

1. SITE I.D. NO

HAER INVENTORY

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

2. INDUSTRIAL CLASSIFICATION

TRANS: MARINE: Nav. Aids

5 5 0 1

3. PRIORITY

1

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

5. DATE

1832-1892

6. GOVT SOURCE OF THREAT

OWNER

ADMIN

7. OWNER/ADMIN

United States Coast Guard, DOT

8. NAME(S) OF STRUCTURE

Thunder Bay Island Light Station

9. OWNER'S ADDRESS

400 7th Street SW
Washington, D.C. 2059010. STATE
COUNTY

M I

COUNTY NAME

Alpena

CITY/VICINITY

Alpena

vic. of

CONG.
DIST.STATE
COUNTY

COUNTY NAME

CITY/VICINITY

CONG.
DIST.

11. SITE ADDRESS (STREET & NO)

Southeast end of Thunder Bay 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

EASTING

NORTHING

SIGN

SCALE

 1:24 1:62.5QUAD
NAME

Thunder Bay Island

UTM ZONE

EASTING

NORTHING

SIGN

SCALE

 1:24 1:62.5QUAD
NAME

15. CONDITION

70 EXCELLENT71 GOOD72 FAIR73 DETERIORATED74 RUINS75 UNEXPOSED76 ALTERED82 DESTROYED85 DEMOLISHED

16. INVENTORIED BY

Charles K. Hyde

AFFILIATION

HAER-Great Lakes Lighthouse Survey

DATE

7/20/1979

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

The Thunder Bay Island Light Station, one of the earliest on Lake Huron, was established in 1832. The original light tower was constructed of stone and stood 40 feet high to the parapet, with a diameter of 21 feet at the base and 11 feet 4 inches at the parapet. It was substantially enlarged in 1857, producing the structure now standing. The tower was raised ten feet by encasing the upper 14 feet of the old tower with a new brick wall and then extending this brickwork to the higher elevation. The surviving tower is 50 feet high to the parapet and is surmounted by a ten-sided cast iron lantern 11 feet high with an inscribed diameter of 7 feet 1/2 inch. Overall, it produces a lens focal plane 63 feet above the mean low water level of Lake Huron. At the base of the tower, the walls are 6 feet 7 inches thick (including an air space) and at the parapet, the walls are 20 inches thick. The original lens, replaced by a modern airport beacon lens, was a Fourth Order Fresnel with six flash panels, manufactured by Sauttier of Paris. The

(CONT OVER)

18. ORIGINAL USE

Warning Beacon and Fog Signal

PRESENT USE

Warning Beacon and Fog Signal

ADAPTIVE USE

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 REFERENCES—HISTORICAL REFERENCES, PERSONAL CONTACTS, AND/OR OTHER

U.S. Department of Commerce and Labor, Light-House Establishment, "Description of Buildings, Premises, Equipment, etc.", Record Group 26, National Archives, Report of 13 June 1910; Engineering Drawings of the Light Tower at Thunder Bay (1857), Engineering Department, U.S. Coast Guard Ninth District Headquarters, Cleveland, Ohio.

(CONT OVER)

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

21. HCRS REGION

22. PUBLIC ACCESSIBILITY

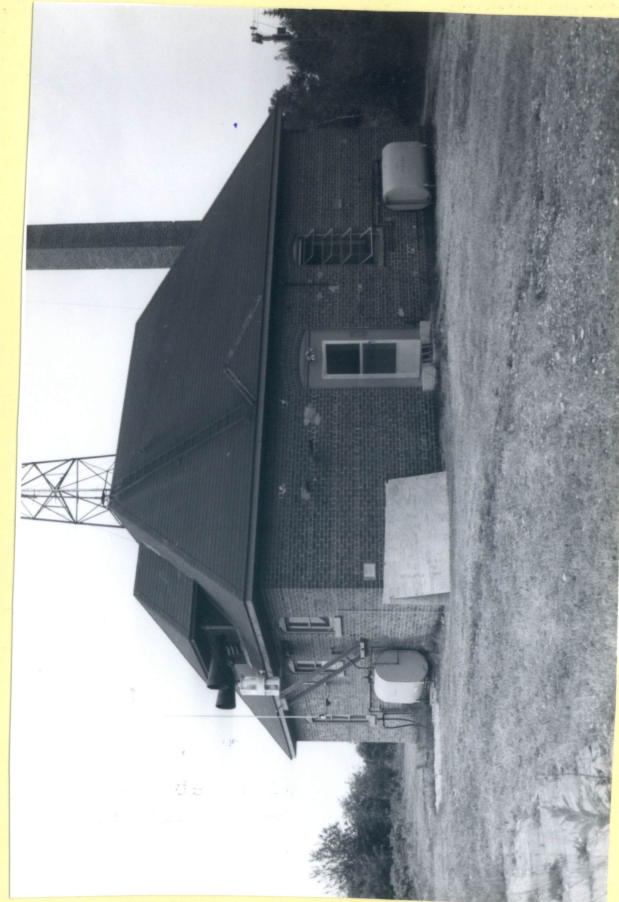
 YES, LIMITED YES, UNLIMITED NO UNKNOWN23. EDITOR
INDEXER

