-situ centrifugal mine fans in the eastern U.S. Also, the existence of two modes of mine ventilation, side-by-side, representing the change in technology, make this site extremely important.

This site was originally developed in c. 1880 by Consolidation Coal Company as a pumping station to drain Hoffman Mine (Mine No. 3).⁴ The 1902 photocopy of Pumping Shaft shows this site at its height, when used for pumping purposes. In 1905, the Hoffman Drainage Tunnel (See AL-V-A-053) was completed from Pumping Shaft to Clarysville. This in combination with other drainage ditches and tunnels, successfully drained most of Consolidation Coal Company's property, making Pumping Shaft obsolete.⁵ Up until this time, the coal mined here was used to fuel the boilers which operated the pumps.

In 1909, Consolidation Coal Co. designated Pumping Shaft as its Mine No. 11. Improvements included the installation of the 20' x 6' Lepley fan, retimbering of the Shaft, constructing of a new head-house (no longer extant), and the installation of a new double hoisting engine and an "up-to-date safety appliance elevator (both no longer extant) for lowering and hoisting the men..."⁶ By 1910, it was heralded as a model small vein mine.

Coal was shipped for commercial purposes via the Eckhart Branch of the Chesapeake and Potomac Railroad at Hoffman Mines via a 100' long underground chute which connected Mine No. 11 with Mine No. 3 (Hoffman) and then up the Hoffman slope to the surface.

In the late 1910s, the large boiler house, pictured in the c.1902 photocopy and the 1910 insurance map, was reduced in size from 10 boilers to 3.⁸ The remaining 3 supplied steam which powered the hoisting equipment and the Lepley fan.

Between 1926 and 1930, the power source was converted from steam to electricity. The extant pulley was added at this time.⁹ It was belt connected to an electric motor which drove the fan wheel.

The Aerovanefan was installed in the late 1930s. Small vein mines were harder to ventilate due to more narrow passages than in the Big Vein coal mines.

CONTINUE ON SEPARATE SHEET IF NECESSARY

9 MAJOR BIBLIOGRAPHICAL REFERENCES

12-V-A-024

Annual Report of the Inspector of Mines for Allegany and Garrett Counties,
For the Year Ending December 31, 1982. Baltimore: Wm. J.C. Dulaney Co.
Printers and Stationers, 1893.

CONTINUE ON SEPARATE SHEET IF NECESSARY

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY _____

VERBAL BOUNDARY DESCRIPTION

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE COUNTY

STATE COUNTY

11 FORM PREPARED BY

NAME / TITLE

Donna Ware, Historian

ORGANIZATION

Maryland Historical Trust/Bureau of Mines

DATE

November 1981

STREET & NUMBER

21 State Circle, Shaw House

TELEPHONE

301-269-2438

CITY OR TOWN

Annapolis

STATE

Maryland 21401

The Maryland Historic Sites Inventory was officially created by an Act of the Maryland Legislature, to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 Supplement.

The Survey and Inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

RETURN TO: Maryland Historical Trust
The Shaw House, 21 State Circle
Annapolis, Maryland 21401
(301) 267-1438

AL-V-A-024

New Shaft Ventilation Fans
(#8 - Continuation)

A fan producing a higher pressure of air was needed.¹⁰ The Aerovane design became the most popular. Other extant propeller type fans in Georges Creek are the Ocean Mine No. 1 Ventilation Fan (AL-VI-B-040) and Ayers Coal Co. Mine Ventilation Fan (AL-VI-B-294).

New Shaft was abandoned in the late 1950s.¹¹

New Shaft Ventilation Fans
(Footnotes for #7 and #8)

1

George Cutter, Midlothian, MD., 10-18-82.

2

Anton Urbas, Vale Summit, MD., 10-18-82.

3

Ibid., 10-15-82

4

Report of Thomas Brown, Inspector of Mines for Allegany and Garrett Counties for the Year Ending December 31, 1881., (Annapolis, 1882), p. 5.

