



677

**United States Department of Interior
National Park Service**

**National Register of Historic Places
Registration Form**

This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in *How to Complete the National Register of Historic Places Registration Form* (National Register Bulletin 16A). Complete each item by marking "x" in the appropriate box or by entering the information requested. If an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and subcategories from the instructions. Place additional entries and narrative items on continuation sheets (NPS Form 10-900A). Use a typewriter, word processor, or computer, to complete all items.

1. Name of Property

historic name Appomattox Shipwreck (Boundary expansion and additional information)

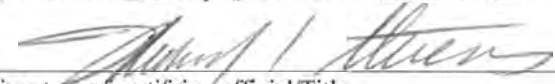
other names/site number

2. Location

street & number	150 yards off Atwater Beach	N/A	not for publication
city or town	Shorewood	N/A	vicinity
state Wisconsin	code WI	county Milwaukee	code 079
			zip code 53211

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this nomination request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property meets does not meet the National Register criteria. I recommend that this property be considered significant nationally Statewide locally. (See continuation sheet for additional comments.)



Signature of certifying official/Title

7/28/11

Date

State Historic Preservation Officer - Wisconsin

State or Federal agency and bureau

In my opinion, the property meets does not meet the National Register criteria.
(See continuation sheet for additional comments.)

Signature of commenting official/Title

Date

State or Federal agency and bureau

Appomattox Shipwreck

Milwaukee County

Wisconsin

Name of Property

County and State

4. National Park Service Certification

I hereby certify that the property is:

entered in the National Register.

See continuation sheet

determined eligible for the

National Register.

See continuation sheet

determined not eligible for the

National Register.

See continuation sheet

removed from the National

Register.

other, (explain:)

Signature of the Keeper

Date of Action

5. Classification

Ownership of Property
(check as many boxes as
as apply)

private

public-local

X public-State

public-Federal

Category of Property
(Check only one box)

building(s)

district

structure

X site

object

Number of Resources within Property
(Do not include previously listed resources
in the count)

contributing

noncontributing

buildings

sites

structures

objects

0

total

Name of related multiple property listing:

(Enter "N/A" if property not part of a multiple property
listing.)

Great Lakes Shipwrecks of Wisconsin

**Number of contributing resources
previously listed in the National Register**

1

6. Function or Use

Historic Functions

TRANSPORTATION/water-related

Current Functions

VACANT/ not in use

7. Description

Architectural Classification

N/A

Materials

Foundation N/A

walls N/A

roof N/A

other N/A

Narrative Description

(Describe the historic and current condition of the property on one or more continuation sheets.)

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet

Section 7 Page 1

Appomattox Shipwreck (Boundary expansion and additional information)
Milwaukee County, Wisconsin

Introduction

An archaeological survey of the main wreckage of the wooden bulk freighter *Appomattox* was conducted in June and July 2003, and the shipwreck site was listed on the National Register of Historic Places January 20, 2005. At the time of the survey it was noted in the archaeologist's records that another shipwreck, the steamer *Josephine* lay nearby, nearly up on the beach, north of the Atwater swimming area. A follow-up site visit to the *Appomattox* was conducted in July 2006 to obtain photographs for a historic interpretation panel to be placed in the park at Atwater Beach. On that visit, archaeologists located the "*Josephine*" and it was determined that this piece of wreckage was not of another shipwreck but was the missing starboard hull section of the *Appomattox*. A survey of the wreck site was initiated in 2007 by divers from the Great Lake Shipwreck Research Foundation, but that survey was never completed and in July 2010 archaeologists from Wisconsin Historical Society independently completed a site plan of the starboard hull fragment.

Site Description

The starboard side of the *Appomattox* is located 300 feet away from the main wreckage and lies in 3 to 6 feet of water just to the north of the northernmost jetty which defines the breakwater of Atwater Beach in the village of Shorewood, Milwaukee County. The extant starboard side piece is 127.84 feet long by 24.2 feet wide and is lying with outer hull facing down, intact from the first futtock up to the top strake. The starboard piece is lying on a bearing of 310 degrees with the stern end pointing toward the beach.