24. LOCATED IN AN HISTORIC DISTRICT?

 YES NO

NAME

DISTRICT I.D. NO



DESCRIPTION (CONTINUED)

Keeper's House, linked to the tower by an enclosed passage, was constructed in 1868 and is a two story rectangular yellow brick building with a gabled roof, measuring 28 feet by 43 feet. The site also includes a Fog Signal Building erected in 1892, a rectangular brick structure with a hipped roof. The original steam-driven fog signal equipment is not extant, but has been replaced by a pair of diesel engines driving Ingersoll-Rand air compressors.

REFERENCES (CONTINUED)

VBD: see map; approx. 2 acre

This is one of the oldest surviving lighthouses on Lake Huron and it played an important role in the growth of Great Lakes shipping.

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

FEDERAL

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

Thunder Bay Island Light Station (U.S. Coast
Guard Lighthouses and Light Stations on the
Great Lakes TR)
Alpena County
MICHIGAN

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: US Coast Guard

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

Substantive Review: sample request appeal NR decision

Reviewer's comments:

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

- | | |
|------------------------------------|---------------------------------------|
| <input type="checkbox"/> excellent | <input type="checkbox"/> deteriorated |
| <input type="checkbox"/> good | <input type="checkbox"/> ruins |
| <input type="checkbox"/> fair | <input type="checkbox"/> 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 _____

X13. Other

- Maps *Please provide USGS map*
- Photographs
- Other

Questions concerning this nomination may be directed to _____

Signed *Melores Byers* Date *8/4/83* Phone: _____

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

Thunder Bay Island Light Station (U.S. Coast Guard
Lighthouses and Light Stations on the Great Lakes TR)
Alpena County
MICHIGAN

Working No. 6/21/83
Fed. Reg. Date: _____
Date Due: 6/29/84
Action: ACCEPT
 RETURN 6/21/84
 REJECT
Federal Agency: US Coast Guard
DOT

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

Substantive Review: sample request appeal NR decision

Reviewer's comments:

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

- | | |
|------------------------------------|---------------------------------------|
| <input type="checkbox"/> excellent | <input type="checkbox"/> deteriorated |
| <input type="checkbox"/> good | <input type="checkbox"/> ruins |
| <input type="checkbox"/> fair | <input type="checkbox"/> 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
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- summary paragraph
- completeness
- clarity
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- justification of areas checked
- relating significance to the resource
- context
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- 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 full size, original USGS map*

