HAER INVENTORY

Historic American Engineering Record
Department of the Interior, Washington, D.C.

1. SITE I.D. NO

2. INDUSTRIAL CLASSIFICATION: TRANS: MARINE: Nav. Aids — 5 5 0 1

3. PRIORITY: 2

4. DANGER OF DEMOLITION? (SPECIFY THREAT) ☐ YES ☒ NO ☐ UNKNOWN

5. DATE: 1889; 1897

6. GOVT SOURCE OF THREAT: OWNER ADMIN

7. OWNER/ADMIN: United States Coast Guard, DOT

8. NAME(S) OF STRUCTURE: Plum Island Range Rear Light

9. OWNER'S ADDRESS: 400 7th Street SW
Washington, D.C. 20590

10. STATE: WI — COUNTY: Door — CITY/VICINITY: Gills Rock vic. — CONG. DIST.

STATE — COUNTY NAME — CITY/VICINITY — CONG. DIST.

11. SITE ADDRESS (STREET & NO.): Southwest side of Plum Island

12. EXISTING SURVEYS: ☐ NR ☐ NHL ☐ HABS ☐ HAER—I ☐ HAER ☐ NPS ☐ CL6 ☐ CONF ☐ STATE ☐ COUNTY ☐ LOCAL ☐ OTHER

13. SPECIAL FEATURES (DESCRIBE BELOW): ☐ INTERIOR INTACT ☒ EXTERIOR INTACT ☐ ENVIRONS INTACT

14. UTM ZONE 16 — EASTING 503300 — NORTHING 5016930 — SIGN — SCALE ☐ 1:24 ☒ 1:62.5 ☐ OTHER — QUAD NAME: Washington Island

UTM ZONE — EASTING — NORTHING — SIGN — SCALE ☐ 1:24 ☒ 1:62.5 ☐ OTHER — QUAD NAME

15. CONDITION: 70 ☐ EXCELLENT 71 ☒ GOOD 72 ☐ FAIR 73 ☐ DETERIORATED 74 ☐ RUINS 75 ☐ UNEXPOSED 76 ☒ ALTERED 82 ☐ DESTROYED 85 ☐ DEMOLISHED

16. INVENTORIED BY: Charles K. Hyde — AFFILIATION: HAER-Great Lakes Lighthouse Survey — DATE: 7/12/1979

17. DESCRIPTION AND BACKGROUND HISTORY, INCLUDING CONSTRUCTION DATE(S), HISTORICAL DATE(S), PHYSICAL DIMENSIONS, MATERIALS, EXTANT EQUIPMENT, AND IMPORTANT BUILDERS, ENGINEERS, ETC.

The Plum Island Range Lights were established in 1897 to help guide shipping through the dangerous Port des Morts Passage between Lake Michigan and Green Bay. The Range Front Light Tower was replaced in 1964 with a steel skeletal tower. The rear range light, however, is an iron skeletal pyramidal structure surmounted by an iron watchroom 8 feet in diameter surmounted by an octagonal lantern, both reached through a round cast iron stair cylinder. Overall, the structure is 65 feet high from the base to the top of the ventilator ball and creates a lens focal plane 80 feet above the mean low water level. The lens is a Fourth Order Fresnel, fixed, manufactured by Sautter, Lemonnier, and Co. of Paris in 1889. The 1964 tower is not within the nominated acreage. No other buildings are included.

(CONT OVER)

18. ORIGINAL USE: Range Light — PRESENT USE: Range Light — ADAPTIVE USE:

19. REFERENCES—HISTORICAL REFERENCES, PERSONAL CONTACTS, AND/OR OTHER

Clippings Files from the Annual Reports of the U.S. Lighthouse Service, Record Group 26, National Archives.

(CONT OVER)