5

Maryland Geological Survey, Second Report on the Goals of Maryland, (Baltimore: The Johns Hopkins Press, 1920), p. 170.

6

John H. Donahue, Annual Report of the Mine Inspector for Allegany and Garrett Counties, Maryland to His Excellency Governor Austin L. Crothers From May 1, 1909 to May 1, 1910, (Cumberland: Evening Times Print, 1910), p. 28.

7

Ibid.

8

Anton Urbas and George Cutter, 10-18-82.

9

Anton Urbas believes that the wooden pulley was built by Consolidation Coal Company carpenters.

10

William J. Montgomer., Theory and Practice of Mine Ventilation, (Columbus, Ohio: The Jeffrey Manufacturing Co., 1936), pp. 247-256.

11

Anton Urbas and George Cutter, 10-18-82.

(Note: Special thanks goes to Anton Urbas of Vale Summit, MD. who assisted me with fieldwork and verification of the accuracy of the information contained in this form. Mr. Urbas worked in New Shaft, (Mine No. 11) and Mine No. 10 (Eckhart) from 1924-1937).

AL-V-A-024

(Continuation - #9)

Cutter, George. Midlothian, Maryland. Interviewed by Anton Urbas,
10-18-82.

Insurance Maps of the Consolidation Coal Co. Maryland Division. Frostburg,
Maryland: Engineering Department.

Maryland Geological Survey. Report on the Coals of Maryland. Baltimore:
The Johns Hopkins Press, 1905.

_____. Second Report on the Coals of Maryland. Baltimore:
The Johns Hopkins Press, 1920.

Montgomery, William J. Theory and Practice of Mine Ventilation. Columbus, Ohio:
The Jeffrey Manufacturing Co., 1936.

Report of Thomas Brown, Inspector of Mines for Allegany and Garrett Counties,
For the Year Ending December 31st, 1881. Annapolis, 1882.

Report of Thomas Brown, Inspector of Mines for Allegany and Garrett Counties,
For the Year Ending December 31st, 1883. Annapolis: James Young, State
Printer, 1884.

Robinson, J.R. Practical Mine Ventilation. Pittsburgh: J.R. Robinson, Publisher.
1922.

Weigel, W.M. "Ventilating Equipment," Library of Coal Mining and Engineering.
New York: McGraw-Hill Book Co., Inc., 1915.

Donahue, John H. Annual Report of the Mine Inspector for Allegany and Garrett
Counties, Maryland to His Excellency Governor Austin L. Crothers from
May 1, 1909 to May 1, 1910. Cumberland: Evening Times Print, 1910.

AI - V - A - 024
Brophy Mine Water Pump Station
Shaft

1890

The Brophy Mine Water Pump Station was built between 1880 and 1890 in order to pump water out of the Brophy deep mines in order to allow miners to work in the shafts. The station, which was constructed of brick, was powered by steam and remnants of the steam lever engine are still present in the structure.

INVENTORY FORM FOR STATE HISTORIC SITES SURVEY

1 NAME

HISTORIC

Brophy Mine Water Pump Shaft & Station

AND/OR COMMON

Mine Shaft Air Vent

2 LOCATION

STREET & NUMBER

Along Old Rt. # 36, 1/2 Mile South of Wright's Crossing

CITY, TOWN

Shaft

VICINITY OF

CONGRESSIONAL DISTRICT

Sixth

STATE

Maryland

COUNTY

Allegany

3 CLASSIFICATION

CATEGORY

OWNERSHIP

STATUS

No Longer in Use

PRESENT USE

DISTRICT
 BUILDING(S)
 STRUCTURE
 SITE
 OBJECT

PUBLIC
 PRIVATE
 BOTH
PUBLIC ACQUISITION
 IN PROCESS
 BEING CONSIDERED

OCCUPIED
 UNOCCUPIED
 WORK IN PROGRESS
ACCESSIBLE
 YES: RESTRICTED
 YES: UNRESTRICTED
 NO

AGRICULTURE
 COMMERCIAL
 EDUCATIONAL
 ENTERTAINMENT
 GOVERNMENT
 INDUSTRIAL
 MILITARY
 MUSEUM
 PARK
 PRIVATE RESIDENCE
 RELIGIOUS
 SCIENTIFIC
 TRANSPORTATION
 OTHER