Photographs

Other

Questions concerning this nomination may be directed to _____

Signed *D. Byer* Date *6/21/84* Phone: _____

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 3 of 5

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

- 21. Sturgeon Point Light Station **Substantive Review** *for* Keeper Melrose Byers 7/19/84
Entered in the National Register
 Attest _____
- 22. St. Martin Island Light Station **Entered in the National Register** *for* Keeper Melrose Byers 7/19/84
 Attest _____
- 23. Tawas Point (Ottawa Point) Light Station **Substantive Review** *for* Keeper Melrose Byers 7/19/84
Entered in the National Register
 Attest _____
- 24. Thunder Bay Island Light Station **Entered in the National Register** *for* Keeper Melrose Byers 7/19/84
 Attest _____
- 25. Waugoshance Light Station **Substantive Review** Keeper Beth Grosvenor 8/4/83
 Attest _____
- 26. White Shoal Light Station **Entered in the National Register** *for* Keeper Melrose Byers 7/19/84
 Attest _____
- MN 27. Duluth South Breakwater Inner (Duluth Range Rear) Lighthouse **Substantive Review** Keeper Beth Grosvenor 8/4/83
 Attest _____
- 28. Two Harbors Light Station **Entered in the National Register** *for* Keeper Melrose Byers 7/19/84
 Attest _____
- NY 29. Buffalo Main Light **Substantive Review** *for* Keeper Melrose Byers 7/19/84
Entered in the National Register
 Attest _____
- 30. Buffalo North Breakwater South End Light **Entered in the National Register** Keeper Melrose Byers 8/4/83
 Attest _____

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

Thunder Bay Island Light Station (U.S. Coast Guard
Lighthouses and Light Stations on the Great Lakes TR)
Alpena County
MICHIGAN

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

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

Entered in the
National Register

Substantive Review: sample request appeal NR decision

Reviewer's comments:

*see memo dated
7/2/84 regarding
US GS 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 Public Acquisition	Status Accessible	Present Use
----------	---------------------------------	----------------------	-------------

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
<input type="checkbox"/> excellent	<input type="checkbox"/> deteriorated	<input type="checkbox"/> unaltered	<input 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

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

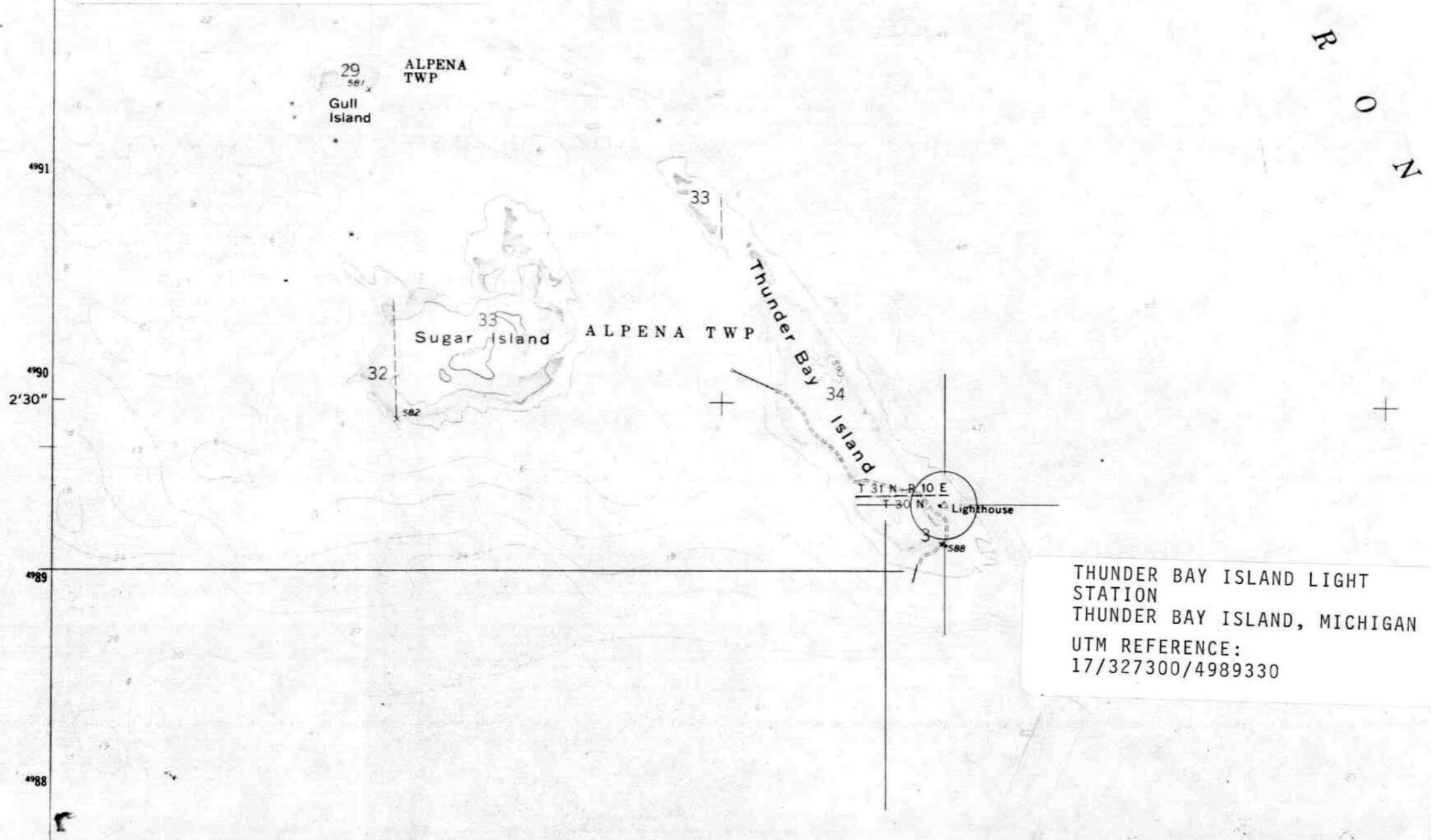
4374 III SE
(NORTH POINT)