20. URBAN AREA 50,000 POP. OR MORE? ☐ YES ☒ NO

21. HCRS REGION

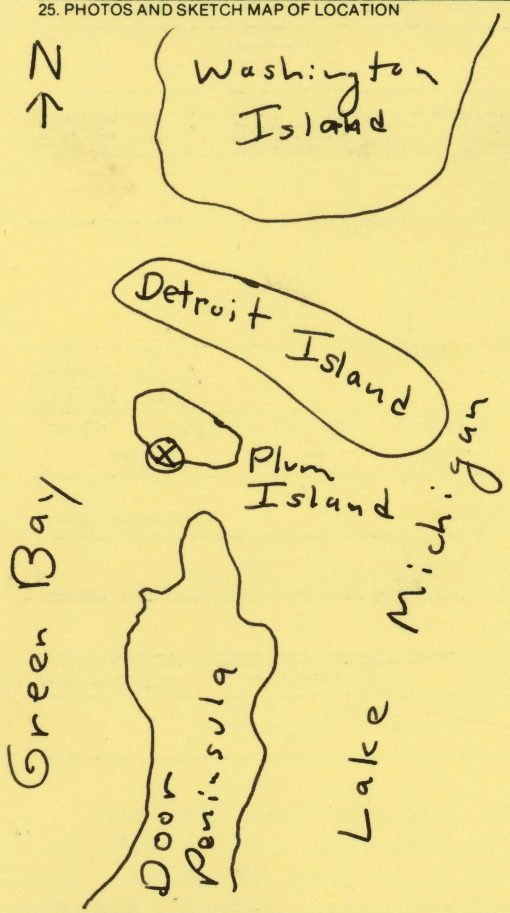
22. PUBLIC ACCESSIBILITY ☐ YES, LIMITED ☐ YES, UNLIMITED ☒ NO ☐ UNKNOWN

23. EDITOR INDEXER

24. LOCATED IN AN HISTORIC DISTRICT? ☐ YES ☒ NO NAME DISTRICT I.D. NO

FHR-8-260 1/79

25. PHOTOS AND SKETCH MAP OF LOCATION





DESCRIPTION (CONTINUED)

REFERENCES (CONTINUED)

VBD: see map, approx. 5 acres

This is one of the oldest skeletal lighthouse structures on the Great Lakes and it played an important role in the operation of the port of Green Bay.

ABSTRACT

HAER NO | LC | TECH REPORT | HIST REPORT | CONTEMP PHOTO | HIST PHOTO | CONTEMP DRWG | HIST DRWG | COLOR PLATE | PHOTOGRAM | SW | FILM

GPO 937 842

FEDERAL

WASO Form - 177
("R" June 1984)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

Plum Island Range Rear Light (U.S. Coast Guard Lighthouses and Light Stations on the Great Lakes TR)
Door County
WISCONSIN

Substantive Review

Working No. 6/21/83
Fed. Reg. Date:
Date Due: 7/21/83-8/5/83
Action: ___ ACCEPT
✓ RETURN 8/4/83
___ REJECT
Federal Agency: U.S. Coast Guard

☐ resubmission
☐ nomination by person or local government
☐ owner objection
☐ appeal

Substantive Review: ☐ sample ☐ request ☐ appeal ☐ NR decision

Reviewer's comments:

Recom./Criteria Return
Reviewer Gravens
Discipline Historian
Date 8/4/83
___ see continuation sheet

Nomination returned for: X technical corrections cited below
___ substantive reasons discussed below

1. Name

2. Location

3. Classification

Category	Ownership	Status	Present Use
	Public Acquisition	Accessible	

4. Owner of Property

5. Location of Legal Description

6. Representation in Existing Surveys

Has this property been determined eligible? ☐ yes ☐ no

7. Description

Condition		Check one	Check one
☐ excellent	☐ deteriorated	☐ unaltered	☐ original site
☐ good	☐ ruins	☐ altered	☐ moved date ___
☐ fair	☐ unexposed		

Describe the present and original (if known) physical appearance

☐ summary paragraph
☐ completeness
☐ clarity
☐ alterations/integrity
☐ dates
☐ boundary selection

8. Significance

Period Areas of Significance—Check and justify below

Specific dates Builder/Architect
Statement of Significance *(in one paragraph)*

- ☐ summary paragraph
- ☐ completeness
- ☐ clarity
- ☐ applicable criteria
- ☐ justification of areas checked
- ☐ relating significance to the resource
- ☐ context
- ☐ relationship of integrity to significance
- ☐ justification of exception
- ☐ other

9. Major Bibliographical References

10. Geographical Data

Acreage of nominated property _____
Quadrangle name _____
UTM References

Verbal boundary description and justification

11. Form Prepared By

12. State Historic Preservation Officer Certification
The evaluated significance of this property within the state is:

____ national ____ state ____ local

State Historic Preservation Officer signature

title date

13. Other

- ☒ Maps Please provide USGS map
- ☐ Photographs
- ☐ Other

Questions concerning this nomination may be directed to _____

Signed Beth Grosvenor Date 8/4/83 Phone: _____

Comments for any item may be continued on an attached sheet

WASO Form - 177
("R" June 1984)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

