### NOAA FORM 76-35

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

# **DESCRIPTIVE REPORT**

Type of Survey Shoreling Job No CM-75107 Classification No. III	·
LOCAL	.ITY
StateOhio	
General Locality Lake I	Erie
LocalityLorain	
1975 TO	19
REGISTRY IN	ARCHIVES
DATE	

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

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NOAA FORM 76-36A	U. S. DEPARTMENT OF COMMERCE	_	YPE OF SURVEY	SURVEY '	rp-00937
Joseph Marional	SCENIC AND ATMOSPHERIC ADMIN.		ORIGINAL	MAP EDITI	ои но. (1)
DECEMBRINE DED	ORT DATA BECORD		RESURVEY	MAP CLASS	
DESCRIPTIVE KEP	ORT - DATA RECORD	! _			<del></del>
PHOTOGRAMMETRIC OFFICE		-	REVISED	JOB	XXCM-7510
PROTOGRAMMETRIC OFFICE		<b>1</b> -	LAST PRECEED		
Coastal Mapping Divis	ion (Rockville)	I _	YPE OF SURVEY		°H
OFFICER-IN-CHARGE			ORIGINAL Resurvey	SURVEY D	ATES:
		lö	REVISED	19TO (	
Commander James Colli	ns				
1. INSTRUCTIONS DATED		Т		FIELD	
Instructions-AEROTRIA	NGULATION-10/23/75	Ins	tructions-FIEL		<del></del>
Instructions-OFFICE-7	* *	****	craocrons ribb	D 4/13/13	•
Memorandum Instruction	ns-VERTICAL DATUM	1			
	atures, Photogrammetric				
Surveys, Great Lakes-	7/13/76				
		Ì			
II. DATUMS				·	· -
		ОТНЕ	R (Specify)		-
1. HORIZONTAL:	1927 NORTH AMERICAN				
	MEAN HIGH-WATER	1	R (Specify)	Date	
2. VERTICAL:	MEAN LOW-WATER		e Erie Low Wat ernational Gre	•	
	MEAN LOWER LOW-WATER	195		at Lakes	расши
3. MAP PROJECTION			4.	GR(D(S)	****
		STAT		ZONE	
Lambert Conformal Con:	ic	Ohi	0	North	
5. SCALE		STAT	E	ZONE	
1:10,000	TIONS	<u> </u>			
	RATIONS	T	NAME		DATE
1. AEROTRIANGULATION	BY	I.	Raborn		12/75
метноо: Analytic	LANDMARKS AND AIDS BY	ī. :	Raborn		12/75
2. CONTROL AND BRIDGE POINT			Solbeck		12/23/75
METHOD: Coradomat	CHECKED BY	N/A		· · · · · · · · · · · · · · · · · · ·	
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY		Harrod		3/1/77
COMPILATION	CHECKED BY	G. N/A	Vanderhaven		3/1/77
INSTRUMENT: Wild B-8 scale: 1:10,000	CHECKED BY	N/A			-
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	T-1	Harrod		3/14/77
}	CHECKED BY		Vanderhaven		3/14/77
метноо: Smooth Draft	contours by	N/A	·		<u> </u>
	CHECKED BY	N/A			<del> </del>
scale: 1:10,000	HYDRO SUPPORT DATA BY CHECKED BY	N/A N/A	<u> </u>		<del>                                     </del>
5. OFFICE INSPECTION PRIOR T	· <del></del>	<del>                                     </del>	romm	<del></del>	9/22/77
	BY	N/A			
6. APPLICATION OF FIELD EDIT	CHECKED BY	N/A			
7. COMPILATION SECTION REVI			ROMM		- 7 14 2
8. FINAL REVIEW	BY		ROMM		2/14/77
9. DATA FORWARDED TO PHOTO  10. DATA EXAMINED IN PHOTOGRA			ROMM		1/24/78
11. MAP REGISTERED - COASTAL			CATOR		1/2//10
	SUPERSEDES FORM C&GS 181 SERIES		LAINE.	0 1072 76	1 2 / 1 / 1 V



