- TP-00947

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Surve	_{ey} Shorelir	ne Mapping	
Job No	CM-7510	Map No. TP-0094	7
Classification	n No. III	Edition Nolst.	· • • • •
	LOCAL	ITY	
State	Ohio		
General Loca	a _{lity.} Lake Eri	.e	
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•	1975 TO	19	
	REGISTRY IN	ARCHIVES	
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DATE	**************	••••••	. .

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

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1. AEROTRIANGULATION BY I. Raborn 12/76			
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METHOD: COradomat CHECKED BY N/A			
3. STEREOSCOPIC INSTRUMENT COMPILATION CHECKED BY L. Harrod 2/16/77 INSTRUMENT: Wild B-8 CONTOURS BY N/A SCALE: 1:5,000 CHECKED BY L. Harrod 2/17/77 CHECKED BY L. Harrod 2/17/77 CHECKED BY L. Harrod 2/17/77 CONTOURS BY N/A			12/10/70
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METHOD: Smooth Drafting CHECKED BY N/A	METHOD: Smooth Drafting		_
HYDRO SUPPORT DATA BY N/A		· · · · · · · · · · · · · · · · · · ·	
SCALE: 1:5,000 CHECKED BY N/A	SCALE: 1.5 OOO		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY G. Fromm 9/28/77	UNICONED DI		9/28/77
BY N/A	ВУ		
6. APPLICATION OF FIELD EDIT DATA CHECKED BY N/A			
7. COMPILATION SECTION REVIEW BY G. FROMM	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 =2/10/78		F. R. WATTS	2/10/18
11. MAP REGISTERED - COASTAL SURVEY SECTION BY K.T. CATOR SUPERSEDES FORM C&GS 181 SERIES			1 21 1 9 1



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NOAA FORM 76-36B U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY								
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TP-00947								
1. COMPILATION PH								
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TIDE STAGE REFERE	ENCE		(C) CO	LOR		ZONE		
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A REFERENCE STATION RECORDS					DAYLIGHT			
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NUMBER AND		DATE	TIME		SCALE		STAGE OF T	
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REMARKS The ab Lake Erie Low ft Clevelan	Water Dat	raphy was raum on the Ir						
3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:								
None								
4. CONTEMPORARY	HYDROGRAPHI	C SURVEYS (List	only those s	urveys th	at are sources i	or photograms	etric survey ini	ormation.)
SURVEY NUMBER	DATE(S)	SURVEY CO			Y NUMBER	DATE(S)	 _	COPY USED
<u>,</u>	<u> </u>							
5. FINAL JUNCTION		AST		south		r	WEST TO-O	
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NOAA FORM 76-36C U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION OCEANIC AND ATMOSPHERIC ADMINISTRATION OCEANIC AND ATMOSPHERIC ADMINISTRATION						
TP-00947 HISTORY OF FIELD OPERATIONS						
I. X FIELD MER	KKMBH 0	PERATION FIEL	D EDIT OPERATION			
		OPERATION		VAME	DATE	
1. CHIEF OF FIEL	_D PARTY		W. Bergen		4/24/75	
		RECOVERED BY	N/A		4/24/75	
2. HORIZONTAL	CONTROL	ESTABLISHED BY	N/A			
		PRE-MARKED OR IDENTIFIED BY	N/A			
		RECOVERED BY	N/A			
3. VERTICAL CON	NTROL	ESTABLISHED BY	N/A	<u> </u>	<u> </u>	
		PRE-MARKED OR IDENTIFIED BY	N/A			
		RECOVERED (Triangulation Stations) BY	N/A	·	-	
4. LANDMARKS AT AIDS TO NAVIG		LOCATED (Field Methods) BY	N/A			
		TYPE OF INVESTIGATION	N/A			
		COMPLETE				
5. GEOGRAPHIC N INVESTIGATION		SPECIFIC NAMES ONLY				
		M NO INVESTIGATION	37.77			
4 PHOTO INCRES	TION		N/A			
7. BOUNDARIES A	PHOTO INSPECTION CLARIFICATION OF DETAILS BY N/A			-		
II. SOURCE DATA		SURVEYED OR IDENTIFIED BY	L N/A		<u> </u>	
1. HORIZONTAL CONTROL IDENTIFIED 2. VERTICAL CONTROL IDENTIFIED						
None						
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION DES	IGN A TION	
3. PHOTO NUMBE	RS (Clarifi	cation of details)			<u></u>	
· (
None						
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED						
None						
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJECT 1	NAME	
]		}	
			[
5. GEOGRAPHIC NAMES: REPORT X NONE 6. BOUNDARY AND LIMITS: REPORT X NONE						
7. SUPPLEMENTAL MAPS AND PLANS						
· · · · · · · · · · · · · · · · · · ·						
None						
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)						
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None						
·						