Plum Island Range Rear Light (U.S. Coast Guard
Lighthouses and Light Stations on the Great Lakes TR)
Door County
WISCONSIN

Substantive Review

Working No. 6/21/83
Fed. Reg. Date: _____
Date Due: 6/24/84
Action: ___ ACCEPT
___ RETURN 6/21/84
___ REJECT
Federal Agency: U.S. Coast Guard DOT

☒ resubmission
☐ nomination by person or local government
☐ owner objection
☐ appeal

Substantive Review: ☒ sample ☐ request ☐ appeal ☐ NR decision

Reviewer's comments: USGS needed

Recom./Criteria RETURN
Reviewer DUBIE
Discipline HIST
Date 6/21/1984
___ see continuation sheet

Nomination returned for: X technical corrections cited below
___ substantive reasons discussed below

1. Name

2. Location

3. Classification

Category	Ownership	Status	Present Use
	Public Acquisition	Accessible	

4. Owner of Property

5. Location of Legal Description

6. Representation in Existing Surveys

Has this property been determined eligible? ☐ yes ☐ no

7. Description

Condition		Check one	Check one
☐ excellent	☐ deteriorated	☐ unaltered	☐ original site
☐ good	☐ ruins	☐ altered	☐ moved date _____
☐ fair	☐ unexposed		

Describe the present and original (if known) physical appearance

☐ summary paragraph
☐ completeness
☐ clarity
☐ alterations/integrity
☐ dates
☐ boundary selection

8. Significance

Period Areas of Significance—Check and justify below

Specific dates Builder/Architect
Statement of Significance *(in one paragraph)*

- ☐ summary paragraph
- ☐ completeness
- ☐ clarity
- ☐ applicable criteria
- ☐ justification of areas checked
- ☐ relating significance to the resource
- ☐ context
- ☐ relationship of integrity to significance
- ☐ justification of exception
- ☐ other

9. Major Bibliographical References

10. Geographical Data

Acreage of nominated property _____
Quadrangle name _____
UTM References

Verbal boundary description and justification

11. Form Prepared By

12. State Historic Preservation Officer Certification
The evaluated significance of this property within the state is:

____ national ____ state ____ local

State Historic Preservation Officer signature

title date

13. Other

X ☐ Maps Original, full size USGS map needed
☐ Photographs
☐ Other

Questions concerning this nomination may be directed to Beth Grosvenor 202-343-9545

Signed [signature] Date 6/21/1984 Phone: _____

Comments for any item may be continued on an attached sheet

NPS Form 10-900-a
(3-82)

OMB No. 1024-0018
Exp. 10-31-84

United States Department of the Interior
National Park Service

National Register of Historic Places Inventory—Nomination Form

For NPS use only
received
date entered

Continuation sheet | Item number | Page 5 of 15

Multiple Resource Area
Thematic Group

Name U.S. Coast Guard Lighthouses and Light Stations on the Great Lakes TR
State IL, MI, MN, NY, OH, PA, & WI

	Nomination/Type of Review			Date/Signature
41.	West Sister Island Light	Substantive Review	Keeper	Beth Grosvenor 8/4/83
			Attest	
PA 42.	Presque Isle Light	Entered in the National Register	for Keeper	Arlene Byrne 8/4/83
			Attest	
WI ✓ 43.	La Pointe Light Station	Substantive Review	Keeper	Beth Grosvenor 8/4/83
			Attest	
44.	North Point Lighthouse	Entered in the National Register	for Keeper	Arlene Byrne 7/19/84
			Attest	
45.	Plum Island Range Rear Light	Substantive Review Entered in the National Register	for Keeper	Arlene Byrne 7/19/84
			Attest	
46.	Rawley Point (Twin River Point) Light Station	Entered in the National Register	for Keeper	Arlene Byrne 7/19/8
			Attest	
47.	Sherwood Point Light Station	Substantive Review Entered in the National Register	for Keeper	Arlene Byrne 7/19/84
			Attest	
48.	Sturgeon Bay Canal Lighthouse		for Keeper	Arlene Byrne 7/19/84
		Entered in the National Register	Attest	
49.	Wind Point (Racine Point) Light Station	Substantive Review	for Keeper	Arlene Byrne 7/19/84
			Attest	
		Entered in the National Register		
50.			Keeper	
			Attest	

