

TP-00948

TP-00948

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## DESCRIPTIVE REPORT

Type of Survey .... Shoreline Mapping .....

Job No. ... CM-7510 ..... Map No. TP-00948 .....

Classification No. III ..... Edition No. 1st .....

### LOCALITY

State ..... Ohio .....

General Locality .... Lake Erie .....

Locality .... Fairport Harbor .....

1975 TO 19

### REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP-00948 MAP EDITION NO. (1) MAP CLASS III JOB RM-CM-7510	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION			
				TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
PHOTOGRAMMETRIC OFFICE  Coastal Mapping Division (Rockville) OFFICER-IN-CHARGE  Commander James Collins							
I. INSTRUCTIONS DATED							
1. OFFICE		2. FIELD					
Instructions-AEROTRIANGULATION-10/23/75 Instructions-OFFICE-7/22/76 Memorandum Instructions-VERTICAL DATUM REFERENCES for map features, Photogrammetric Surveys, Great Lakes-7/13/76		Instructions-FIELD-4/15/75					
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)					
2. VERTICAL: <input type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify) Lake Erie Low Water Datum on the International Great Lakes Datum 1955					
3. MAP PROJECTION  Lambert Conformal Conic		4. GRID(S)		STATE Ohio		ZONE North	
5. SCALE 1:5,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS		NAME		DATE			
1. AEROTRIANGULATION BY		I. Raborn		12/75			
METHOD: Analytic LANDMARKS AND AIDS BY		I. Raborn		12/75			
2. CONTROL AND BRIDGE POINTS PLOTTED BY		S. Solbeck		12/16/75			
METHOD: Coradomat CHECKED BY		N/A					
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		G. Vanderhaven		10/28/76			
COMPILATION CHECKED BY		L. Harrod		10/28/76			
INSTRUMENT: Wild B-8 CONTOURS BY		N/A					
SCALE: 1:5,000 CHECKED BY		N/A					
4. MANUSCRIPT DELINEATION PLANIMETRY BY		G. Vanderhaven		12/1/76			
CHECKED BY		L. Harrod		12/8/76			
METHOD: Smooth Drafting CONTOURS BY		N/A					
CHECKED BY		N/A					
SCALE: 1:5,000 HYDRO SUPPORT DATA BY		N/A					
CHECKED BY		N/A					
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		G. Fromm		9/28/77			
6. APPLICATION OF FIELD EDIT DATA BY		N/A					
CHECKED BY		N/A					
7. COMPILATION SECTION REVIEW BY		G. FROMM					
8. FINAL REVIEW BY		G. FROMM		12/14/77			
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		G. FROMM		1/24/78			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		F.R. WATTS		2/9/78			
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R.T. CATOK		5/11/78			

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## COMPILATION SOURCES

TP-00948

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10(B) Focal Length = 152.74mm		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
75-B(C) 1668-1671	4/26/75	1200-1203	1:15,000	+3.9 ft. Lake Erie Low Water Datum, Cleveland Gauge.	

REMARKS The above photography was ratioed to 1:5,000 scale. The elevation of the Lake Erie Low Water Datum on the International Great Lakes Datum 1955 is 568.5 ft., Cleveland Gauge.

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The photography listed above is the source of the shoreline delineated. Refer to paragraph 35 of the compilation report bound with this Descriptive Report.

## 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

None

## 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No contemporary surveys -----		TP-00949	TP-00947

REMARKS

TP-00948

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	W. Bergen	4/24/75
2. HORIZONTAL CONTROL	RECOVERED BY N/A ESTABLISHED BY N/A PRE-MARKED OR IDENTIFIED BY N/A	
3. VERTICAL CONTROL	RECOVERED BY N/A ESTABLISHED BY N/A PRE-MARKED OR IDENTIFIED BY N/A	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY N/A LOCATED (Field Methods) BY N/A IDENTIFIED BY N/A	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE BY <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	N/A
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY N/A	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N/A	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

None

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

## RECORD OF SURVEY USE

TP-00948

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit		Class III Map Field edit postponed		
FINAL REVIEW PRIOR TO REGISTRATION	2/9/78	CLASS III MAP		

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
		3/31/78	FOUR PAGES OF DIGITIZED FORMS 76-40 WERE SUBMITTED TO MARINE CHART DIVISION AS FINAL REPORT.
			THE COMPUTER CARDS FOR ALL 76-40 LANDMARKS AND AIDS TO NAVIGATION ARE ON FILE IN THE CMD, SPECIAL PROJECTS SECTION, AND WILL BE DESTROYED 5 YEARS AFTER THE DATE OF FINAL REVIEW.