NOAA FORM 76-36B (3-72)				N	ATIONAL OCE		TMOSP		MINIS	
TP-00937		CQ	MPILATIO	N SOU	RCES		NA	TIONAL	JCEAN	SURVET
1. COMPILATION PHO	TOCHARUV							<u></u>		
CAMERAGE	<del></del>		1			<del></del>				
Focal lengt	d RC-10(B) h = 152.74		TYPE	S OF PH LEGI	OTOGRAPHY END		TIME	REFERE	NCE	
TIDE STAGE REFERE			1			ZONE			<del>                                     </del>	
PREDICTED TIDES	5		(C) <u>CO</u>				East	ern	ŪXjs⊺	ANDARD
REFERENCE STAT				NCHROM Frared	ATIC	MERIDI	AN 75	th	]a	AYLIGHT
TIDE CONTROLLE	DPHOTOGRAP		(1) 1147	RARED			- / 3	- C11		
NUMBER AND	TYPE	DATE	TIMI	Ė	SCALE		STA	GEOFT	IDE	
75-B(C) 1619-	1621	4/26/77	1106-1	112	1:25,000		·	Tales	The state	
/3-B(C) 1019-	1021	4/20/11	110621	173	1:25,000			Lake		3
75-B(C) 1636-	1637	4/26/77	1121-1	626	1:25,000	.		r Datu d Cauc		
					-	CTe	veran	d Gaug	j <b>e</b>	
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REMARKS The el	evation of	the Lake E	rie Low	Water	Datum on	the In	erna	tional	Gre	at
Lakes Datum 1						U11C 111	IIG	C.C.III.I	. 010	.u.c
				_						
The above pho	tograpny w	as ratioed	to 1:10	,000 s	cale.					
SOURCE OF MEAN	HIGH-WATER L	INE:	•							
			1							
3. SOURCE OF MEAN	LOW-WATER OF	MEAN LOWER L	OW-WATER	LINE:				<u>-</u> .	,	
SURVEY NUMBER S. FINAL JUNCTIONS	DATE(S)	SURVEYS (List of		r	at are sources for	OATE(S)	metric 4	SURVEY		
NORTH	EAS	<u>; †                                     </u>		SOUTH			WEST			
o Contemporary		TP-00938		1	ntemporary	/ Survey		-00936	& T	P-009
REMARKS	1					1				
	0936 is 1:5	,000 scale								

NOAA FORM 76-36C (3-72)	NATIONAL OCEAN	IC AND ATMOSPHERIC	NT OF COMMERCE ADMINISTRATION AL OCEAN SURVEY
TP-00937 HISTORY OF FIELD	OPERATIONS	HALIONA —	L OCEAN SURVE
1. T FIELD MSPEC中的 OPERATION FIEL	D EDIT OPERATION		
OPERATION	N.F.	ME	DATE
). CHIEF OF FIELD PARTY			
RECOVERED BY	W. Bergen		4/22/75
2. HORIZONTAL CONTROL ESTABLISHED BY	W Bergen		4/22/75
PRE-MARKED OR IDENTIFIED BY	W. Bergen W. Bergen		4/22/75
RECOVERED BY	NA Bergen		4/22/
3. VERTICAL CONTROL ESTABLISHED BY	NA NA		
PRE-MARKED OR IDENTIFIED BY	NA .		
RECOVERED (Triangulation Stations) BY	NA		
4. LANDMARKS AND LOCATED (Field Methods) BY	NA		
AIDS TO NAVIGATION IDENTIFIED BY	NA		
TYPE OF INVESTIGATION		<del></del>	
5. GEOGRAPHIC NAMES COMPLETE			
INVESTIGATION SPECIFIC NAMES ONLY	1		-
X NO INVESTIGATION	NA		<u> </u>
6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY	NA NA	<del>_</del>	ļ
7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY	NA		<u> </u>
II. SOURCE DATA  1. HORIZONTAL CONTROL IDENTIFIED	2. VERTICAL CONT	POL IDENTIFIED	
Pre-marked	Į	one	
		<del></del>	
75B(C)2061) Elyria H <sub>2</sub> 0 LSC 1973 (Sub A)	PHOTO NUMBER	STATION DES	IGNATION
3. PHOTO NUMBERS (Clarification of details)	<u></u>		
None			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
None			
PHOTO NUMBER OBJECT NAME	PHOTO NUMBER	OBJECT	NAME
	1		
	1		
	1		
	1		
5. GEOGRAPHIC NAMES: REPORT X NONE	6. BOUNDARY AND	LIMITS: REPOR	T X NONE
7. SUPPLEMENTAL MAPS AND PLANS			
None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submi	tted to the Geodesy Div	ision)	
One NOAA Form 76-53 (Control Station Ide	entification Ca	àrd)	