Where outer hull planking is accessible it is .27 feet thick and ranges from .63 feet to .68 feet wide. The outer hull planking is held in place with through pins and clinches rings. Inside the outer hull planking is the remains of an iron hogging arch 1.15 feet wide which extends the length of the hull section and is made up of multiple plates. Between the iron hogging arch and the frames is the remains of iron cross-bracing that provided additional longitudinal strength. This bracing was arranged in a lattice or basket weave fashion and fastened with drift bolts. This basket weave then attaches to the extant frames with each futtock .3 feet wide and .7 feet high and paired with another to make a frame .6 feet thick with each frame at 1.0 feet spacing from the next. Attached to the frames is the ceiling planking which is .25 thick and ranges from .65 feet wide to .9 feet wide. Another hogging arch is then extant measuring 1.15 feet wide and extending the length of the hull on top of the ceiling planking. Upon further investigation of the main wreck site it was found that contrary to the earlier report one remnant section of hogging arch was present in the same location as that found and described on the starboard section.

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet

Section 7 Page 2

Appomattox Shipwreck (Boundary expansion and additional information)
Milwaukee County, Wisconsin

A lower deck shelf is also extant, supported by hanging knees .5 wide by 2.5 feet long. The lower deck shelf beam is .26 feet wide with spacing of .58 feet to the upper beam which is .2 feet wide. The upper deck shelf is also extant supported by knees .5 wide and 2.5 feet long spaced at 1.85 feet intervals. One feature of note is the presence of a through hole which is dome shaped measuring 1.1 feet wide and 1.17 feet high. The hole is located 70 feet from the bow end and is steel framed.

Reports from local divers indicate that the steam whistle from the *Appomattox* has uncovered from the sand in the vicinity of the main wreckage. Other artifacts within the debris field of the wreck are uncovering as sand shifts in the area, making the expansion of the boundary area pertinent in the protection of the integrity of the site.

Significance

The *Appomattox* was built in 1896 by master shipbuilder James Davidson, and at the time she was the largest wooden bulk carrier constructed on the Great Lakes. Davidson's career straddled the transformation from wooden to steel hull construction on the Lakes, but Davidson continued to push the length limits of wooden ship construction at a time when many of his contemporaries switched to building iron and steel hulled vessels. Davidson refined methods and techniques unique in pushing the engineering window, allowing for the lengthening of wooden vessels. Much of what we know of Davidson's work we have learned from the archaeological record that exists on the lakebed today. The recently documented starboard hull section of the *Appomattox* has furthered our understanding of Davidson's shipbuilding methodology and has provided previously unknown information about reinforcing techniques that Davidson employed on his vessels.

8. Statement of Significance

Applicable National Register Criteria

(Mark "x" in one or more boxes for the criteria qualifying the property for the National Register listing.)

- A Property is associated with events that have made a significant contribution to the broad patterns of our history.
- B Property is associated with the lives of persons significant in our past.
- C Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
- D Property has yielded, or is likely to yield, information important in prehistory or history.

Criteria Considerations

(Mark "x" in all the boxes that apply.)

Property is:

- A owned by a religious institution or used for religious purposes.
- B removed from its original location.
- C a birthplace or grave.
- D a cemetery.
- E a reconstructed building, object, or structure.
- F a commemorative property.
- G less than 50 years of age or achieved significance within the past 50 years.

Areas of Significance

(Enter categories from instructions)

Archaeology/ Historic non-aboriginal
Maritime History
Architecture

Period of Significance

1897-1905

Significant Dates

N/A

Significant Person

(Complete if Criterion B is marked)

N/A

Cultural Affiliation

Euro-American

Architect/Builder

Davidson, James

Narrative Statement of Significance

(Explain the significance of the property on one or more continuation sheets.)

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet

Section 8 Page 1

Appomattox Shipwreck (Boundary expansion and additional information)
Milwaukee County, Wisconsin

Previously identified in the early 1980s by local divers as the shipwreck *Josephine*, and identified in 2006 by Wisconsin Historical Society archaeologists as the missing starboard hull of the *Appomattox*, this hull section has provided important information about the construction techniques employed by master shipbuilder James Davidson. The survey of the starboard hull section provided additional information to the previous work undertaken on the *Appomattox* shipwreck site.