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

## IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

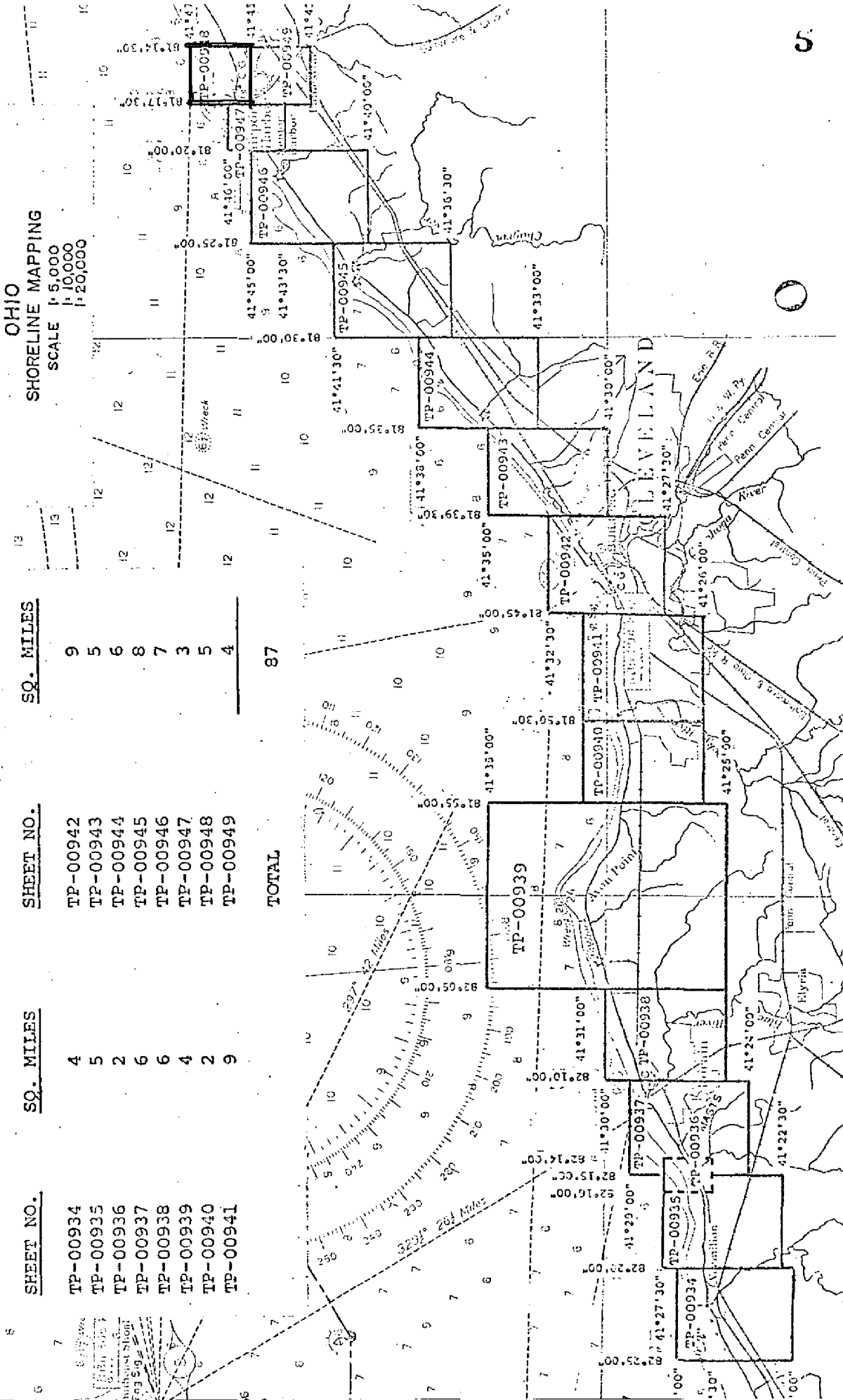
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

# OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.	SQ. MILES	SHEET NO.	SQ. MILES
TP-00934	4	TP-00942	9
TP-00935	5	TP-00943	5
TP-00936	2	TP-00944	6
TP-00937	6	TP-00945	8
TP-00938	6	TP-00946	7
TP-00939	4	TP-00947	3
TP-00940	2	TP-00948	5
TP-00941	9	TP-00949	4
		<b>TOTAL</b>	<b>87</b>

## JOB CM-7510 VERMILION TO FAIRPORT HARBOR

OHIO  
SHORELINE MAPPING  
SCALE 1:5,000  
1:10,000  
1:20,000



SUMMARY  
TP-00934 thru TP-00949

The purpose of this survey is to provide shoreline maps for nautical chart compilation and maintenance. Sixteen maps were compiled along the southern shoreline of Lake Erie from Vermilion to Fairport Harbor, Ohio. Coverage of this area includes four 1:5,000 scale (TP-00936, TP-00947 through TP-00949), eleven 1:10,000 scale (TP-00934, TP-00935, TP-00937, TP-00938, TP-00940 through TP-00946), and one 1:20,000 scale (TP-00939), maps.

Field operations, beginning in April 1975, consisted of premarking control and aerial photography. There was no field inspection of the shoreline prior to compilation.

Eleven strips of natural color photography were furnished. Three strips 1:40,000 scale were flown in May 1975. Five strips 1:25,000 scale and three strips 1:15,000 were flown in April 1975. All photography was taken with the Wild RC-10 (B) camera.

The furnished photography was bridged by analytic aerotriangulation methods and adjusted to ground on the Ohio North State Plane Coordinate System. Ten horizontal control stations and vertical control from USGS quadrangles were weighted in the strip adjustments. This work was done in December 1975 and provided the horizontal and vertical control for compilation.

Compilation was performed in the Special Projects Section (Rockville) during the period from October 1976 through November 1977. All maps were compiled using Wild B-8 stereoplotters. Maps are based on office interpretation of the mapping photography. Landmarks and aids to navigation were not investigated by a field party.

Field edit was postponed in November 1977.

Final review was completed in the Rockville office in December 1977. Maps were found to be satisfactory and meet the National Map Standards of Accuracy.

A Descriptive Report for each map was prepared and contains all pertinent reports and listings of all data used to complete the map.

# FIELD INSPECTION

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of horizontal control necessary for aerotriangulation.



CM-7510



U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL OCEAN SURVEY

Lake Survey Center  
630 Federal Bldg. & U.S. Crthse  
Detroit, MI 48226

8

Date : May 1, 1975

Reply to Attn of: CLS113

To : Chief, Surveys Branch (CLS11)

From : Chief, Horizontal Control Section (CLS113)

Subject: Summary Report of Results under Project OPR - 302 - 2 - 75: Photogrammetric Aerotriangulation Control and Paneling Support

1. Objective 2.1 of Project Instructions OPR - 302 - 2 - 75 has been completed in full as required. A summary of the results of this phase of the project are contained herein.
2. Objectives 2.2 and 2.3 will be completed pending final flight plans (expected during the week of May 5th); any effect upon the first phase of this project will be reported accordingly.
3. All designated photo control stations (or substations) were premarked and geodetically positioned in the prescribed manner as directed under the technical provisions of the Project Instructions; accomplished during the period 21 through 27 April 1975. Control Station Identification cards (NOAA Form 76-53) are attached to this report. Position computations for each photo control point/panel were completed in the field and verified in the office. A complete listing of the final coordinates of each of the photo control points is attached.
4. All costs incurred on this project were charged to C11130-83222302.
5. Recovery Notes were written on four NGS published horizontal control stations and will be transmitted to NGS prior to May 31, 1975.
6. No unusual problems were encountered during the field operations associated with this project. The only major deviation from the original project directives was that of substituting station ARP 1966 for station BELL CRGS, 1943; with approval received by telecon from CLS11.
7. Compilation photography for this area was flown on April 26, 1975; at which time all panels were in place except HUNTINGTON Substation A.