COPIED FROM USGS MAP:

THUNDER BAY ISLAND QUADRANGLE
MICH - ALPENA CO.

7.5 MINUTE SERIES

ELEVATION 580
H
U
R
O
N



4991
4990
2'30"
4989
4988

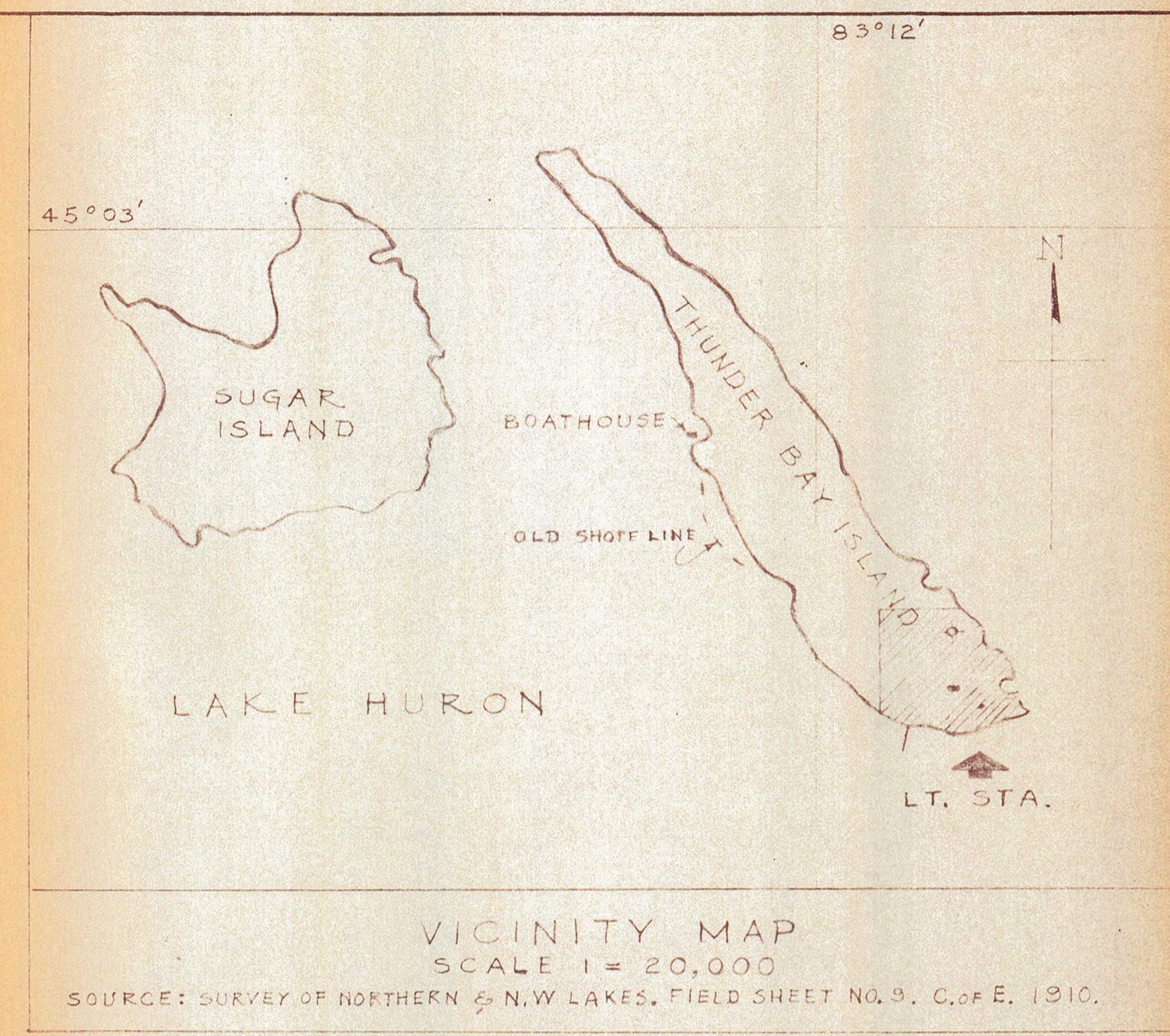
THUNDER BAY ISLAND LIGHT
STATION
THUNDER BAY ISLAND, MICHIGAN
UTM REFERENCE:
17/327300/4989330