NOAA FORM (3-72)	1 76-36D		N	ATIONAL OC				OF COMMERCE
TP-00937	7	RECO	ORD OF SURVE	Y USE				
I. MANUSCR	IPT COPIES		<del></del>					
	Co	MPILATION STAG	ES			DATE MANUS	CRIP	T FORWARDED
0/	ATA COMPILED	DATE	RE	MARKS	м	ARINE CHAR	тѕн	YDRO SUPPORT
_	ion complete		Class III Field edit	_	ned.			
		<u></u>				<del></del>		
-	REVIEW PRIOR	1./27/78	CLASS II	I MAP				
	RKS AND AIDS TO NAVIGA							
1. REPOI	RTS TO MARINE CHART D	IVISION, NAUTICA	L DATA BRANCH	<u></u>	<del></del>	<del></del>		
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	1		REMAR	KS		
		3/31/78	THREE P.					MS 76-40
			DIVISION					
			THE COMP	UTER C	ARDS	FOR AL	L 7	16-40 LAN U ARE ON
-		<u> </u>	FILE IN T	HE CM	D, SPE BE DIS	CIAL PI	2056	ECTS SEC-
			AFTER TH					
2.  R	EPORT TO MARINE CHAR	T DIVISION, COAST	F PILOT BRANCH.	DATE FORM		<u> </u>		
3, 🗀 RI	EPORT TO AERONAUTICA	L CHART DIVISIO			_	E FORWARDS	EO: _	
	AL RECORDS CENTER DATER DA		E BRIDGING REPO	RT; 🗓 Co	OMPUTER	READOUTS,		
<b>3.</b> X s	ONTROL STATION (DENT OURCE DATA (except for C	eographic Names R	_				ES.	
A	CCOUNT FOR EXCEPTION	<b>15</b> :						
4. 🗌 🗆	DATA TO FEDERAL RECO	RDS CENTER. DA	TE FORWARDED:					
IV. SURVEY	EDITIONS (This section a	shall be completed of		edition is re		(DE DE AUGUS	= -	
SECOND	тР	_ (2) PH	· <u></u>		☐ REVIS	PE OF SURV	EY RESU	RVEY
EDITION	DATE OF PHOTOGRAP	HY DATE OF F	TIELD EDIT	<b>□</b>	□m.	MAP CLASS	v,	FINAL
	SURVEY NUMBER	лов иймві	ER		_	PE OF SURV		
THIRD		_ (3) PH			REVIS	_	RESU	RVEY
EDITION	DATE OF PHOTOGRAP	HY DATE OF F	FIELD EDIT	□n.	<b>□</b> m.	MAP CLASS	v.	FINAL
FOURTH	SURVEY NUMBER	JOB NUMB:	ER		TY	PE OF SURV	EY Resüf	
EDITION	DATE OF PHOTOGRAP		TELD EDIT		_	MAP CLASS		

### 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.

### 2

#### 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

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 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 coordinated of each of the photo control points is attached.
- 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 CL\$11.
- 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 <b>~</b>	81 12 22.9039 <b>~</b>
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 <	31 31 47.0421 <b>~</b>
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 <del>~</del>
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 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. <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. Photography: The photography was adequate as to coverage, overlap and definition.