Encl: Geographic Coordinates of all Photo Control Points  
CSI Cards (11)  
Office Position Computations

PHOTO CONTROL POINT COORDINATES OPR-302-2-75

Number	Station	Latitude			Longitude		
1	BACON LSC, 1974 Substation A (Paneled)	41	46	36.4645 ✓	81	12	22.9039 ✓
2	FALL IN LSC, 1974 Substation A (Paneled)	41	41	32.7575 ✓	81	24	40.2361 ✓
3	MOSS POINT LSC, 1973 SUBSTATION A (Paneled)	41	36	49.2287 ✓	81	31	47.0421 ✓
4	ARP 1966 Marked direct by panel	41	31	01.6580 ✓	81	41	03.7410 ✓
5	WILBUR WRIGHT CRGS, 1943 Substation A (Paneled)	41	27	36.7428 ✓	81	45	48.5900 ✓
6	HUNTINGTON LSC, 1973 Substation A (Paneled)	41	29	24.4997 ✓	81	55	32.3346 ✓
7	SHEFFIELD LAKE LSC, 1973 Substation A (Paneled)	41	29	21.3807 ✓	82	06	46.3737 ✓
8 ✕	ELYRIA H2O LSC, 1973 Substation A (Paneled)	41	27	17.2863 ✓	82	12	54.7748 ✓
9 /	BROWNHELM USLS, 1877 Substation A (Paneled)	41	23	16.9177 ✓	82	18	24.6186 ✓
10 ✓	CEYLON, 1956 Substation A (Paneled)	41	23	03.7880 ✓	82	27	39.9497 ✓
11	ROCKY RIVER LSC, 1973 Substation A (Paneled) Substation B (Pict Point)	41	29	23.7748 ✓ 23.6499 ✓	81	50	10.7997 ✓ 08.5599 ✓

Photogrammetric Plot Report  
Vermilion to Fairport Harbor, Ohio  
December 1975

21. Area Covered: This report pertains to the shoreline of Lake Erie from Vermilion to Fairport Harbor, Ohio. This area is covered by four 1:5,000 scale sheets, TP-00936, TP-00947 thru TP-00949, eleven 1:10,000 scale sheets, TP-00934, TP-00935, TP-00937, TP-00938, TP-00940 thru TP-00946, and one 1:20,000 scale sheet TP-00939.

22. Method: Three strips (see sketch) of 1:40,000 scale color photography were bridged by analytic aerotriangulation methods. The three strips were controlled by field identified control paneled in 1975. Five strips of 1:25,000 scale color photography and three strips of 1:15,000 scale color photography were also bridged by analytic aerotriangulation methods. These strips were controlled by common points from the 1:40,000 scale photography. Ties were made between all bridging strips. Points were established for determining ratios for the 1:25,000 and 1:15,000 scale color photography. Ratios were ordered on December 23, 1975, for field edit only. Data for ruling projections were furnished to the Coradomat to be plotted on the Ohio North Plane Coordinate System.

23. Adequacy of Control: The control was adequate with the inclusion of office identified control as checks. Horizontal control station (Elyria H<sub>2</sub>O LSC 1973; SS"A") did not meet the National Map Accuracy Standards. This station did hold the bridge adjustment by 6 feet in X and 26 feet in Y. No reason could be determined for the error.

24. Supplemental Data: USGS quadrangles were used to provide vertical control for the adjustment. Lake Survey Charts were also used to assist in locating aids to navigation. These aids were photogrammetrically located and should be field checked.

