NOAA FORM 76-35 (3-76)
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY
DECODIDATIVE DEDODA
DESCRIPTIVE REPORT
·
Map No. Edition No.
TP-00874
Job No.
CM-7811
Map Classification
FINAL, FIELD EDITED MAP
Type of Survey
SHORELINE
LOCALITY
State
ILLINOIS - INDIANA General Locality
General Locality
CHICAGO LAKE FRONT
Locality
INDIANA HARBOR
70-0 70 10
19 78 TO 19 81
BEOLETBY IV. 12 CHARLES
REGISTRY IN ARCHIVES
DATE

*U. S. GOVERNMENT PRINTING OFFICE:1976-669-248

1 of 18

NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE			
(3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY T	P- 00874 ~
	ORIGINAL	MAP EDITIO	N NO. (])
	RESURVEY		-
DESCRIPTIVE REPORT - DATA RECORD	-	MAP CLASS	
	REVISED	JOB 🙀	<u>K CM-7811</u>
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division	LAST PRECEEDII	IG MAP EDIT	ноп
AMC, Norfolk, VA	TYPE OF SURVEY	JOB P	H
OFFICER-IN-CHARGE	ORIGINAL	MAP CLASS	
	RESURVEY	SURVEY DA	
Max Ethridge, LCDR	REVISED	19TO 19	
L INSTRUCTIONS DATED			
1. OFFICE	2. F	IELD	
Aerotriangulation January 24, 1980 / Compilation May 27, 1980 /	Horizontal Control Field Edit		e 12, 1978 e 26, 1981
II. DATUMS			
1. HORIZONTAL: X 1927 NORTH AMERICAN	OTHER (Specify)		
	OTHER (Specify)		
☐ MEAN HIGH-WATER ☐ MEAN LOW-WATER	1	t Telson I)
2. VERTICAL: MEAN LOWER LOW-WATER	International Grea (1955) Lake Michig		•
MEAN SEA LEVEL	(1939) Bake Highig	all now we	ter bacum
3. MAP PROJECTION		RID(S)	·
Transverse Mercator	STATE	ZONE	
5. SCALE	Indiana STATE	ZONE	
1:10,000			
III. HISTORY OF OFFICE OPERATIONS			_
OPERATIONS	NAME		DATE
1. AEROTRIANGULATION BY	R. Kelly		DATE April 1980
1. AEROTRIANGULATION BY METHOD: Analytic Landmarks and aids by	R. Kelly R. Kelly		April 1980 _
AEROTRIANGULATION METHOD: Analytic Landmarks and aids by CONTROL AND BRIDGE POINTS PLOTTED BY	R. Kelly R. Kelly R. Cauthorne		
AEROTRIANGULATION METHOD: Analytic LANDMARKS AND AIDS BY CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp CHECKED BY	R. Kelly R. Kelly R. Cauthorne R. Cauthorne		April 1980 " " " "
AEROTRIANGULATION METHOD: Analytic Landmarks and aids by CONTROL AND BRIDGE POINTS PLOTTED BY	R. Kelly R. Kelly R. Cauthorne		April 1980
1. AEROTRIANGULATION BY METHOD: Analytic Landmarks and aids by 2. Control and Bridge Points Plotted by METHOD: Calcomp CHECKED BY 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	R. Kelly R. Kelly R. Cauthorne R. Cauthorne R. Kravitz		April 1980 """" """" Nov. 1980
1. AEROTRIANGULATION METHOD: Analytic 2. Control and bridge points METHOD: Calcomp CHECKED BY 3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:10,000 CHECKED BY CHECKED BY	R. Kelly R. Kelly R. Cauthorne R. Cauthorne R. Kravitz F. Mauldin NA NA		April 1980 "" " " " Nov. 1980 Nov. 1980
1. AEROTRIANGULATION METHOD: Analytic LANDMARKS AND AIDS BY 2. CONTROL AND BRIDGE POINTS METHOD: Calcomp CHECKED BY 3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:10,000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY	R. Kelly R. Kelly R. Cauthorne R. Cauthorne R. Kravitz F. Mauldin NA NA R, Kravitz		April 1980 """ """ Nov. 1980 Nov. 1980 Jan. 1981
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NOAA FORM 76-36B (3-72)		- 0007		TIONAL OCE		TMOSPHE	MENT OF COMMER RIC ADMINISTRATI ONAL OCEAN SURV
		PILATIO		CES		NA. I	ONAL GOLAN SON
1. COMPILATION PHOTOGRAPHY							
CAMERA(S) Wild R.C8 "S'(S=152.2	9 mm)	TYPE	S OF PHO	TOGRAPHY D		TIME F	REFERENCE
TIDE STAGE REFERENCE PREDICTED TIDES REFERENCE STATION RECORDS		•	OR NCHROMA	rıc	MERID		XX5TANDA
NUMBER AND TYPE	DATE	TIME		SCALE	90	th STAG	E OF TIDE
78 S(P) 8189-8190	June 5, 1978	13:54	4 1	:30,000	N.A (Se	e belo	w)
The lake level International Great Lake on June 5. 1978. SOURCE OF MEAN HIGH-WATER L The term Mean Hi ated from the above 1 contact on the photog	s Datum. Wa INE: gh-Water Lir isted photog	nter level de la les de la level de la	vels we ot appl	icable.	at the	Calum	et Harbor gag
							<u>.</u>
3. SOURCE OF MEAN LOW-WATER O	R MEAN LOWER LO	W-WATER	LINE:				
4. CONTEMPORARY HYDROGRAPHIC SURVEY NUMBER DATE(S)	SURVEYS (List o			Bre sources :	DATE(S)		rvey information.) URVEY COPY USEC
5. FINAL JUNCTIONS			L				
NO SURVEY REMARKS	No survey		SOUTH	TP-00876 TP-00877		WEST T	P-00873