4 OWNER OF PROPERTY

NAME

Maryland Coal & Realty Company

Telephone #: 689-8895

STREET & NUMBER

Depot Street

CITY, TOWN

Frostburg

VICINITY OF

STATE, zip code

Maryland 21532

5 LOCATION OF LEGAL DESCRIPTION

COURTHOUSE,
 REGISTRY OF DEEDS, ETC

Allegany County Courthouse

Liber #:

Folio #:

STREET & NUMBER

30 Washington Street

CITY, TOWN

Cumberland

STATE

Maryland

6 REPRESENTATION IN EXISTING SURVEYS

TITLE

DATE

FEDERAL STATE COUNTY LOCAL

DEPOSITORY FOR
 SURVEY RECORDS

CITY, TOWN

STATE

7 DESCRIPTION

AL-V-A-024

CONDITION		CHECK ONE	CHECK ONE
<input type="checkbox"/> EXCELLENT	<input checked="" type="checkbox"/> DETERIORATED	<input checked="" type="checkbox"/> UNALTERED	<input checked="" type="checkbox"/> ORIGINAL SITE
<input type="checkbox"/> GOOD	<input type="checkbox"/> RUINS	<input type="checkbox"/> ALTERED	<input type="checkbox"/> MOVED DATE _____
<input type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The Brophy Mine Water Pump Station is located along old Route 36 near Shaft, Allegany County on the East side of the road, one half mile South of Wright's Crossing.

The structure consists of a one story irregular rectangular shaped facade. A central bay extends above the outline of the principal facade to the interior and a steel vent is attached to the structure on the northern side. The building is constructed of brick and is laid in American common bond, which is supported by a cement surfaced stone foundation with a beveled water table. The shed roof of the structure features the original cement materials, however it is now deteriorating. Windows and doors in the building are all open and appear to have been this way since construction. The water pump station has four completely different bays or compartments in the brick portion. One bay contains the remnants of a steam, lever pump engine, while the remaining compartments contains pulleys and remnants of the pumping mechanism. No chimneys or other outlets are now apparent on the building.

The water pump station is still structurally sound however it is deteriorating rapidly.

CONTINUE ON SEPARATE SHEET IF NECESSARY

8 SIGNIFICANCE

AL-V-A-024

PERIOD	AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
<input type="checkbox"/> PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input type="checkbox"/> SCIENCE
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE
<input type="checkbox"/> 1600-1699	<input checked="" type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER
<input checked="" type="checkbox"/> 1800-1899	<input type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input type="checkbox"/> TRANSPORTATION
<input type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input checked="" type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)
		<input type="checkbox"/> INVENTION		

SPECIFIC DATES 1880-1890

BUILDER/ARCHITECT

STATEMENT OF SIGNIFICANCE

The Brophy Mine Water Pump Station was built between 1880 and 1890. The station was built for the purpose of pumping water out of the Brophy deep mines in order to allow the miners to work in the shafts. The pumping station was built prior to the digging of a drainage tunnel from Clarysville to the Brophy mine in 1905 which became a more adequate and inexpensive way of removing the drainage water from the mine than the previous pumping. The pumping station was powered by steam and remnants of the steam, lever engine are still present in the structure.

The water pumping station, although deteriorated, is a cultural reminder of innovations made to overcome the hardships of mining in Allegany County.