25. Photography: The photography was adequate as to coverage, overlap and definition.

Respectfully submitted,

*Ivey O. Raborn*  
Ivey O. Raborn

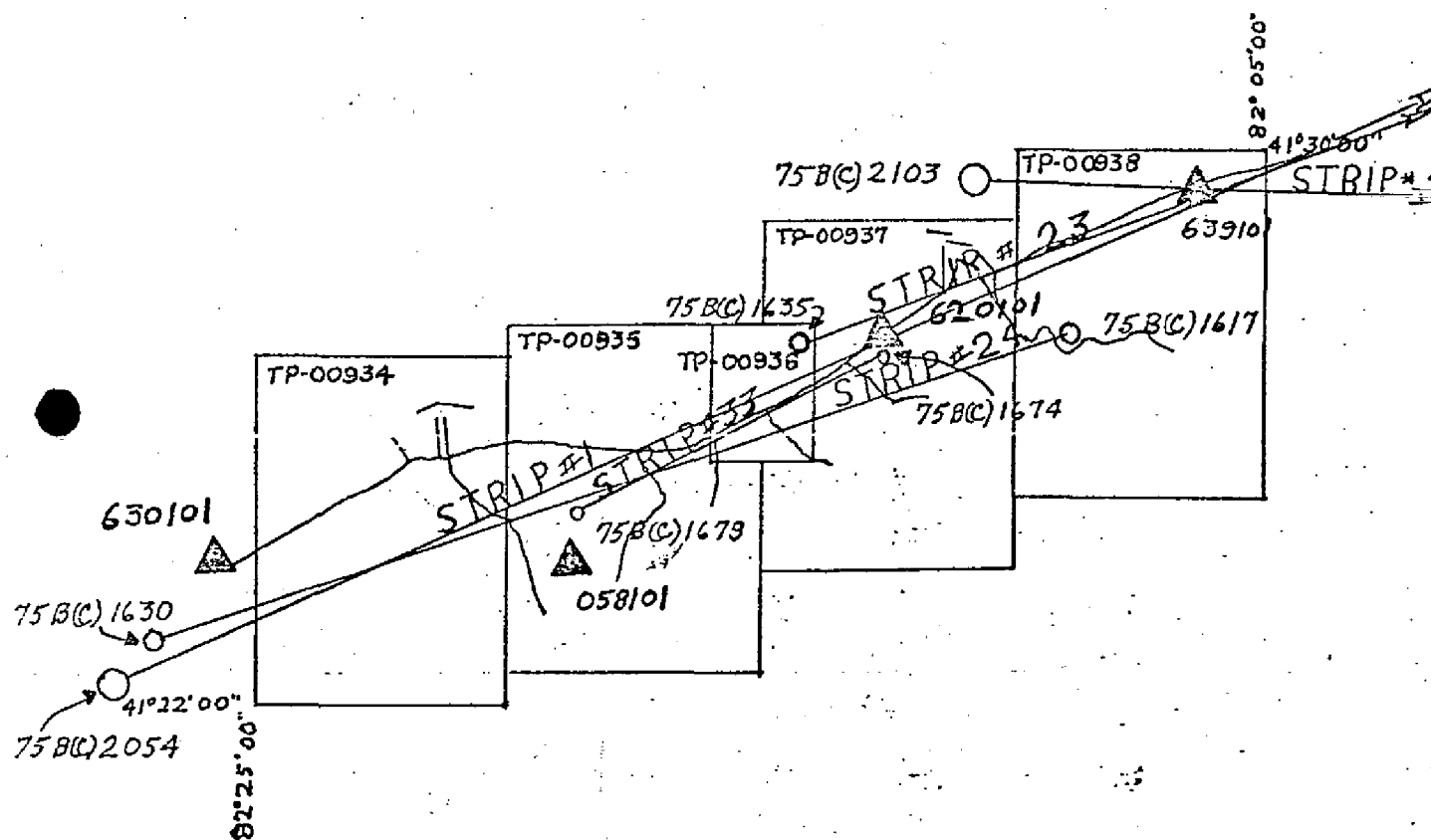
Approved and forwarded:

*John D. Perrow, Jr.*  
John D. Perrow, Jr.