Respectfully submitted,

Jusy O Lahorn Iver O. Raborn

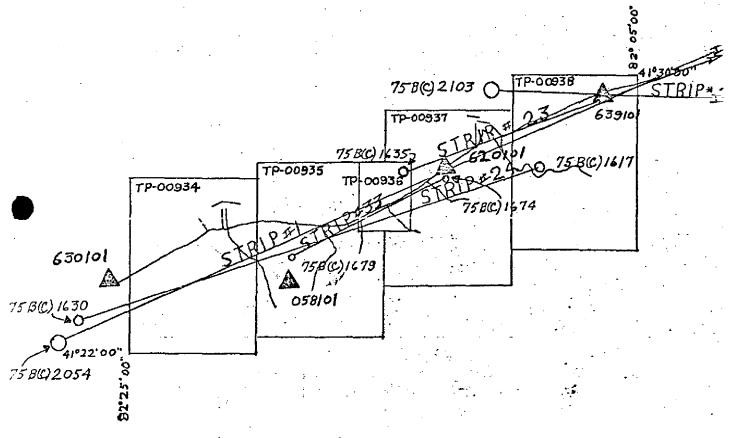
Approved and forwarded:

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.

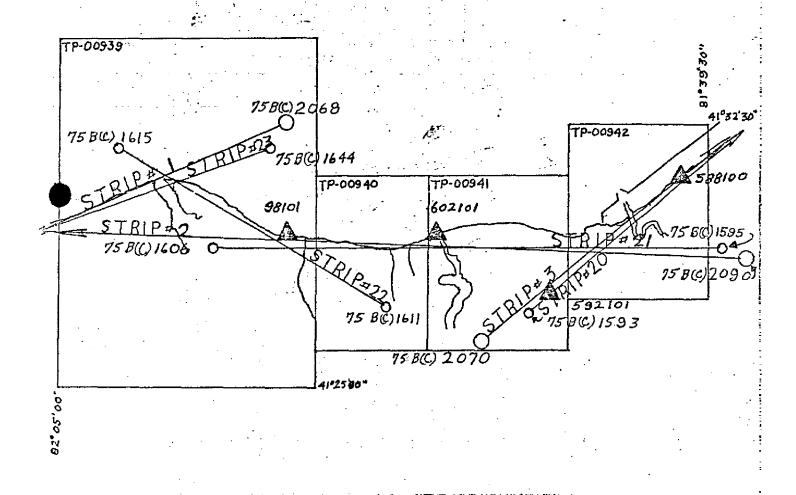


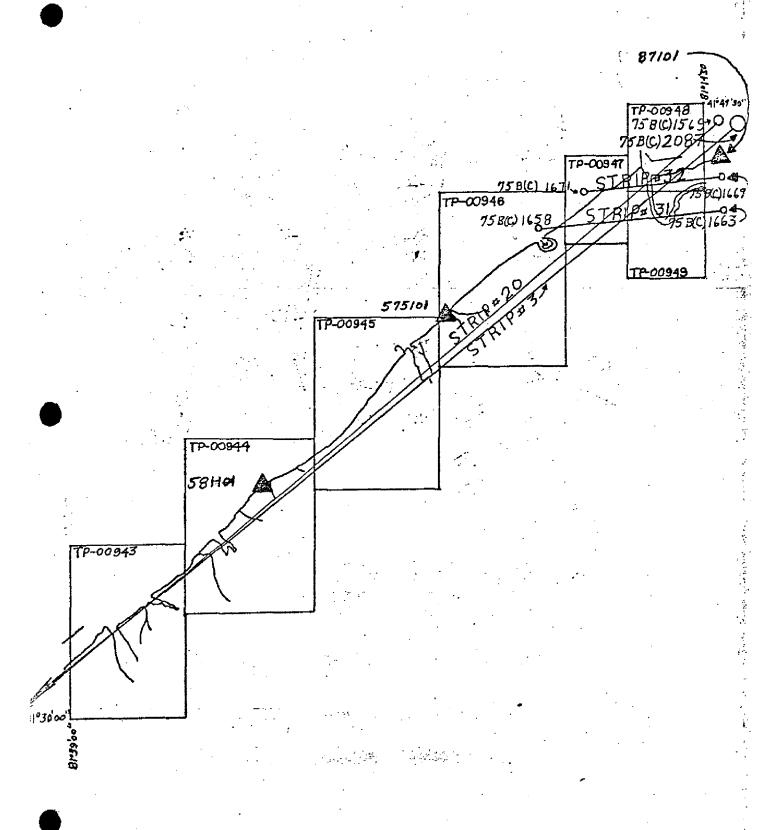
JOB CM-7510 VERMILION TO FAIRPORT HARBOR OHIO