IOAA FORM 76-36C 3-72)		TP-00874 HISTORY OF FIELD	NATIONAL OCEANIC	AND ATMOSPHER	ENT OF COMMER IC ADMINISTRATI IAL OCEAN SURV
I. M FIELD INSPE		ATION (Hor. Control) FIEL	D EDIT OPERATION.		2475
	.,	TA (UN	NAM	<u> </u>	DATE
1. CHIEF OF FIEL	PARTY		L. Davis		July 1979
	- 	RECOVERED BY	None		
Z. HORIZONTAL C	ONTROL	ESTABLISHED BY	None		
		PRE-MARKED OR IDENTIFIED BY	None	<u> </u>	
		RECOVERED BY	None		
3. VERTICAL CON	FROL	ESTABLISHED BY	None		
		PRE-MARKED OR IDENTIFIED BY	None	<u> </u>	
	RE	COVERED (Triangulation Stations) BY	None		
 LANDMARKS AN AIDS TO NAVIG 		LOCATED (Field Methods) BY	None		
A103 10 NAVIO		IDENTIFIED BY	None		
		TYPE OF INVESTIGATION			Ĭ
GEOGRAPHIC N. INVESTIGATION		COMPLETE			
N		SPECIFIC NAMES ONLY			į.
		X NO INVESTIGATION	No.		
6. PHOTO INSPEC		CLARIFICATION OF DETAILS BY	None NA	<u></u>	
7. BOUNDARIES AI II. SOURCE DATA	DLIMITS	SURVEYED OR IDENTIFIED BY	NA		
1. HORIZONTAL C	ONTROL IDE	NTIFLEO	2. VERTICAL CONTR	OL IDENTIFIED	
	None				
PHOTO NUMBER		ST A TION. NAME	PHOTO NUMBER	STATION DE	SIGNATION
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	31A HON BE	SIGNATION ,
1					
]]		
3. PHOTO NUMBER	RS (Clarificati	on of details)			
	None				
4. LANDMARKS AN		AVIGATION IDENTIFIED			
		**			
	None				•
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJECT	

7. SUPPLEMENTAL MAPS AND PLANS

5. GEOGRAPHIC NAMES:

None

REPORT

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

X NONE

No horizontal control (photo-identification) coverage fell within the REMARK: limits of this map.