WASO Form - 177
("R" June 1984)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

Plum Island Range Rear Light (U.S. Coast Guard Lighthouses and Light Stations on the Great Lakes TR)
Door County
WISCONSIN

Working No. 6/21/83
Fed. Reg. Date: 2.5.85
Date Due: 8/4/84
Action: ✓ ACCEPT 7-19-84
___ RETURN
___ REJECT
Federal Agency: US Coast Guard

Substantive Review

Entered in the National Register

☒ resubmission
☐ nomination by person or local government
☐ owner objection
☐ appeal

Substantive Review: ☒ sample ☐ request ☐ appeal ☐ NR decision

Reviewer's comments:

per memo dated 7/2/84 regarding USCG map

Recom./Criteria ___
Reviewer ___
Discipline ___
Date ___
___ see continuation sheet

Nomination returned for: ___ technical corrections cited below
___ substantive reasons discussed below

1. Name

2. Location

3. Classification

Category	Ownership	Status	Present Use
	Public Acquisition	Accessible	

4. Owner of Property

5. Location of Legal Description

6. Representation in Existing Surveys

Has this property been determined eligible? ☐ yes ☐ no

7. Description

Condition
☐ excellent ☐ deteriorated
☐ good ☐ ruins
☐ fair ☐ unexposed

Check one
☐ unaltered
☐ altered

Check one
☐ original site
☐ moved date ___

Describe the present and original (if known) physical appearance

☐ summary paragraph
☐ completeness
☐ clarity
☐ alterations/integrity
☐ dates
☐ boundary selection

8. Significance

Period Areas of Significance—Check and justify below

Specific dates Builder/Architect
Statement of Significance *(in one paragraph)*

☐ summary paragraph
☐ completeness
☐ clarity
☐ applicable criteria
☐ justification of areas checked
☐ relating significance to the resource
☐ context
☐ relationship of integrity to significance
☐ justification of exception
☐ other

9. Major Bibliographical References

10. Geographical Data

Acreage of nominated property _____
Quadrangle name _____
UTM References

Verbal boundary description and justification

11. Form Prepared By

12. State Historic Preservation Officer Certification
The evaluated significance of this property within the state is:

____ national ____ state ____ local

State Historic Preservation Officer signature

title date

13. Other

☐ Maps
☐ Photographs
☐ Other

Questions concerning this nomination may be directed to _____

Signed _____ Date _____ Phone: _____

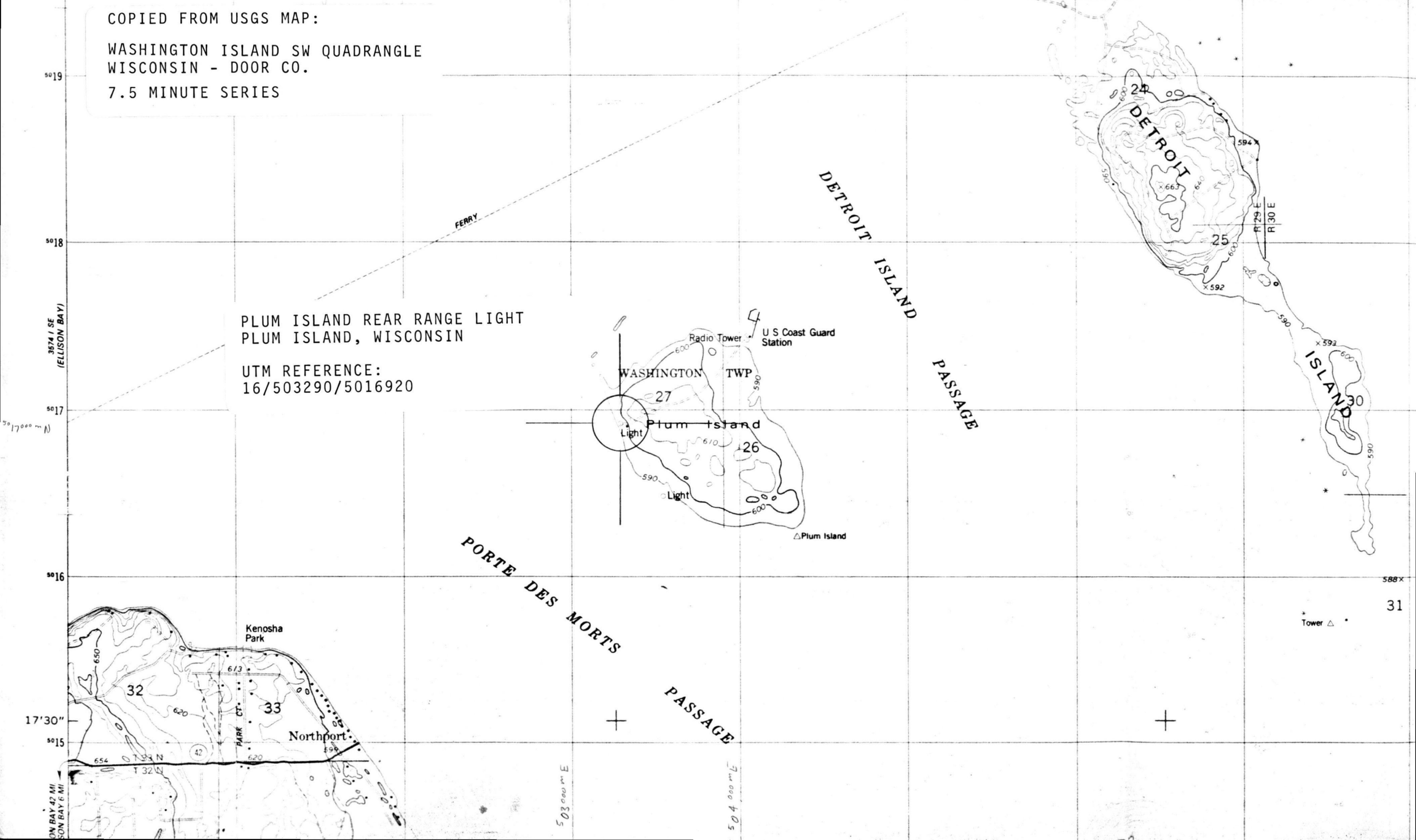
Comments for any item may be continued on an attached sheet