CONTINUE ON SEPARATE SHEET IF NECESSARY

ALV-A-024

9 MAJOR BIBLIOGRAPHICAL REFERENCES

Allegany County Land Records, Cumberland, Maryland

CONTINUE ON SEPARATE SHEET IF NECESSARY

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY _____

VERBAL BOUNDARY DESCRIPTION

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE COUNTY

STATE COUNTY

11 FORM PREPARED BY

NAME / TITLE

John E. Nelson, Program Coordinator of All. Co. Historic Sites

ORGANIZATION

Allegany County Historic Sites Survey

DATE

5/27/76

STREET & NUMBER

10 Park Lane

TELEPHONE

689-8486

CITY OR TOWN

Frostburg

STATE

Maryland

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RETURN TO: Maryland Historical Trust
The Shaw House, 21 State Circle
Annapolis, Maryland 21401
(301) 267-1438

INVENTORY NO. AI-V-A-024

DATE: 5/21/76

RECORDING: Drastic, moderate, minor None - No Longer in use

NAME OF PROPERTY: Mine Shaft Air Vent - Brophy-Water Pump Shaft

LOCATION OF PROPERTY: Along Old Rt 36; 1/2 Mile South of Wright's Crossing

DIRECTION DWELLING FACES: North

NAME OF OWNER: M.D. Coal + Realty Company

ADDRESS: Depot Street

Frostburg, Maryland 21532

STORIES: 1(✓) 2() 3() 4() 5() 6() BAYS: 1() 2() 3() 4(✓) 5() 6() 7() ()

WINGS, ADDITIONS: Metal Shaft

Dwelling Shape: (square) cross, rectangular)

WALL CONSTRUCTION:

- () FRAME: Bevel, clapboard, weatherboard, wood shingles, board & batten (type?)
- (✓) BRICK: Bond type-common English, Flemish. Sketch variants.
- () STONE: Bond type- rubble, ashlar (random or regular), quoins-plain, rusticated
- () LOG
- () Other: Coverings

WALL FEATURES: BELT COURSE, PILASTERS, OTHERS _____

FOUNDATIONS: ~~STONE~~ LOW, BRICK, STONE Cement Surfaced

WATER TABLE: ~~STONE~~ BEVELED, MOULDED BRICK

WINDOWS, TRIM, SHUTTERS: 1/1() 2/2() 6/6() 9/6() 9/9() other()
pegged () nailed () wide () narrow () mitred () pediment ()

ENTRANCE, DOORS: LOCATION: _____

HARDWARE: original(✓) replaced()
PAN LIGHT, TRANSOM, SIDE LIGHTS, PLAIN
Paneled, Verticle, Horizontal Boards Large Metal Doors

CORNICE, BARGE, EAVES: (crown, fascia, soffit, bed)
original() replaced() Rafter Ends, Modillions, Dentils, Frieze, Architrave

ROOF: GABLE FRONT, GABLE FLANK, HIP, SHED, BANGARD, GAMBREL, FLAT, DORMERS #
MATERIAL: wood shingles, slate, tin, asphalt original(✓) replaced() Cement

PORCHES: SHAPE OF ROOF - shed() hip() gable()

CHIMNEYS: NUMBER _____ BRICK() STONE() CORBELLED() original() replaced()
LOCATION: Flush end() Inside end() Outside end() Central() Interior()

ARCHES: Door and window: Keystone, Flat, Segmental, Semicircular Sem: Elliptical

COMMENTS:

- Use -
- Significance -
- Date Constructed -
- Condition - Deteriorated

11-24-24

Key points regarding interior architecture.

1. Floor plan

No through hall--How many rooms long and deep?
Where is stairway? Straight or winding?

With through hall--Rooms on both sides? How many?

Rooms on one side only? How many?

Is stair in through hall?

Open or enclosed? Straight--one run. Straight--landing

How many? Curved.

If not in hall, where is stair?

2. Wall finish: plaster, paneled, board partition

Note presence of chair rail, cornice, etc.