The dimensions and spacing of diagnostic timbers and the absence of a keel revealed that the shipwreck piece was in fact the starboard section that was missing from the *Appomattox* shipwreck site and not a separate shipwreck as previously thought. In addition, the presence of both an interior and exterior hogging arch provided previously unknown information on the construction techniques used by Davidson. This technique incorporated a sandwich-like structure whereby the outer hull planking was supported internally by a hogging arch which was in turn strengthened by lattice like iron framing and then attached to the vessel's frames. Ceiling planking was then attached to the interior of the frames with an additional hogging truss running along the top of this planking. This is the first time this construction technique has been archaeologically recorded for one of Davidson's vessels and upon reinvestigation of the main wreckage site previously undiscovered remnants of an interior hogging truss were also found there.

The *Appomattox* was 319 feet in length and primarily carried cargos of iron ore and coal. At the time of her build, she was the largest wooden hulled, steam-powered bulk freighter ever built on the Great Lakes. No historical record of ship construction exists today, making archaeological examples particularly significant. Information gathered from the *Appomattox* site has produced a wealth of archaeological knowledge and has increased our understanding of wooden bulk freighter construction and use on the Great Lakes. The *Appomattox* site retains the potential to yield even greater insight into this vessel type in future years.

Appomattox Shipwreck
Name of Property

Milwaukee County County Wisconsin
County and State

9. Major Bibliographic References

(Cite the books, articles, and other sources used in preparing this form on one or more continuation sheets.)

Previous Documentation on File (National Park Service):

- preliminary determination of individual listing (36 CFR 67) has been requested
- previously listed in the National Register
- previously determined eligible by the National Register
- designated a National Historic landmark
- recorded by Historic American Buildings Survey #
- recorded by Historic American Engineering Record #

Primary location of additional data:

- State Historic Preservation Office
- Other State Agency
- Federal Agency
- Local government
- University
- Other

Name of repository:

10. Geographical Data

Acreege of Property 20.327 Acres

UTM References (Place additional UTM references on a continuation sheet.)

1 16 0429546 4771225
 Zone Easting Northing

2 16 0429126 4771270
 Zone Easting Northing

3 16 0428893 4771470
 Zone Easting Northing

4 16 0428886 4771554
 Zone Easting Northing

5 16 0429534 4771288
 Zone Easting Northing

See Continuation Sheet

Verbal Boundary Description (Describe the boundaries of the property on a continuation sheet)

Boundary Justification (Explain why the boundaries were selected on a continuation sheet)

11. Form Prepared By

name/title Matt Carter and Tamara Thomsen
organization Wisconsin Historical Society
street & number 816 State Street
city or town Madison

state WI

date 8/12/10
telephone 608-221-5909
zip code 53706

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet

Section 9 Page 1

Appomattox Shipwreck (Boundary expansion and additional information)
Milwaukee County, Wisconsin

Cooper, David J. and Paul P. Kreisa, Great Lakes Shipwrecks of Wisconsin. National Park Service, National Register of Historic Places Multiple Property Documentation Form. Unpublished manuscript on file, Division of Historic Preservation, Wisconsin Historical Society, Madison, Wisconsin. 1992.

United States Department of the Interior
National Park Service

National Register of Historic Places
Continuation Sheet

Section 10 Page 1

Appomattox Shipwreck (Boundary expansion and additional information)
Milwaukee County, Wisconsin

Verbal Boundary description:

The new boundary includes the earlier boundaries within the new, larger boundaries. The new boundary both adds to and replaces the earlier boundary.

The *Appomattox* shipwreck (boundary expansion) site is bounded by a five sided polygon drawn to encompass the extent of the wrecksite, associated artifacts and potentially undiscovered shipwreck material associated with the vessel. The first side of the polygon extends from Point 1 at Zone 16 428893 Easting 4771470 Northing and extends 2,295 feet on a bearing of 110 degrees to Point 2 at Zone 16 429534 Easting 4771288 Northing. From Point 2, the boundary extends 206 feet on a bearing of 165 degrees to Point 3 located at Zone 16 429534 Easting 4771288 Northing. The third side extends from this point 1,377 feet on a bearing of 270 degrees to Point 4 located at Zone 16 429546 Easting 4771225 Northing. From this point, the fourth side extends 1000 feet on a bearing of 310 degrees to Point 5, located at Zone 16 429126 Easting 4771270 Northing. The final side extends 275 feet on a bearing of 355 degrees to close the polygon.