327000m E

Thunder Bay Island Quadrangle

Mich - Alpena Co.

7.5 Minuta Series



- LEGEND**
- 1) BOATHOUSE
 - 2) DWELLING & LIGHT TOWER
 - 3) FOG SIGNAL BUILDING
 - 4) GARAGE, 150 GAL. WATER STORAGE TANK WITHIN
 - 5) ABOVE GROUND WATER LINE, 1 1/2" GALV.
 - 6) 1275 GAL. SEPTIC TANK
 - 7) DISPOSAL FIELD
 - 8) FIRE HOSE
 - 9) 275 GAL. FUEL OIL TANK
 - 10) 275 GAL. FUEL OIL TANK
 - 11) PAINT LOCKER
 - 12) FUEL OIL LINE
 - 13) 275 GAL. FUEL OIL TANK
 - 14) 550 GAL. GAS TANK
 - 15) 10,000 GAL. FUEL OIL TANK
 - 16) 275 GAL. FUEL OIL TANK
 - 17) 30 FT. ANTENNA
 - 18) WEATHER TOWER
 - 19) POWER LINE TO WEATHER TOWER
 - 20) RADIO BEACON ANTENNA (CAGE TYPE)
 - 21) TELEPHONE CABLE, UNDERGROUND
- NOTE:**
U.S. COAST GUARD OWNS ENTIRE ISLAND

REVISION	DATE	APPD.	DESCRIPTION	BY
1	7-16-75	R.H.	PLOTTED POINTS OF DECIBEL READINGS BY ENGINEERING PERSONNEL	M.K.
3	6-20-69	R.H.	PLOT PLAN CORRECTED 5-26-69	J.M.
2	2-6-68	R.H.	VERIFIED PLOT PLAN	J.M.
1	7-8-66	R.H.	PLOT PLAN CORRECTED UP TO DATE	J.M.

U.S. COAST GUARD NINTH DISTRICT CLEVELAND, OHIO
CIVIL ENGINEERING

DESIGNED - LT. HARTMAN
DRAWN - R.C.B.
TRACED - R.H.
CHECKED - R.H.

**THUNDER BAY ISLAND LIGHT STA.
ALPENA, MICHIGAN**

PLOT PLAN

APPROVED: *R.L. Jacobs*
CHIEF OF SECTION

APPROVED: *[Signature]*
U.S.C.G. CHIEF OF DIVISION

DATE: 7-26-75

C. G. DRAWING NO.
1947-S

SCALE 1" = 200 FT. SHEET 1 OF 1



U.S. Department of
Transportation

Route Slip

Great Lakes Area Lighthouse Nominations

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

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

- 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

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.

From: Name <u>R. F. Crecco</u>	Title <u>DOT Historic Preservation Officer</u>	Telephone <u>426-4298</u>	Org/Rtg Symbol <u>P-37</u>
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Form DOT F 1320.9 (Rev. 1-81) Supersedes All Previous Editions

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