6. BOUNDARY AND LIMITS:

REPORT

X NONE

DAA FORM 76—360 3—72)		TP-00874 HISTORY OF FIELD	•	NIC AND ATMOSPHER	MENT OF COMMER HC ADMINISTRATI NAL OCEAN SURV
FIELD INSPI	CTION OPE	RATION X FIEL	D EDIT OPERATION	· .	····
	OF	PERATION		NAME	DATE
. CRIEF OF FIEL	D PARTY			_	- 1001
			P. B. Walbo.	lt	June 1981
	-u-75	RECOVERED BY	None		
. HORIZONTAL C	ONINOL	VE CENELJEATER	None		
		PRE-MARKED OR IDENTIFIED BY	None		
WESTIGH CON	T04:	RECOVERED BY	None		<u> </u>
. VERTICAL CON	IROL	ESTABLISHED BY	None		
			None		
. LANDMARKS AN		ECOVERED (Triangulation Stations) BY	None		
AIDS TO NAVIG		LOCATED (Field Methode) BY	None		1001
		TYPE OF INVESTIGATION	P. B. Walbo	<u> </u>	<u>June 1981</u>
. GEOGRAPHIC N	AMES	COMPLETE			
INVESTIGATION		SPECIFIC NAMES ONLY			1
		V NO INVESTIGATION			
PHOTO INSPEC	TION	CLARIFICATION OF DETAILS BY	N Miles & D	. B. Walbolt	June 1983
BOUNDARIES A		SURVEYED OR IDENTIFIED BY	N. NIKE G. F	. D. WAIDOIL	June 120
. SOURCE DATA			· <u> </u>		
. HORIZONTAL C	ONTROL ID	ENTIFIED	2. VERTICAL CON	TROL IDENTIFIED	
	None		No.	one	
PHOTO NUMBER		STATION NAME	PHOTO NUMBER		ESIGNATION
				\	
			<u> </u>		
. PHOTO NUMBE	RS (Clarifice	tion of details)			
78 S(P) 8189 ((1:10,000 scale ratios)			
		·			
. LANDMARKS AI	ND AIDS TO	NAVIGATION IDENTIFIED			
(See b	elow)				
PHOTO NUMBER		OBJECT NAME	DUOSO NUNCED	0.000	
THO TO NUMBER	·	OBJECT NAME	PHOTO NUMBER	OBJEC	TNAME
8 S(P)8189	Indiana	Harbor East Bulkhead			
+	Ligh	it			
8 S(P)8189		Harbor Light 2			
1:10,000					
scale ratio	s)				

7.	SUPPL	EMENTAL	MAPS	AND	PLANS

None
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

- 4 Forms 76-40
- 1 Field Edit Report
- l Film Master Field Edit Print

NOAA FORM 76-36D (3-72)

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

TP-00874

		RECOI	RD OF SURVE	Y USE		•
I. MANUSC	RIPT COPIES				<u> </u>	
	CO	MPILATION STAGES	s		DATE MANUSCRI	PT FORWARDED
	DATA COMPILED	DATE	RE	MARKS	MARINE CHARTS	HYDRO SUPPORT
	ation complete (1	manuscript		
pending	g field edit	Jan, 1981	Supersec	ied	None	None
Field	Edit Applied 🗸	1				
	ation Complete	March 1982	Class I ma	anuscript	None	None
774 - a 1 - 2	D	1002	Pinal Man		Jan 7, 198 3	None
Final :	Keview	Sept. 1982	Final Map		0gii 7. , 190 2	None
		,		•		
II. LANDM	ARKS AND AIDS TO NAVIGA	TION				
1. REPO	ORTS TO MARINE CHART D	IVISION, NAUTICAL	DATA BRANCH			
NUMBER	CHART LETTER Number assigned	DATE FORWARDED			REMARKS	
(pages)		7 7006				
1		Jan 7, 198 3	Landmarks	for charts	3	
1		п	Aids for	charts		
		 -	f		·	
1		"	Landmarks	recommend	ed for deletion	
		 				· · · · · · · · · · · · · · · · · · ·
		1				
		L	<u></u>			
	REPORT TO MARINE CHAR' REPORT TO AERONAUTICA					
	AL RECORDS CENTER DA	70700	,			
	BRIDGING PHOTOGRAPHS;		BRIDGING REPO		PUTER READOUTS.	Forme 76-40
2. <u>~</u> 3. XX	CONTROL STATION IDENT SOURCE DATA (except for C	Peographic Names Re	port) AS LISTED	IN SECTION II, N	IOAA FORM 76-36C.	101ms /0 40
	ACCOUNT FOR EXCEPTION	NS:	,	·		
4 []	DATA TO FEDERAL RECO			SEPTEM	BER 1983	
	Y EDITIONS (This section			a adisiaa is asais		_
IV. SURVE	SURVEY NUMBER	JOB NUMBE		p solition is regis	TYPE OF SURVEY	
SECOND	TP·				REVISED RES	URVEY
EDITION	DATE OF PHOTOGRAP	HY DATE OF FI	ELD EDIT		MAP CLASS	
	SURVEY NUMBER	JOB NUMBE	R	☐11. C	III. DIV. DV.	FINAL
THIRD	TP.	_ (3) PH				URVEY
EDITION	DATE OF PHOTOGRAP			 _	MAP CLASS	
				□ III. □] . .	FINAL
	TP	JOB NUMBE		<u> </u>	TYPE OF SURVEY	ÚRVÉV
FOURTH	DATE OF PHOTOGRAP	_ (4) PH		<u> </u>	MAP CLASS	
EDITION				Dii. C]ııı. □ıv. □v.	□FINAL