Boundary justification:

This boundary expansion encompasses the original two circular boundaries, which were connected by the 1 ft wide strip of land as described in the original National Register of Historic Places nomination for the *Appomattox* shipwreck, and extends this boundary to include the area of the starboard hull section and areas of previously unknown artifact deposition. This additional area is important as reports from local divers indicate that recently other important associated artifacts in the vicinity of the wreck are uncovering as sand shifts in the area, making the expansion of the boundary area pertinent in the protection of the integrity of the site and encompassing the known artifact field.

Appomattox Shipwreck
Name of Property

Milwaukee County
County and State

Wisconsin

Additional Documentation

Submit the following items with the completed form:

Continuation Sheets

Maps A USGS map (7.5 or 15 minute series) indicating the property's location.
A sketch map for historic districts and properties having large acreage or numerous resources.

Photographs Representative black and white photographs of the property.

Additional Items (Check with the SHPO or FPO for any additional items)

Property Owner

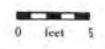
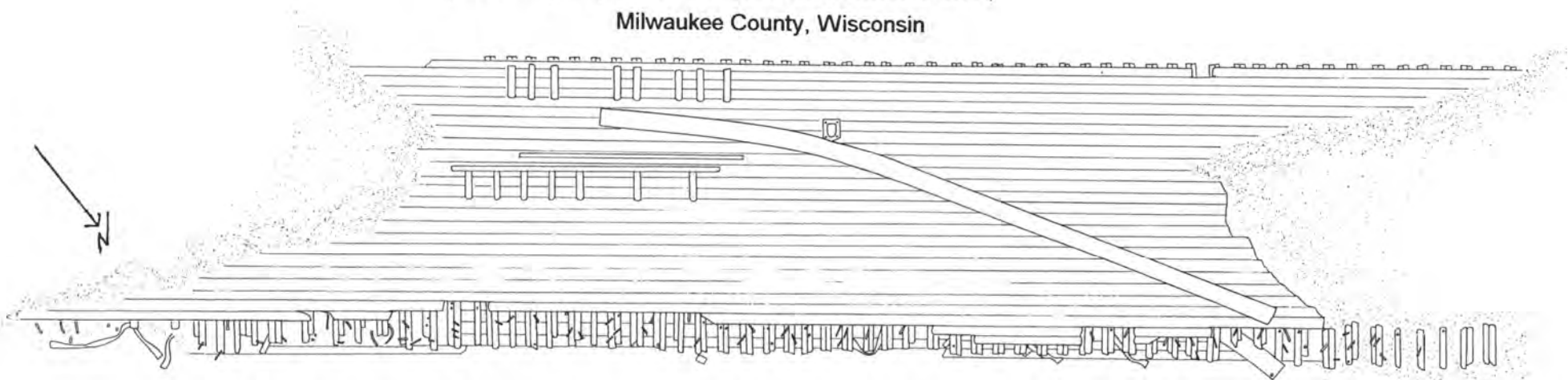
Complete this item at the request of SHPO or FPO.)

name/title					
organization					date
street&number					telephone
city or town	state	WI			zip code

Paperwork Reduction Act Statement: This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 470 *et seq.*).