3. Fireplaces: How many? Parallel to walls or diagonal in corner?

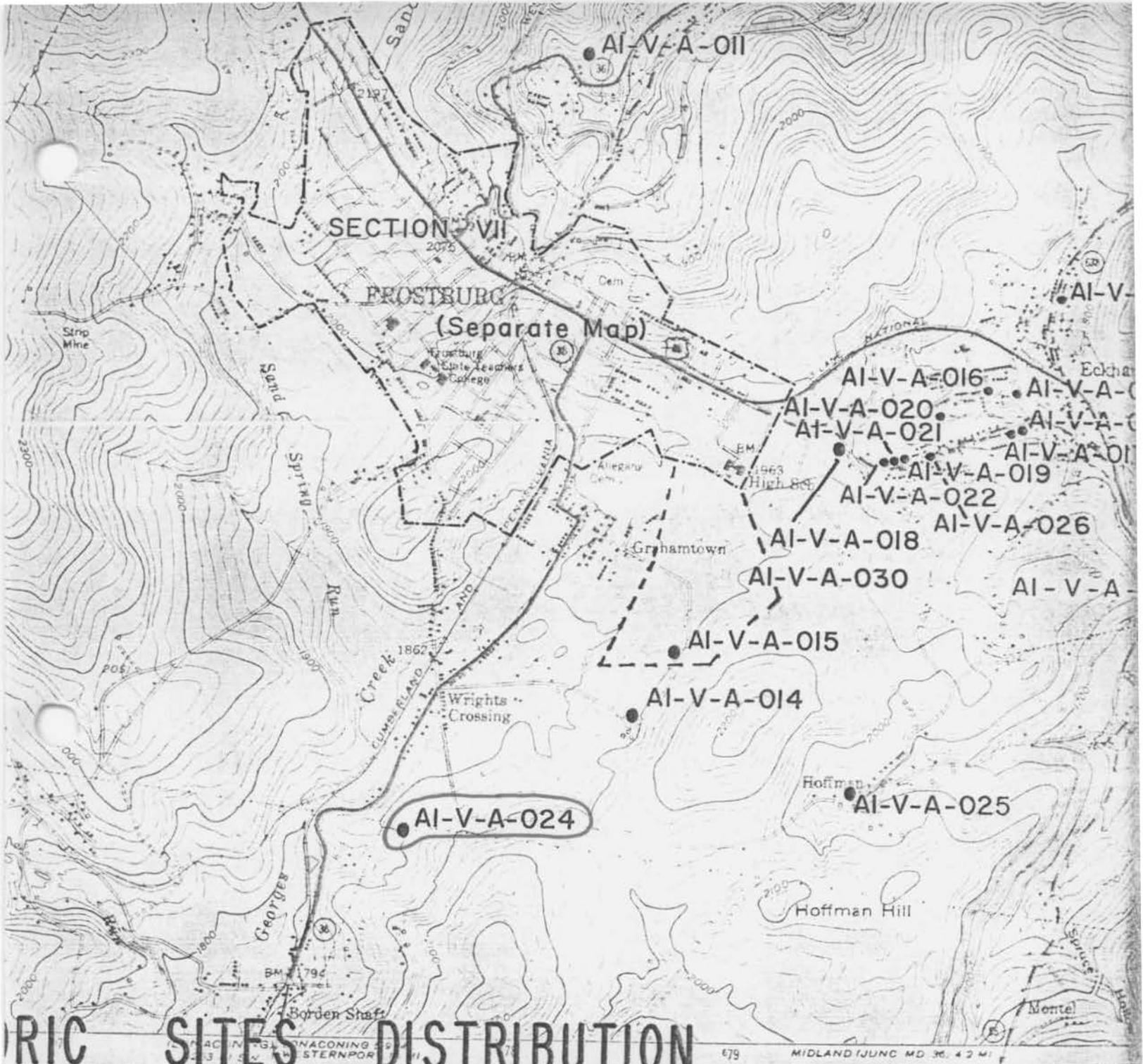
Mantels: wood--mouldings, pilasters, columns
masonry--marble(what color?), brick

3. Doors: on the inside of exterior doors, note the presence of applied flush boards and their direction (diagonal, vertical, horizontal). In general are doors paneled or ledge or other?