NOAA FORM (3-72)	4 76-36D	•	N.	ATIONAL OCEANI	U. S. DEPARTME C AND ATMOSPHERI	NT OF COMMERCE
TP-0094	7	RECO	RD OF SURVE	Y USE		
I. MANUSCE	RIPT COPIES	-				
	CO	PILATION STAGE	is		DATE MANUSCI	RIPT FORWARDED
	ATA COMPILED	DATE	RE!	MARKS	MARINE CHARTS	HYDRO SUPPORT
-	tion complete field edit.		Class III Field edit	Map : postponed.		
	REVIEW PRIOR	2/10/78	CLASS II	I MAP		:
	ARKS AND AIDS TO NAVIGA					
1. REPO	RTS TO MARINE CHART DI	VISION, NAUTICAL	_ DATA BRANCH			
NUMBER	CHART LETTER Number Assigned	DATE FORWARDED	REMARKS			
		3/31/18	TWO PAGES OF DIGITIZED FORMS 76-4 WERE SUBMITED TO MARINE CHART			
			DIVISION	AS FINA	L REPORT	
					DS FOR ALL	
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	TROYED 5 YEARS AFTER THE DATE OF				E DATE OF	
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	DATA TO FEDERAL RECOR				<u> </u>	_
IV. SURVE	Y EDITIONS (This section st SURVEY NUMBER	JOB NUMBE		o edition is registe	red) TYPE OF SURVEY	·
SECOND	TP -	(2) PH				ESURVEY
EDITION	DATE OF PHOTOGRAPH	Y DATE OF F	IELD EDIT		MAP CLASS	FINAL
	SURVEY NUMBER	JOB NUMBE	:R		TYPE OF SURVEY	

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

Data : 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 $\underline{}$ 302 2 75 has been completed in full as required. A summery 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 Idendification 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	S1 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 H20 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 ~ 41 29 23.6499 ~	81 50 10.7997 × 81 50 08.5599 ×

Photogrammetric Plot Report Vermilion to Faiport 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 H₂O 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. <u>Supplemental Data</u>: 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. <u>Photography</u>: The photography was adequate as to coverage, overlap and definition.

Respectfully submitted,

Jusy O. Raborn

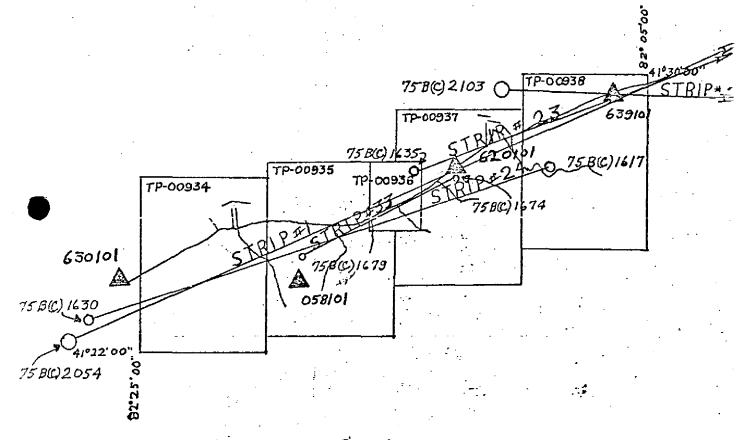
Approved and forwarded:

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.