Chief, Aerotriangulation Section

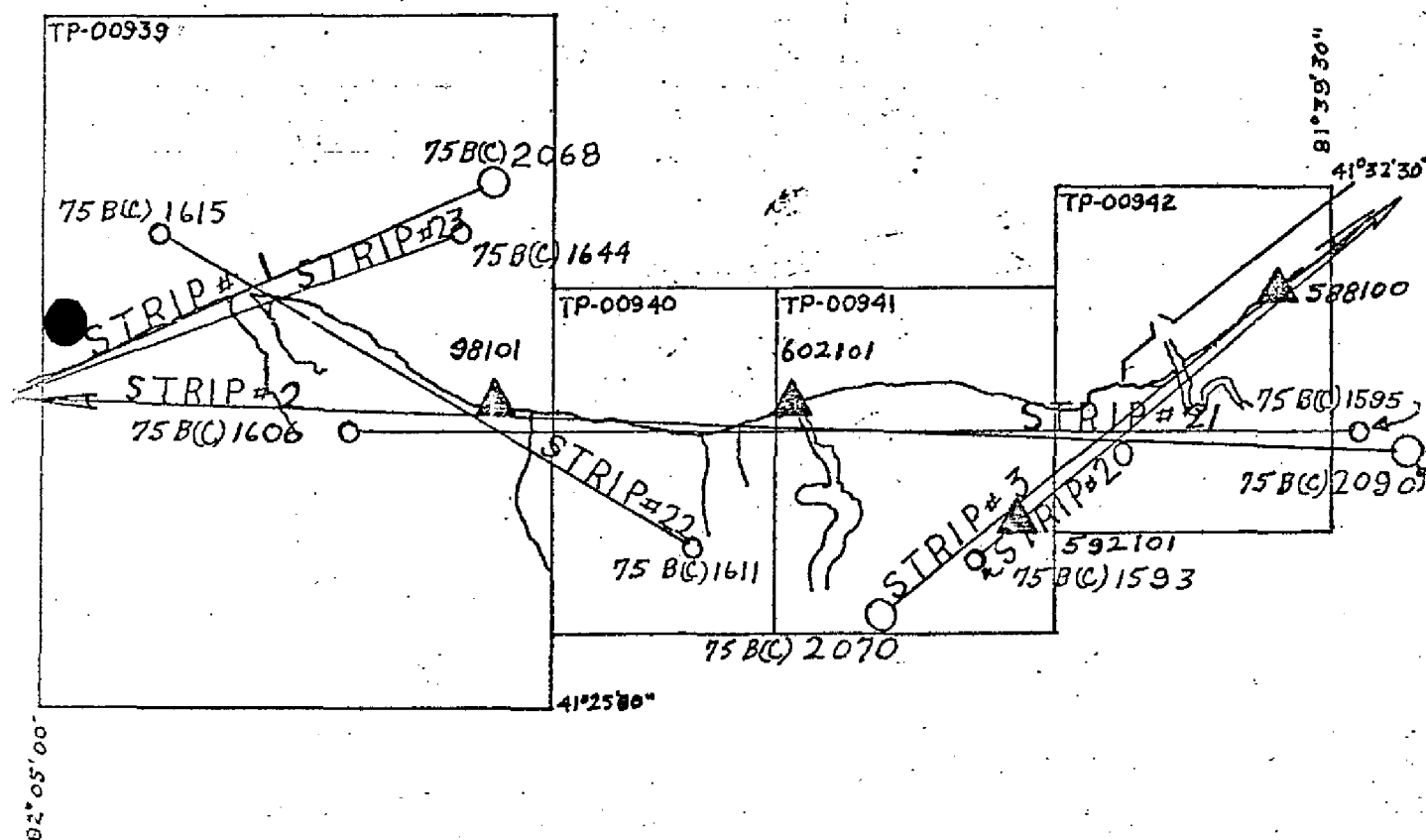
## NOTES TO COMPILER

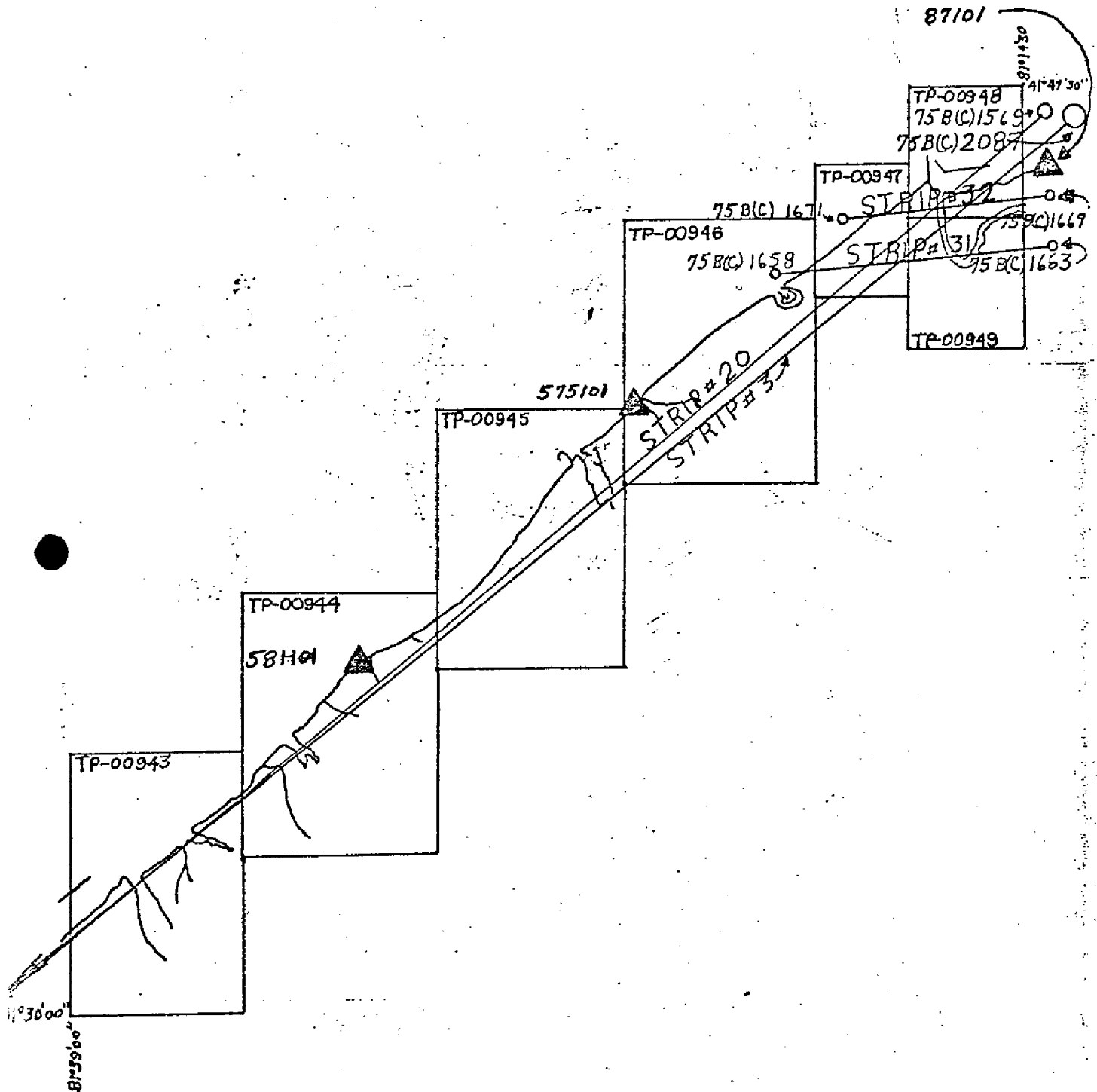
Do not set models 1635 and 1636 on strip 23 and also 1617 and 1618 on strip 24. They were deleted from the job because of overlap in coverage. All aids and landmarks that were located were converted to G.P.'s and a listing was furnished. Identification of the aids by number was made on the photos and charts of the area.



JOB CM-7510  
VERMILION TO FAIRPORT HARBOR  
OHIO

- 1:40,000
- 1:25,000
- 1:15,000









TP-00948  
Compilation Report

31. Delineation

This map was compiled on the Wild B-8 stereoplotter using 1:15,000 scale natural color photography taken in 1975.

32. Control

Refer to the Photogrammetric Plot Report bound with this Descriptive Report.

The identification, density, and placement of horizontal and vertical control was adequate.

33. Supplemental Data

None

34. Contours and Drainage

All drainage is from office interpretation of the color photography.

35. Shoreline and Alongshore Details

The shoreline was compiled by office interpretation of the color photography. The shoreline datum is the lake level at the time of photography.

Alongshore and foreshore features were delineated by office interpretation of the same photography.

There was no preliminary field inspection of the shoreline.

36. Offshore Detail

No unusual problems were encountered in compiling details offshore.

37. Landmarks and Aids

Refer to the 76-40 listing(s) bound with this Descriptive Report for those charted landmarks and fixed Aids identifiable on the compilation photography.

38. Control for Future Surveys

No form 524 was submitted.

39. Junctions

Refer to form 76-36B, item #5, of the Descriptive Report.

40. Horizontal and Vertical Accuracy

No comment.

41. thru 45.