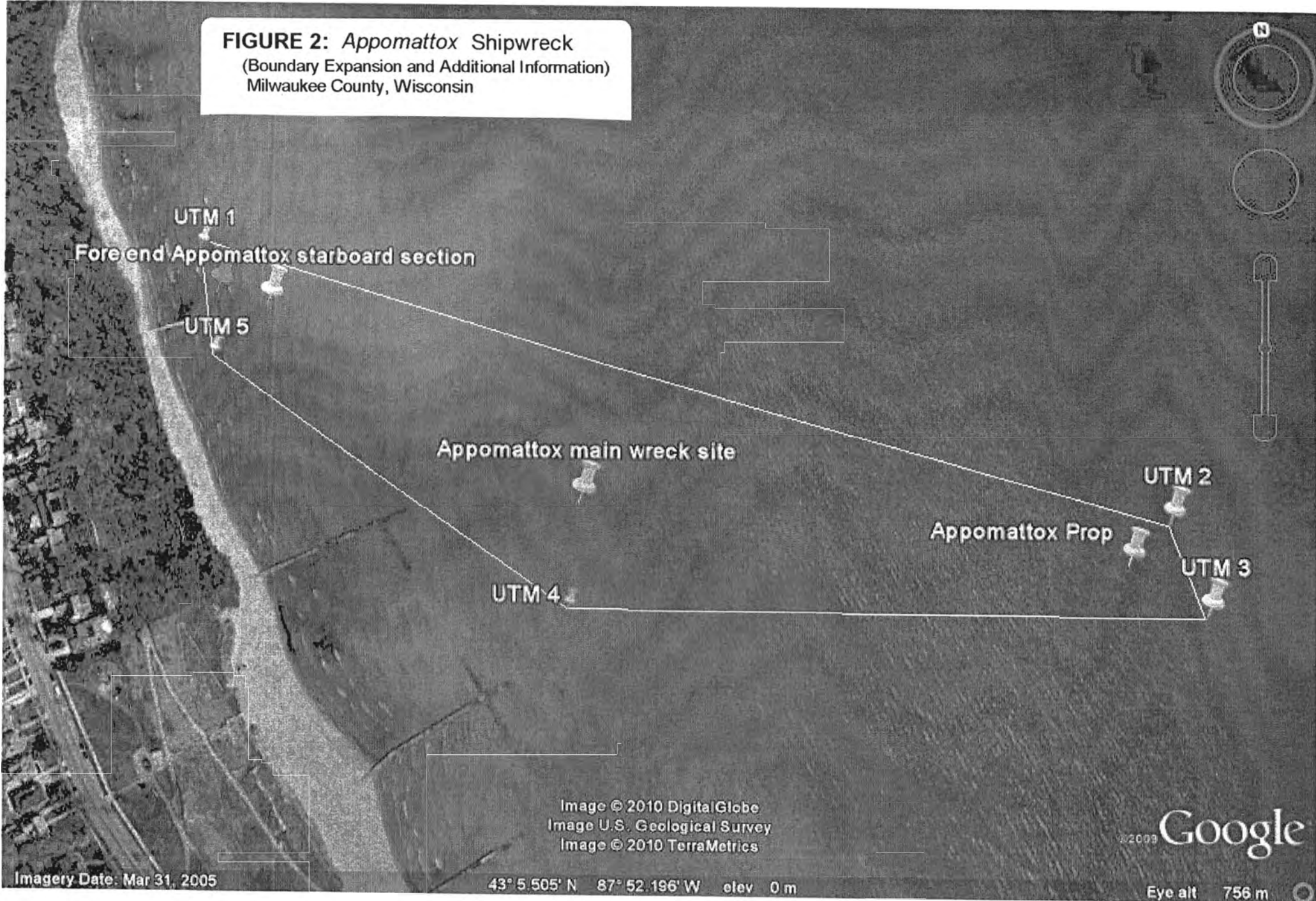
Estimated Burden Statement: Public reporting burden for this form is estimated to average 18.1 hours per response including time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding this burden estimate or any aspect of this form to the Chief, Administrative Services Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7127; and the Office of Management and Budget, Paperwork Reductions Projects, (1024-0018), Washington, DC 20503.