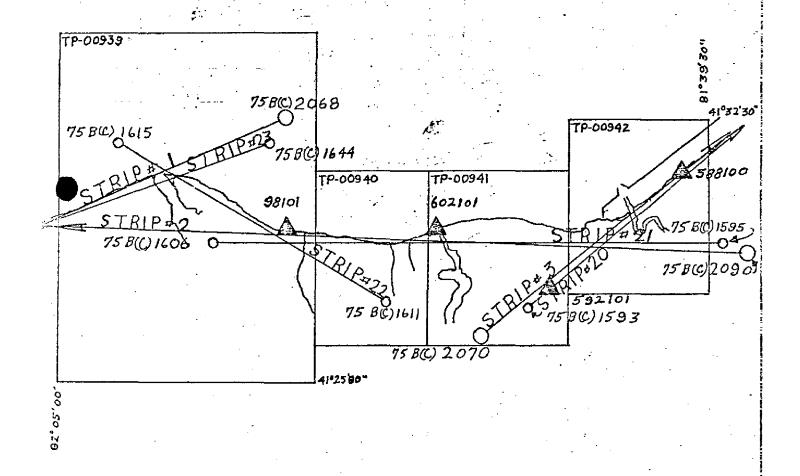


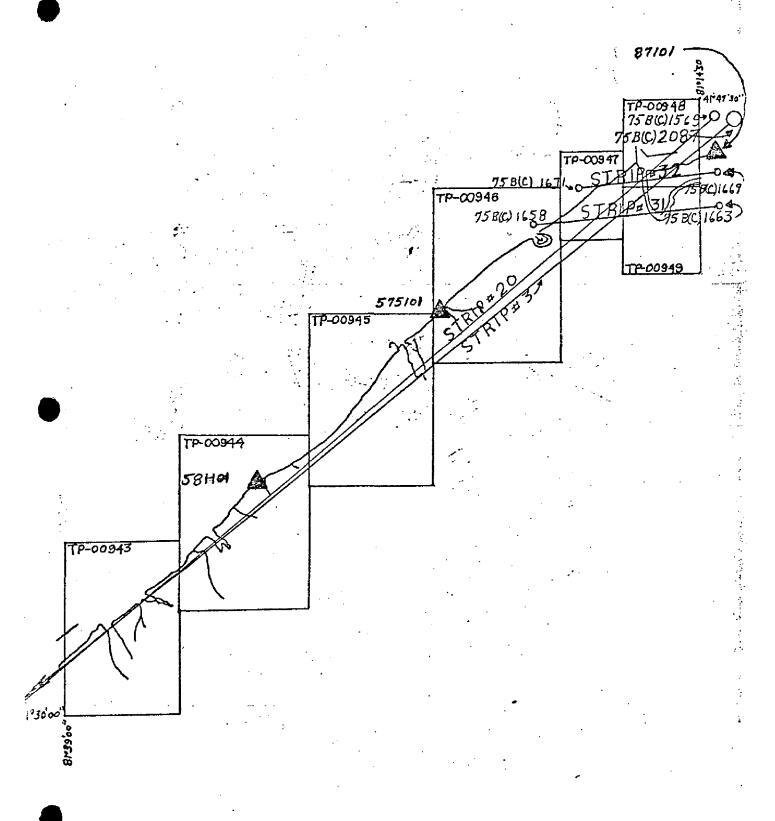
JOB CM-7510 VERMILION TO FAIRPORT HARBOR OHIO

0 140,000

0 1:25,000

0 1:15,000





TP-00947 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.

AMPLE INTERIOR

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.

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

A Vanderboven

NOAA FORM 75-74 (7-75)				U.S. DEPARTMENT OF COMMERC	
	PHO		RIC OFFICE REVIEW	NATIONAL OCEAN SURVE	
		TF	° _ 00947		
1. PROJECTION AND GRIDS	2. TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE	
GF	GF		GF	GF	
CONTROL STATIONS	<u> </u>		· · · · · · · · · · · · · · · · · · ·		
5. HORIZONTAL CONTROL ST THIRD-ORDER OR HIGHER	ATIONS OF	6. RECOVERA	BLE HORIZONTAL STATIONS IAN THIRD-ORDER ACCURACY	7. PHOTO HYDRO STATIONS	
N/A		(Topographi	•	N/A	
8. BENCH MARKS	9. PLOTTING	<u> </u>	10. PHOTOGRAMMETRIC	11. DETAIL POINTS	
	FIXES		PLOT REPORT	·	
N/A 	N/A		GF	GF	
ALONGSHORE AREAS (Nautica			114 50080 00541 555	Lac agrange	
12. SHORELINE	13. LOW-WATE	R LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES	
GF	N/A		GF	GF	
16. AIDS TO NAVIGATION	17. LANDMAR	KS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES	
GF	GF		GF	GF	
PHYSICAL FEATURES			•	·	
20. WATER FEATURES		21. NATURAL	GROUND COVER	22. PLANETABLE CONTOUR	
GF		N/A		N/A	
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOUR	SIN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES	
N/A	N/A		N/A	GF	
CULTURAL FEATURES	1.64				
27. ROADS	28. BUILDING	S	29. RAILROADS	30. OTHER CULTURAL FEATURES	
GF	GF		N/A	GF ·	
BOUNDARIES 31. BOUNDARY LINES			32. PUBLIC LAND LINES		
N/A			N/A		
MISCELLANEOUS		·	11/21		
33. GEOGRAPHIC NAMES		34. JUNCTION	S	35. LEGIBILITY OF THE MANUSCRIPT	
GF		GF	•	GF	
36. DISCREPANCY OVERLAY	37. DESCRIPT	IVE REPORT	38, FIELD INSPECTION PHOTOGRAPHS	39. FORMS	
GF	GF		N/A)	GF ∪	
(O. REVIEWER			SUPERMISOR, REVIEW SECT	ION OR UNIT	
G- X	romen		Mary Mai	le	
G. From			D. Ball, Special Pi	ojects Section	
II. REMARKS (See attached she					
FIELD COMPLETION ADDITIO					
 Additions and correction script is now complete ex 	s furnished by the cept as noted up	he field complet ider item 43.	ion survey have been applied	to the manuscript. The manu-	
COMPILER	 -		SUPERVISOR		
			1		
G. REMARKS				· · · · · · · · · · · · · · · · · · ·	
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REVIEW REPORT TP-00947