Inapplicable

46. Comparison with Existing Maps

A comparison was made with the following USGS quadrangle(s):

Mentor, Ohio, 1:24,000 scale, 1963 edition, photorevised 1970.

Perry, Ohio, 1:24,000 scale, 1960 edition, photorevised 1970.

No significant differences were noted.

47. Comparison with Nautical Charts

A comparison was made with the following charts:

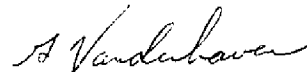
14825(formerly LS-34), 18th edition, dated 12/7/74, 1:80,000 scale.

14837(formerly LS-346), 20th edition, dated 11/23/74, 1:8,000 scale.

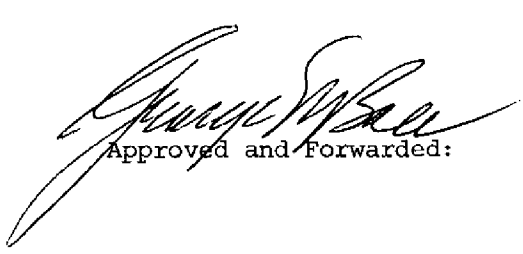
Items to be Applied to Nautical Charts Immediately - None

Items to be Carried Forward - None

SUBMITTED BY:



G. Vanderhaven



Approved and Forwarded:

NOAA FORM 75-74 (7-75)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
TP - 00948			
1. PROJECTION AND GRIDS  GF	2. TITLE  GF	3. MANUSCRIPT NUMBERS  GF	4. MANUSCRIPT SIZE  GF
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY  N/A		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)  GF	
7. PHOTO HYDRO STATIONS  N/A			
8. BENCH MARKS  N/A	9. PLOTTING OF SEXTANT FIXES  N/A	10. PHOTOGRAMMETRIC PLOT REPORT  GF	11. DETAIL POINTS  GF
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE  GF	13. LOW-WATER LINE  N/A	14. ROCKS, SHOALS, ETC.  GF	15. BRIDGES  N/A
16. AIDS TO NAVIGATION  GF	17. LANDMARKS  GF	18. OTHER ALONGSHORE PHYSICAL FEATURES  GF	19. OTHER ALONGSHORE CULTURAL FEATURES  GF
PHYSICAL FEATURES			
20. WATER FEATURES  GF		21. NATURAL GROUND COVER  N/A	22. PLANETABLE CONTOURS  N/A
23. STEREOSCOPIC INSTRUMENT CONTOURS  N/A	24. CONTOURS IN GENERAL  N/A	25. SPOT ELEVATIONS  N/A	26. OTHER PHYSICAL FEATURES  GF
CULTURAL FEATURES			
27. ROADS  GF	28. BUILDINGS  GF	29. RAILROADS  GF	30. OTHER CULTURAL FEATURES  GF
BOUNDARIES			
31. BOUNDARY LINES  N/A		32. PUBLIC LAND LINES  N/A	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES  GF		34. JUNCTIONS  GF	35. LEGIBILITY OF THE MANUSCRIPT  GF
36. DISCREPANCY OVERLAY  GF	37. DESCRIPTIVE REPORT  GF	38. FIELD INSPECTION PHOTOGRAPHS  N/A	39. FORMS  GF
40. REVIEWER  G. Fromm		SUPERVISOR, REVIEW SECTION OR UNIT  G. Ball, Special Projects Section	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER		SUPERVISOR	
43. REMARKS			

## REVIEW REPORT TP-00948

## Shoreline Mapping - Chart Compilation

December 1977

61. General Statement

The map was reviewed in its Class III stage by the Special Projects Section (Rockville). The Descriptive Report contains all of the pertinent information which may be required by users of this map.

62. Comparison with Registered Topographic Surveys - None63. Comparison with Maps of Other Agencies

Refer to the Compilation Report, paragraph 46, bound with this Descriptive Report.

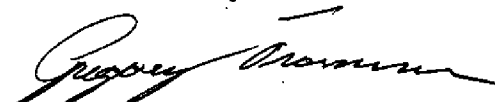
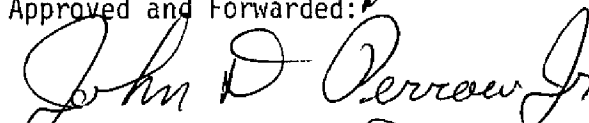
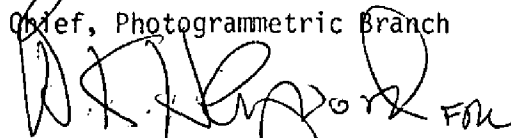
64. Comparison with Contemporary Hydrographic Surveys - None65. Comparison with Nautical Charts

Refer to the Compilation Report, paragraph 47, bound with this Descriptive Report.

66. Adequacy of Results and Future Surveys

This map meets the National Standards of Map Accuracy and complies with compilation instructions and Bureau requirements.

Submitted by:

  
Gregory FrommApproved and Forwarded: <sup>BW</sup>  
Chief, Photogrammetric Branch  
Chief, Coastal Mapping Division

December 5, 1977

GEOGRAPHIC NAMES


FINAL NAME SHEET

CM-7510 (Vermilion to Fairport Harbor, Ohio)

TP-00948

- Baltimore & Ohio (RR)
- Fairport Harbor
- Fairport, Painesville & Eastern (RR)
- Grand River
- Headlands Beach State Park
- Lake Erie

Approved by:

  
Charles E. Harrington  
Staff Geographer - C51x2



January 31, 1978

**TO:** Chief, Photogrammetric Branch

**FROM:** James Collins (signed) James Collins  
Chief, Coastal Mapping Division

**SUBJECT:** Registration of Job CM-7510, Vermilion Harbor to Fairport Harbor, Ohio

The subject job comprising one map at 1:20,000 scale, eleven maps at 1:10,000 scale and four maps at 1:5,000 scale has been compiled by the Special Projects Section.

No field edit will be obtained for the above maps and you are hereby instructed to register this job as Class III maps.