FIGURE 1: *Appomattox* Shipwreck
(Boundary Expansion and Additional Information)
Milwaukee County, Wisconsin



Wisconsin Historical Society
Maritime Preservation and Archaeology

FIGURE 2: Appomattox Shipwreck
(Boundary Expansion and Additional Information)
Milwaukee County, Wisconsin



UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY APPOMATTOX (shipwreck) *Boundary Increase*
NAME:

MULTIPLE Great Lakes Shipwreck Sites of Wisconsin MPS
NAME:

STATE & COUNTY: WISCONSIN, Milwaukee

DATE RECEIVED: 8/05/11 DATE OF PENDING LIST: 8/31/11
DATE OF 16TH DAY: 9/15/11 DATE OF 45TH DAY: 9/20/11
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 11000677

REASONS FOR REVIEW:

APPEAL: N DATA PROBLEM: N LANDSCAPE: N LESS THAN 50 YEARS: N
OTHER: N PDIL: N PERIOD: N PROGRAM UNAPPROVED: N
REQUEST: N SAMPLE: N SLR DRAFT: N NATIONAL: N

COMMENT WAIVER: N

ACCEPT RETURN REJECT 9.15.11 DATE

ABSTRACT/SUMMARY COMMENTS:

Entered in
The National Register
of
Historic Places

RECOM./CRITERIA _____

REVIEWER _____ DISCIPLINE _____

TELEPHONE _____ DATE _____

DOCUMENTATION see attached comments Y/N see attached SLR Y/N

If a nomination is returned to the nominating authority, the nomination is no longer under consideration by the NPS.

Missing Core Documentation

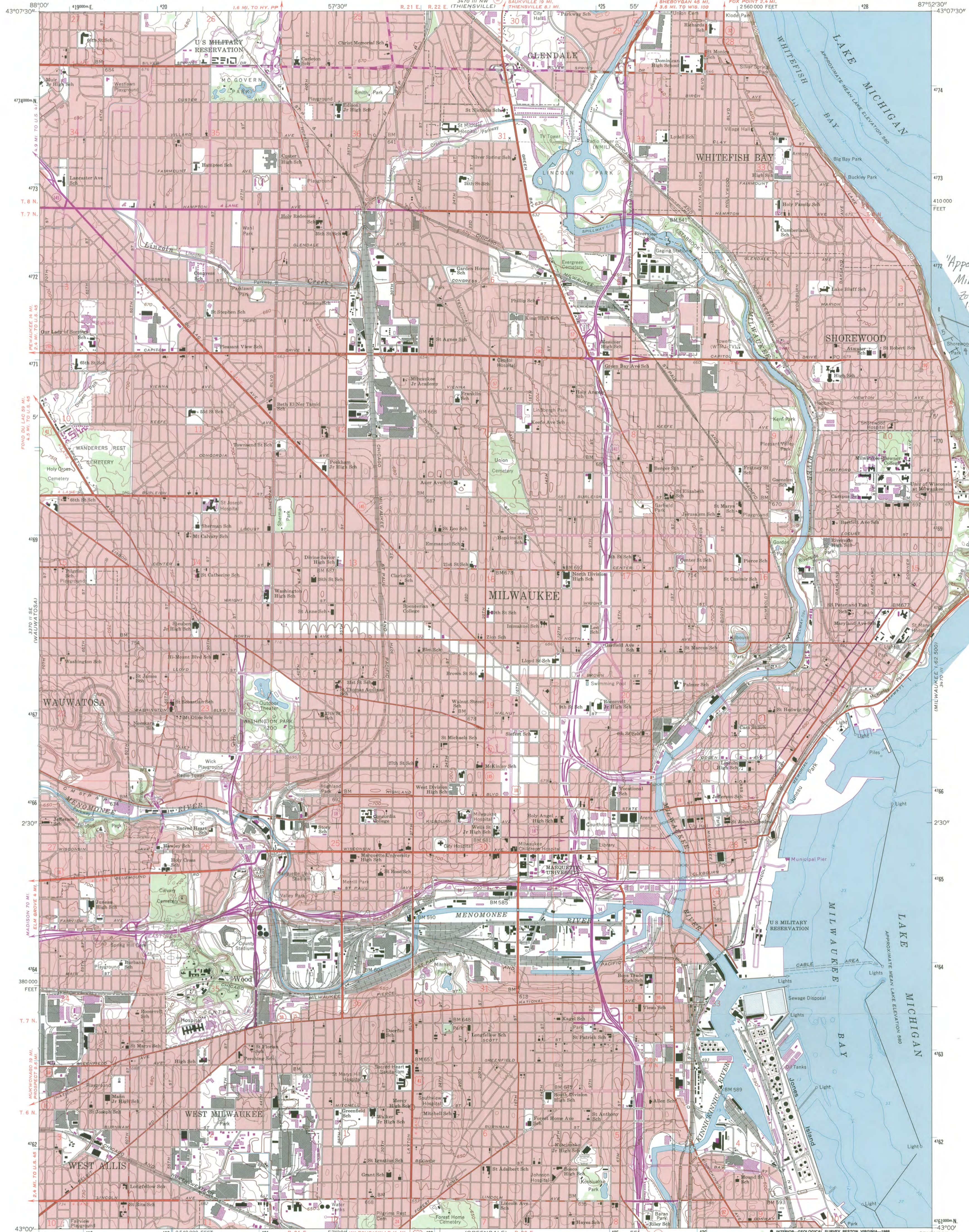
Property Name County, State	Multiple Property Name	Reference Number
Appomattox (Shipwreck) Milwaukee, WI	Great Lakes Shipwreck Sites of Wisconsin MPS	11000677