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 None
- 63. <u>Comparison with Maps of Other Agencies</u>

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

- 64. Comparison with Contemporary Hydrographic Surveys None
- 65. 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 Fromm

Approved and Forwarded:

Mief, Rhotogrammetric Branch

Chief, Coastal Mapping Division

December 5, 1977

GEOGRAPHIC NAMES

FINAL NAME: SHEET

CM-7510 (Vermilion to Fairport Harbor, Ohio)

TP-00947

- Headlands Beach State Park
- · Lake Erie
- Mentor Headlands
- · Mentor Marsh

Approved by:

Charles E. Harrington Staff Geographer - C51x2



January 31, 1978

TO:

Chief, Photogrammetric Branch

FROM:

James Collins (signed) lames 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

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

"

1:15,000

#32 (Reject) 75B(C) 1647-1655

	1 OF 2 S ACTIVIT	S LANDMARKS *	E * CHARTS *
	} 	NSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *	METHOD AND DATE OF LOCATION
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~	CHARTS * STATE * LOCALITY * DATE	NSPECTED FROM SEAW	POSITION LATITUDE DI
PHOTOGRAMMETRIC COASTAL MAPPING D	٠	BEEN I	LETION
76-40 ISTING	SVY TP-00947 JOB CM-7510 PRJ LAKE ERIE DTM NA 1927	# THE FOLLOWING OBJECTS HAVE NOT	* ************************************

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	AND/OR VERIFIED BY	*	G. VANDERHAVEN	\$	OFFICE COMPILER	
	FIELD AND OFFICE	*	NOT DIGITIZED	*	DIGITIZER	
	ACTIVITIES	*	G. FROMM	*	DATA PROCESSER	

BATATAB ERSION 770818

SURVEY

TONAL OCEAN

؞ۭڮؠؖ؞ **ACTIVITY*** *AFFECTED* 14837 14825 4825 CHARTS 4837 DETERMINE THEIR VALUE AS LANDMARKS FIELD REPRESENTATIVE OFFICE COMPILER N COMPILATION DATA PROCESSER ORIGINATOR PO * * ¥ * * ٠ * * ٥ DIGITIZER N #ORIGINATING FIELD METHOD AND DATE OF LOCATION \$ * * ψ * 4 **‡** * NOT #758(C)1671# * NOT #758(C)1671# * \$ ņ 4 DGTZD*: 04/26/75 * DGTZD* 04/26/77 OFFICE NOAA USA MENTOR HEADLANDS CMD ROCKVILLE, MD. * ಫ * * * * COMMERCE ALTEK* DGTZD* ¢ ¢ ņ **‡** * * * * CMD * Q ▼ PERSONNE 11/01/77 NO FIELD EDIT-CLASS III G. VANDERHAVEN NOT DIGITIZED OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO 300.8 968.3 514.9 1017.5 DEPARTMENT OF M CO POSITION RESPONSIBLE FROMM APT UNIT STATE LOCALITY DATE 09.75 08.91 44.04 LATITUDE LONGITUDE 45 17 7 P F 4 4 1 8 1 81 NAMES * * * * ψ * ф # ٥ Φ \$ ٥ * 4 * \$ * # FOR CHARTS REVISED REASON FOR DELETION RECORD REASON FOR DELETION PUT TRIANGULATION NAMES IN \$ ¢ * * * \$ **\$** \$ PAINESVILLE WATERWORKS LANDMARKS TO BE DESCRIPTION POSITIONS DETERMINED AND/OR VERIFIED BY FIELD AND OFFICE ACTION ACTIVITEES * ₽ 9 FOLLOWING CM-7510 LAKE ERIE TP-00947 NA 1927 TYPE * \$ ¥ * # ¢ ij, * ٥ ú \$ 4 ź: * * ψ * *CHARTING* 76-40 LISTING NAME STACK HHE 1 1 1 1 4 TANK JOB PRJ ΣV Σ L • **‡ * *** * * * * * * ***** * ф * 17 **‡** ¢

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO	TP-00941
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INSTRUCTIONS

- A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

- Letter all information.
 In "Remarks" column cross out words that do not apply.
 Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
14825	8-1-78	ELEANOR CHARK	Full Part Before After Verification Review Inspection Signed Via
			Drawing No. 2 EXAM FOR CRITICAL CORP. MALY
		· · · <u></u>	NONE APPLIED .
14830	10-25-70	to Clark	Full Part Before After Verification Review Inspection Signed Via
			Drawing No.3 FXAM FOR CRITICAL CORR
	·		1 1 2 11 11 11
14837	3-3-81	E Bodowno-	Full Part Before After Verification Review Inspection Signed Via
			Drawing No. 3 class TII consider final (Per Jw.
			(Per Jw.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
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