4. Door and window trim: plain, architrave; fluted, reeded; pilasters

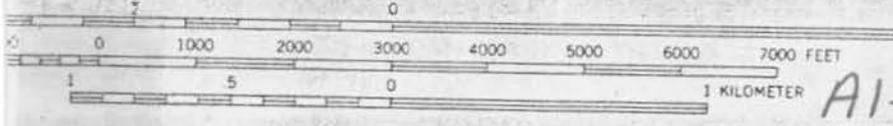
5. Kitchen: Where is original if extant or known (marked by very large fireplace)? Separate building; wing to principal dwelling; within principal dwelling? On which floor of any of the above?

6. Note presence of hand (if any) on any wooden member described.



URANIC SITES DISTRIBUTION

SCALE 1:24000



● = SITE LOCATION

Heavy-duty...
Medium-duty...
□ U

AI-V-A-024
Brophy Mine Water Pump
Rt. 36. S. of Wright's Crossing

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
OR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
FOR DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS - Frostburg Quad
1:24,000
1949



Frostburg, MD-PA
 USGS 7.5 Minute Series
 Scale 1:24,000
 1949; photorevised 1974

AL-V-A-024
 New Shaft Ventilation Fans
 Old Route 36, east side,
 approximately 500 feet south
 of Route 48



Brophy Mine Water Pump

A1-V-A-024

Rt. 36 Shaft

John E. Nelson

5/20/76

South



Brophy Mine Water Pump

A1-U-A-024

Rt. 36 Shaft

John E. Nelson

5/20/76

North



AL-V-A-024

Consolidation Coal Co. Power
Station & Pumping Shaft
Allegany Co., MD 10/81 D. Ware

Photocopy: c.1902-MGS-



AL-V-A-024

New Shaft Ventilation Fans

Allegany Co., MD

D. Ware 9/82 Fan (brick) Hs.

Mine Entrance Looking SE



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New Shaft Ventilation Fans
Allegany County, MD

Donna Ware 9/82

Fan House, Looking N



AL-V-A-024

New Shaft Ventilation Fans

Allegany County, MD

Donna Ware, 9/82

View towards steam engine chamber
& mine entrance Looking South



AL-V-A-024

New Shaft Ventilation Fans
Allegany County, MD

Donna Ware 9/82

Left: 1909 Fan Hs Brick,

Right: c.1930 Fan looking NW



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New Shaft Ventilation Fans

Allegany County, MD

Donna Ware 9-82

Fan Hs, Looking N



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New Shaft Ventilation Fans

Allegheny County, MD

Donna Ware 10-81 *with steel plate hood*

-c.1930 Fan, 1909 brick fan-

house, Looking East

South



AL-V-A-024

New Shaft Ventilation Fans

Allegany County, MD

Donna Ware 10-81

Foreground: c.1930 Fan

Background: 1919 brick fan-
house, looking SE



AL-V-A-024
New Shaft Ventilation Fans
Allegany County, MD

Donna Ware 9/82
Fan House, looking NW



AL-V-A-024

New Shaft Ventilation Fans
Allegheny Co., MD Donna Ware
Horizontal steam engine mount,
Wooden pulley, fan chamber-
extreme right (9/82)



AL-V-A-024

New Shaft Ventilation Fans

Allegany County, MD

Donna Ware 9/82

Horizontal steam engine mount

Wooden pulley, fan chamber-
extreme right.



AL-V-A-024

New Shaft Ventilation Fans

Allegany Co., D. Ware 9/82

Lepley steel fan - 1909



AL-V-A-024

New Shaft Ventilation Fans

Allegany County, MD

Donna Ware 9/82

Fan Hs, Looking N, Wooden pilley



AL-V-A-024

New Shaft Ventilation Fans

Allegheny County, MD

Donna Ware 9/82

Wooden pulley in steam
chamber and mount for engine