Attachment

cc: C3442  
C3421



CM-7510  
National Archives

Brown Jacket

Computer Readouts  
Photogrammetric Plot Report (Duplicate copy)  
NOAA Forms 76-53 (Control Station Identification Cards)  
Control Index Diagram  
NOAA 76-41 Forms (Prepared by Aerotriangulation activity)

Bridging Photography

Job Completion Report

76-40 Listings (Landmarks and Fixed Aids)

Photography (DIAPOSITIVES ONLY)

Strip #1 75B(C) 2053-2068	1:40,000
#2 75B(C) 2090-2104	"
#3 75B(C) 2069-2089	"
Strip #20 75B(C) 1567-1593	1:25,000
#21 75B(C) 1594-1607	"
#22 75B(C) 1608-1616	"
#23 75B(C) 1634-1645	"
#24 75B(C) 1617-1633	"
Strip #31 75B(C) 1656-1665	1:15,000
#32 75B(C) 1666-1673	"
#33 75B(C) 1674-1680	"
#32 (Reject) 75B(C) 1647-1655	1:15,000

76-40 PHOTOGRAMMETRIC BRANCH  
LISTING COASTAL MAPPING DIVISION

NAUTICAL OCEAN SURVEY NOAA  
DEPARTMENT OF COMMERCE USA

UNCLASSIFIED  
VERSION  
770818

SVY	TP-00948	* RPT UNIT	CMD	ROCKVILLE, MD.	* PAGE	1 OF 4
JOB	CM-7510	* NONFLOATING AIDS FOR CHARTS	* STATE	OHIO	* ORIGINATING ACTIVITY	* CHARTS
PRJ	LAKE ERIE	* TO BE REVISED	* LOCALITY	FAIRPORT HARBOR	* FIELD	* AFFECTED
DTM	NA 1927	* DATE	11/01/77	* COMPILATION	* CHARTS	* AFFECTED
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *						
* CHARTING*	RECORD REASON FOR DELETION	* POSITION	CMD	* METHOD AND DATE	* CHARTS	* AFFECTED
* NAME	* PUT TRIANGULATION NAMES IN ( )	* LATITUDE	DM	* OF LOCATION	* FIELD	* AFFECTED
		* LONGITUDE	DP	* OFFICE		
* LAKE ERIE - SOUTH SIDE *						
* FAIRPORT HARBOR *						
* LIGHT	* -EAST BREAKWATER EAST END	* 41 46 03.12	96.3	NOT *75B(C)1669*	* 14825	* 14825
	* LIGHT	* 81 15 21.96	507.2	DGTZD* 04/26/75 *	* 14837	* 14837
* LIGHT	* DIAMOND SHAMROCK INNER CRIB	* 41 45 39.24	1210.6	NOT *75B(C)1669*	* 14825	* 14825
	* LIGHT	* 81 15 40.91	945.0	DGTZD* 04/26/75 *	* 14837	* 14837
* LIGHT	* -EAST BREAKWATER LIGHT	* 41 46 04.16	128.3	NOT *74B(C)1670*	* 14825	* 14825
	* LIGHT	* 81 15 44.33	1023.9	DGTZD* 04/26/75 *	* 14837	* 14837
* LIGHT	* -WEST BREAKWATER EXTENSION	* 41 46 09.14	282.0	NOT *74B(C)1670*	* 14825	* 14825
	* LIGHT	* 81 16 52.91	1222.1	DGTZD* 04/26/75 *	* 14837	* 14837
* LIGHT	* -WEST BREAKWATER LIGHT (HORN)	* 41 46 04.15	128.0	NOT *74B(C)1670*	* 14825	* 14825
	* (FAIRPORT HBR W BKW LT 1974)	* 81 16 52.69	1217.0	DGTZD* 04/26/75 *	* 14837	* 14837
* LIGHT	* -WEST PIER LIGHT	* 41 45 40.95	1263.4	NOT *74B(C)1670*	* 14825	* 14825
	* LIGHT	* 81 16 52.42	1210.9	DGTZD* 04/26/75 *	* 14837	* 14837
* LIGHT	* -EAST PIER LIGHT	* 41 45 41.60	1283.4	*75B(C)1670*	* 14825	* 14825
	* LIGHT	* 81 16 48.11	1111.4	* 04/26/75 *	* 14837	* 14837
* -DYBN	* POSSIBLY SAME AS CHARTED	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 14825	* 14825
	* ABANDONED LT TOWER	* 00 00 00.00	0.0	DGTZD*	* 14837	* 14837
* LIGHTS	* MORTON SALT CO BOATLOADING	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 14825	* 14825
	* NORTH AND SOUTH LIGHTS	* 00 00 00.00	0.0	DGTZD*	* 14837	* 14837

TYPE OF ACTION	* NAMES OF RESPONSIBLE PERSONNEL	* ORIGINATOR
POSITIONS DETERMINED	NO FIELD EDIT-CLASS III MAP	* FIELD REPRESENTATIVE
AND/OR VERIFIED BY	G. VANDERHAVEN	* OFFICE COMPILER
FIELD AND OFFICE	L. HARROD	* DIGITIZER
ACTIVITIES	G. FROMM	* DATA PROCESSER



PHOTOGRAMMETRIC BRANCH  
COASTAL MAPPING DIVISION

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# LISTING

* SVY	TP-00948	*	NONFLOATING AIDS FOR CHARTS	* RPT UNIT	CMD ROCKVILLE, MD.	* PAGE 2 OF 4
* JOB	CM-7510	*		* STATE	OHIO	*
* PRJ	LAKE ERIE	*	TO BE REVISED	* LOCALITY	FAIRPORT HARBOR	* ORIGINATING ACTIVITY*
* DTM	NA 1927	*		* DATE	11/01/77	* COMPILATION *

\* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS \*

[illegible]