COPIED FROM USGS MAP:

WASHINGTON ISLAND SW QUADRANGLE
WISCONSIN - DOOR CO.
7.5 MINUTE SERIES

PLUM ISLAND REAR RANGE LIGHT
PLUM ISLAND, WISCONSIN

UTM REFERENCE:
16/503290/5016920



Washington Island SW Quadrangle

Wisconsin - Door Co

7.5 Minute series

ANTENNA POLE

60'±

ANTENNA GROUND SYSTEM
100' RADIUS

CABLE ACCESS MANHOLE

4" SEWER

FOG SIGNAL BLDG.

126'

35' ANTENNA POLE

SEPTIC TANK

275 GAL DAY TANK

UNDERGROUND TELEPHONE AND CONTROL CABLE RUNS IN CONDUIT FROM FOG SIGNAL BLDG. TO POLE NO. 1. LENGTH OF TELEPHONE CABLE 275'-0". LENGTH OF CONTROL CABLE 265'-0".

VHF/FM 80' ANTENNA TOWER

FUEL TANKS
1000 GAL.
1000 GAL.
500 GAL.
500 GAL.
5000 GAL.

RANGE LINE EXTENDED

POLE NO. 5 CONTAINS 3 FUSED CUT OUTS, 110 VOLTS, SINGLE PHASE, 2 LOOP TRANSFORMERS, 2 LIGHTNING ARRESTERS, 4 NO. 10 INSULATED AWG WIRES IN 1" RIGID STEEL CONDUIT ON STEEL POLE, 1" DIA. 180'± LONG TO SIGNAL BUILDING.

UNDERGROUND POWER LINE 110V

AERIAL CONTROL CABLE & AERIAL TELEPHONE CABLE

UNDERGROUND POWER LINE (NOT IN USE)

APPROX. .5 acres

TRANSFORMER 110 V

STABILIZING FOR 1600 W LIGHT

REAR LIGHT

OPEN-WIRE POWER

* BLDG. REMOVED

POLE

FLAG POLE

POLE

UNDERGROUND TO 1st POLE

SUBMARINE CABLE TERMINATED IN POT-HEAD. OPEN-WIRE DOUBLE DEAD ENDED TO SIX FUSED CUTOUTS.

SEPTIC TANK

4" SEWER LINE (NOT IN USE)

S 29° 30' E.