The following Core Documentation is missing from this entry:

Nomination Form

Photographs

USGS Map



Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and City of Milwaukee

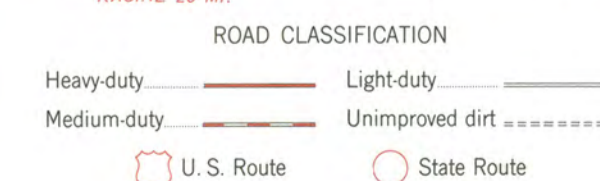
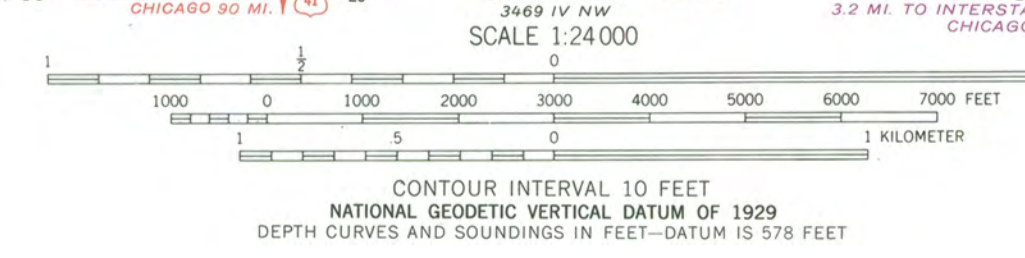
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1954-1955. Field check 1958

Hydrography compiled from U. S. Lake Survey charts 74
and 743 (1957)

Polyconic projection. 1927 North American datum
10,000-foot grid based on Wisconsin coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks,
zone 16, shown in blue

Red tint indicates areas in which only landmark buildings are shown

Revisions shown in purple compiled from aerial photographs
taken 1971. This information not field checked



MILWAUKEE, WIS.
SW/4 MILWAUKEE 15' QUADRANGLE
43087-AB-TF-024

1958
PHOTOREVISED 1971
DMA 3470 III SW—SERIES V861

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY, MADISON, WISCONSIN 53706
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

To place on the predicted North American Datum 1983,
move the projection lines 3 meters north and
6 meters east as shown by dashed corner ticks



TO: Keeper
National Register of Historic Places

FROM: Daina Penkiunas

SUBJECT: National Register Nomination

The following materials are submitted on this 2nd day of August 2011,
for nomination of the Appomattox Shipwreck (Boundary Increase and Additional Information) to the National Register of Historic Places:

- 1 Original National Register of Historic Places nomination form
- _____ Multiple Property Nomination form
- _____ Photograph(s)
- _____ CD with electronic images
- 1 Original USGS map(s)
- 2 Sketch map(s)/figure(s)/exhibit(s)
- _____ Piece(s) of correspondence
- _____ Other _____

COMMENTS:

- _____ Please insure that this nomination is reviewed
- _____ This property has been certified under 36 CFR 67.
- _____ The enclosed owner objection(s) do _____ do not _____
constitute a majority of property owners.
- X Other: The Appomattox Shipwreck is previously listed in the NRHP.
This submission shares details re: a boundary expansion for the
shipwreck site and supplies additional information about this site.