* LIGHT	* MORTON SALT COMPANY DOLPHIN	* 00 00 00.00	0.0	NOT *UNVERIFIED*	* 14825 *
* *	* *LIGHT	* 00 00 00.00	0.0	DGTZD*	* 14837 *

[illegible][illegible][illegible]

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[illegible][illegible][illegible]

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[illegible][illegible]

* * *	POSITIONS DETERMINED	* * *	NO FIELD EDIT-CLASS III MAP	* * *	FIELD REPRESENTATIVE
* * *	AND/OR VERIFIED BY	* * *	G. VANDERHAVEN	* * *	OFFICE COMPILER
* * *	FIELD AND OFFICE	* * *	NOT DIGITIZED	* * *	DIGITIZER
* * *	ACTIVITIES	* * *	G. FROMM	* * *	DATA PROCESSER

76-40 PHOTOGRAMMETRIC BRANCH  
LISTING COASTAL MAPPING DIVISION

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\* SVY TP-00948 \* LANDMARKS FOR CHARTS \* RPT UNIT CMD ROCKVILLE, MD. \* PAGE 3 OF 4 \*  
\* JOB CM-7510 \* TO BE REVISED \* STATE OHIO \*  
\* PRJ LAKE ERIE \* \* LOCALITY FAIRPORT HARBOR \* ORIGINATING ACTIVITY \*  
\* DTM NA 1927 \* DATE 11/01/77 \* COMPILATION \*

\* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS \*

\* CHARTING\* RECORD REASON FOR DELETION \* POSITION CMD \* METHOD AND DATE \*  
\* NAME \* PUT TRIANGULATION NAMES IN ( ) \* LATITUDE DM ALTEK\* OF LOCATION \* CHARTS \*  
\* \* \* \* LONGITUDE DP DGTZD\* OFFICE \* FIELD \* AFFECTED \*

* STACK *	* 41 45 03.28	101.2	NOT	*75B(C)1670*	* 14837 *
* *	* 81 16 58.01	1340.3	DGTZD*	04/26/77 *	* *
* RADIO *	* 41 45 36.09	1113.4	NOT	*75B(C)1670*	* 14837 *
* MAST *	* 81 16 54.07	1249.1	DGTZD*	04/26/77 *	* *
* SIG * NATIONAL WEATHER SERVICE	* 41 45 36.57	1128.3	NOT	*75B(C)1670*	* 14837 *
* STA * SIGNAL STATION	* 81 16 52.94	1223.0	DGTZD*	04/26/77 *	* 14825 *
* TANK *	* 41 45 18.43	568.6	NOT	*75B(C)1670*	* 14837 *
* *	* 81 16 40.90	944.9	DGTZD*	04/26/77 *	* 14825 *
* ABAND *	* 41 45 24.76	763.9	NOT	*75B(C)1670*	* 14837 *
* LT TR *	* 81 16 39.02	901.4	DGTZD*	04/26/77 *	* 14825 *
* TANK *	* 41 45 18.59	573.5	NOT	*75B(C)1669*	* 14837 *
* *	* 81 15 53.22	1229.5	DGTZD*	04/26/77 *	* 14825 *
* TANK *	* 41 45 26.70	823.7	NOT	*75B(C)1669*	* 14837 *
* *	* 81 15 43.43	1003.3	DGTZD*	04/26/77 *	* *
* STACK *	* 41 45 26.42	815.1	NOT	*75B(C)1669*	* 14837 *
* *	* 81 15 31.40	725.4	DGTZD*	04/26/77 *	* *
* STACK *	* 41 45 32.29	996.2	NOT	*75B(C)1669*	* 14837 *
* *	* 81 15 18.44	426.0	DGTZD*	04/26/77 *	* *
* TANK *	* 41 45 27.85	859.2	NOT	*75B(C)1669*	* 14837 *
* *	* 81 15 20.35	470.1	DGTZD*	04/26/77 *	* *

* TYPE OF ACTION *	* NAMES OF RESPONSIBLE PERSONNEL *	* ORIGINATOR *
* POSITIONS DETERMINED	* NO FIELD EDIT-CLASS III MAP	* FIELD REPRESENTATIVE
* AND/OR VERIFIED BY	* G. VANDERHAVEN	* OFFICE COMPILER
* FIELD AND OFFICE	* NOT DIGITIZED	* DIGITIZER
* ACTIVITIES	* G. FROMM	* DATA PROCESSOR

PHOTOGRAMMETRIC BRANCH  
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VERSION 770818

* SVY	TP-00948	*		* RPT UNIT	CMD ROCKVILLE, MD.	*	PAGE	4 OF	4	*
* JOB	CM-7510	*	LANDMARKS FOR CHARTS	* STATE	OHIO	*				*
* PRJ	LAKE ERIE	*	TO BE REVISED	* LOCALITY	FAIRPORT HARBOR	*	*ORIGINATING	ACTIVITY*		*
* DTM	NA 1927	*		* DATE	11/01/77	*	* COMPILATION			*

\* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS \*

[illegible][illegible]













CHARTED LDMK(S) NOT VISIBLE ON COMPILATION PHOTOS AND APPEAR DESTROYED. APPROX. POSITION(S) SCALED FROM EXISTING CHART.

* STACK	* 41 45 24.00	* 740.4	* NOT	* *
* *	* 81 15 24.00	* 554.5	* DGTZD*	* *
				* 14837. *

[illegible][illegible]

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[illegible]

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#	TYPE OF ACTION	#	NAMES OF RESPONSIBLE PERSONNEL	#	ORIGINATOR
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* * POSITIONS DETERMINED	* *	NO FIELD EDIT-CLASS III MAP	* *	FIELD REPRESENTATIVE
* * AND/OR VERIFIED BY	* *	G. VANDERHAVEN	* *	OFFICE COMPILER
* * FIELD AND OFFICE	* *	NOT DIGITIZED	* *	DIGITIZER
* * ACTIVITIES	* *	G. FROMM	* *	DATA PROCESSER