1850'

PORTE DES MORTS PASSAGE

APPROX. SHORE LINE

OLD PIER REMOVED OR ABANDONED

SUBMARINE CABLE TO NORTHPORT

TO LAKE MICHIGAN

NOTE:
TELEPHONE AND REMOTE CONTROL LINES RUN UNDERGROUND TO 1ST POLE
POWER LINES RUN UNDERGROUND TO 3RD POLE, ABOUT 400' FROM BLDG

N

3 GUY WIRES 120° APART

TICKET FENCE

80' ANTENNA TOWER

ANTENNA GROUND SYSTEM 100' RADIUS

OVERHEAD POWER LINE, TELEPHONE LINE & REMOTE CONTROL RADIO SYSTEM, TO COAST GUARD STATION BUILDING

ROADWAY TO EAST SIDE OF ISLAND

* BLDG. REMOVED

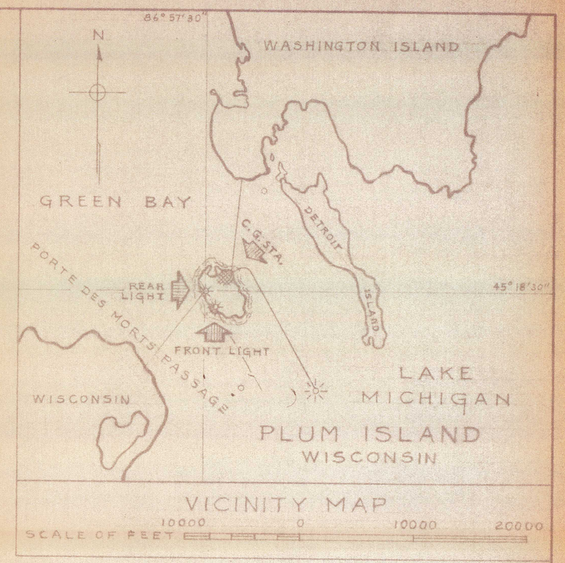
DWELLING (NOT IN USE)

2-1½" WATER LINES

WELL

* BLDG. REMOVED

FRONT LIGHT



VICINITY MAP

SCALE OF FEET 10000 0 10000 20000

SOURCE: LAKE SURVEY CHART NO. 702.

* - BOARD OF SURVEY NO. CE-07-57
27 MARCH 1957

NOTE-:
SEE DRAWING-2010-S PLOT PLAN FOR PLUM ISLAND C.G. STATION

REV.	DATE	APPR.	DESCRIPTION	BY
1	2-6-68	[illegible]	VERIFIED PLOT PLAN	J.M.

DESIGNED:
DRAWN: ROBINSON
TRACED:
CHECKED: RH
REVIEWED BY:
REVIEWED BY:
REVIEWED BY: R.L. Jacobs

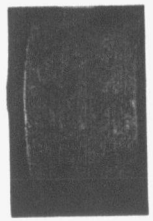
U.S. COAST GUARD
CLEVELAND, NINTH DISTRICT OHIO
CIVIL ENGINEERING
PLUM ISLAND LIGHTS
WASHINGTON ISLAND, WISCONSIN
PLOT PLAN

APPROVED: C.E. Wiese Jr.
CHIEF, CE DIVISION
DATE 2/7/68

DRAWING NUMBER
2190-S

FILE: PLUM ISLAND 3

SCALE: 1" = 20'-0" SHEET 1 OF 1



U.S. Department of Transportation

Route Slip

Great Lakes Area Lighthouse Nominations

To: Name	Title	Date	Org/Rtg Symbol
Carol Schull	Supervisory Historian	7-2-84	Nat. Register of Historic Places.

Remarks:

Reference to review comment on 30 Coast Guard nominations--"USGS needed."

Each of the nominations is submitted with a Xerox copy of the portion of the applicable USGS map. The Xerox is in lieu of the actual maps which are not available. The Cleveland District xeroxed library copies of the USGS.

Please process nominations as we agreed some time ago with xerox maps.

Thank you.

___Per Your Request
___For Your Information
___Per Our Conversation
___Note and Return
___Discuss With Me
___For Your Approval
___For Your Signature
___Comment
___Take Appropriate Action
___Please Answer
___Prepare Reply For Signature Of

From: Name	Title	Telephone	Org/Rtg Symbol
R. F. Crecco, DOT Historic Preservation Officer		426-4298	P-37

Form DOT F 1320.9 (Rev. 1-81) Supersedes All Previous Editions

☆U.S. Government Printing Office: 1981—724-783