0 140,000

0 1:25,000

0 1:15,000





NO. 1 - 10 - 11 - 11 - 11 - 11 - 11 - 11 -					Property of the property
NOAA + CKM /5-4-1	ļ	DESCRIPTIV	CRIPTIVE REPORT CONTROL RECORD		NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	/ITY
TP-00937	CH-7510	20	N.A. 1927	Coastal Mapping	9 Div (Rockuille)
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE OH/O ZONE North	GEOGRAPHIC POSITION  \$\phi\$ LATITUDE  \$\lambda\$ LONGITIDE	REMARKS
ELYRIA 420 LSC 1973	C52 Gard	620100	07	1.71	Next Plotled. Soc. plot Report will this Descript Peport
LORAIN HARBOR LIGHT 1973		06 1110	475.91	7	
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			y= y=	<b>\$</b>	
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			-h	φ *	
COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE
LISTED BY G Vanderhaue	hourn	DATE	LISTING CHECKED BY HAND PLOTTING CHECKED BY	mmay -9	DATE 9/21/27
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE	H IS OBSOLETE.	

### TP-00937 Compilation Report

#### 31. Delineation

This map was compiled on the Wild B-8 steroplotter from 1:25,000 scale nautural color photography taken in 1975. A portion of this manuscript is shown on TP-00936, scale 1:5,000.

#### 32. Control

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

The indentification, 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):

Lorain, Ohio, 1:24,000 scale, 1969 edition.

No significant differences were noted.

### 47. Comparison with Nautical Charts

A comparison was made with the following charts:

14826 (formerly LS-35), 20th edition dated 2/8/75, 1:80,000 scale.

LS-357, 21st edition dated 3/21/74, 1:10,000 scale.

Items to be Applied to Nautical Charts Immediately - None Items to be Carried Forward - None

Submitted by,

Lloyd Harrod

Suffer Miller Approved and forwarded:

NOAA FORM 75-74		<u>.                                    </u>		U.S. DEPARTMENT OF COMMERCE
(7-75)	РНО	TOGRAMMET	RIC OFFICE REVIEW	NOA/ NATIONAL OCEAN SURVE
			<b>–</b> 00937	
1. PROJECTION AND GRIDS	12 TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
I ROJECTION AND CHIES			WARRED CONT.	WANGSCAFT SIZE
GF	GF		GF	GF
CONTROL STATIONS		•	<u>.                                    </u>	
5. HORIZONTAL CONTROL ST THIRD-ORDER OR HIGHER A	ATIONS OF	6. RECOVERA	BLE HORIZONTAL STATIONS IAN THIRD-ORDER ACCURACY	7. PHOTO HYDRO STATIONS
·-	iodoithe i	(Topographic	c stations)	N/A
N/A 8. BENCH MARKS	19. PLOTTING	GF OF SEXTANT	10 PHOTOGRAMMETRIC	II. DETAIL POINTS
	FIXES	• • • • • • • • • • • • • • • • • • • •	10, PHOTOGRAMMETRIC PLOT REPORT	THE DELIKE TO THE TO
N/A	N/A		GF	G₽
ALONGSHORE AREAS (Nautical	Chart Date)		<u> </u>	·
12. SHORELINE	13. LOW-WATE	RLINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
CD.	NT / D		GF	GF
GF 16. AIDS TO NAVIGATION	N/A	(S	18. OTHER ALONGSHORE	
TO THE TO HATTER TON			PHYSICAL FEATURES	19, OTHER ALONGSHORE CULTURAL FEATURES
GF	GF		GF	GF
PHYSICAL FEATURES	•			<del></del>
20, WATER FEATURES		21. NATURAL	GROUND COVER	22. PLANETABLE CONTOUR
	•	37 67 St		NI / A
GF 23. STEREOSCOPIC	24. CONTOURS	N/A;	25. SPOT ELEVATIONS	N/A
INSTRUMENT CONTOURS	24. CONTOURS	IN GENERAL	23. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
N/A	N/A		N/A	GF
CULTURAL FEATURES	<u>.t</u>		<u> </u>	<del></del>
27. ROADS	28. BUILDINGS	5	29. RAILROADS	30. OTHER CULTURAL FEATURES
GF '	GF		GF	GF
<u></u>				
BOUNDARIES 31. BOUNDARY LINES	<del></del>		32. PUBLIC LAND LINES	
N/A			N/A	
MISCELLANEOUS			·	
33. GEOGRAPHIC NAMES		34. JUNCTION	S	35. LEGIBILITY OF THE MANUSCRIPT
GF		GF		GF
36. DISCREPANCY OVERLAY	37. DESCRIPTI	VE REPORT	38. FIELD INSPECTION	39. FORMS
			PHOTOGRAPHS	
GF	GF		N/A	GF
40. REVIEWER		-	SUPERVISOR, REVIEW SECT	ON OR UNIT
G. From	roner		Ball Special Pi	rojects Section
		/	7 2027 010000	
41. REMARKS (See attached she FIELD COMPLETION ADDITION		TIONS TO THE	IANUSCOIPT	
	furnished by th	e field complet		to the manuscript. The manu-
COMPILER	-		SUPERVISOR	
			1	
42 DENADVE			<u> </u>	
43. REMARKS				
			•	,
,				

#### REVIEW REPORT TP-00937

### 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. Comparison with Maps of Other Agencies

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:

Moief, Ahotogrammetric Branch

Chief, Coastal Mapping Division

December 5, 1977

### GEOGRAPHIC NAMES

### FINAL NAME SHEET

CM-7510 (Vermilion to Fairport Harbor, Ohio)

TP-00937

- · Black River
- Lake Erie
- Lorain

Norfolk & Western (RR)

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 LISTING

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TIONAL OCEAN SURVEY NOAA DEPARTMENT OF COMMERCE USA

\*AFFECTED\* ACTIVITY\* DATATAB VERSION 770818 \* CHARTS THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARK m COMPILATION F. \* • \*ORIGINATING FIELD METHOD AND DATE OF LOCATION \* OFF ICE ΨQ. CMD ROCKVILLE. LORAIN ALTEK\* OHIO CMD \* 11/01/17 N O POSITION RPT UNIT STATE LOCALITY DATE -----LATITUDE LONGITUDE \* **\$ \* \*** ¢ FOR CHARTS REVISED RECORD REASON FOR DELETION PUT TRIANGULATION NAMES IN ( LANDMARKS TO BE DESCRIPTION \* **‡ ‡** ø CM-7510 LAKE ERIE NA 1927 TP-00937 \* \* \*CHARTING\* NAME PRU JOB ∑ LO SVY

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#### NAUTICAL CHART DIVISION

### RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. TP-00937

## INSTRUCTIONS

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

1. Letter all information.

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
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