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

TP-00874

This 1:10,000 scale final shoreline map is one of eleven maps, TP-00868 through TP-00878, that comprise project CM-7811, Chicago Lake Front, Illinois-Indiana.

The purpose of this project was to provide current charting information for nautical chart maintenance. No hydrographic operations were concurrent with this mapping project.

This final map portrays a portion of the Indiana shoreline of Lake Michigan featuring the industrial area of Indiana Harbor.

Two flight strips of 1:60,000 scale panchromatic photography were obtained for aerotriangulation May 10, 1978 using the RC-10 "Y" camera. Four flight strips of 1:30,000 scale panchromatic photography were obtained for compilation June 5, 1978 using the RC-8 "S" camera. This photography provided adequate coverage for the project.

Field work prior to compilation was accomplished in August 1979; this involved the establishment of horizontal control by field photo-identification methods specified to meet aerotriangulation requirements.

Analytic aerotriangulation was adequately provided by the Washington Science Center in April 1980.

Compilation was performed at the Coastal Mapping Section, Atlantic Marine Center, in February 1981. Copies of the Class III map were submitted for field edit.

Field edit was performed in June 1981 by assigned personnel from the Field Surveys Branch, AMC. Field data acquired during this edit was returned to the original compilation office and applied in April 1982.

Final review was performed at the Atlantic Marine Center in September 1982. At that time, a final Chart Maintenance Print was prepared and submitted for the Marine Chart Division.

This Descriptive Report contains all pertinent information used to compile this Final Map. The original base manuscript and all related data was forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

TP-00874

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

Photogrammetric Plot Report

CM-7811

Chicago Lake Front Illinois-Indiana April 18, 1980

21. Area Covered

This report covers 11 1:10,000 sheets, TP-00868 thru TP-00878 of Chicato Lake Front Illinois-Indiana.

22. Method

Two strips of 1:60,000 scale photography were bridged by analytic aerotriangulation methods and adjusted to ground on the Illinois State Plane Coordinate System, Illinois East Zone. These 2 strips were bridged to established compilation points to control 4 strips of 1:30,000 compilation photography. Aids and landmarks were located in bridging of the 1:60,000 scale photography. Ratio values were determined of the 1:30,000 scale photography and one each black-and-white print film were ordered for compilation and field edit. Ruling of manuscript and plotting of points were done on the CALCOMP and forwarded to AMC.

23. Adequacy of Control

The horizontal control provided was adequate except for Foster, 1977 Substitute Station B, which was the intersection of two paved walk-ways.

Due to the irregular shape of the intersection an accurate instrument reading was impossible. All other control held within the accuracy required by National Standards of Maps at 1:10,000 scale.

24. Supplemental Data

Local shoreline and U.S. Geological Survey quadrangles were used to provide vertical elevations for vertical adjustments of bridges.

25. Photography

RC-10 "Y" photography was used for the 2 bridging strips. RC-8 "S" Photography was used for the 4 compilation strips. Both RC-10 "Y" and RC-8 "S" photography were adequate as to coverage and definition. Vacuum failure was noticed at the end lap of the RC-8 "S" photography, but this should not effect the compilation.

Submitted by,

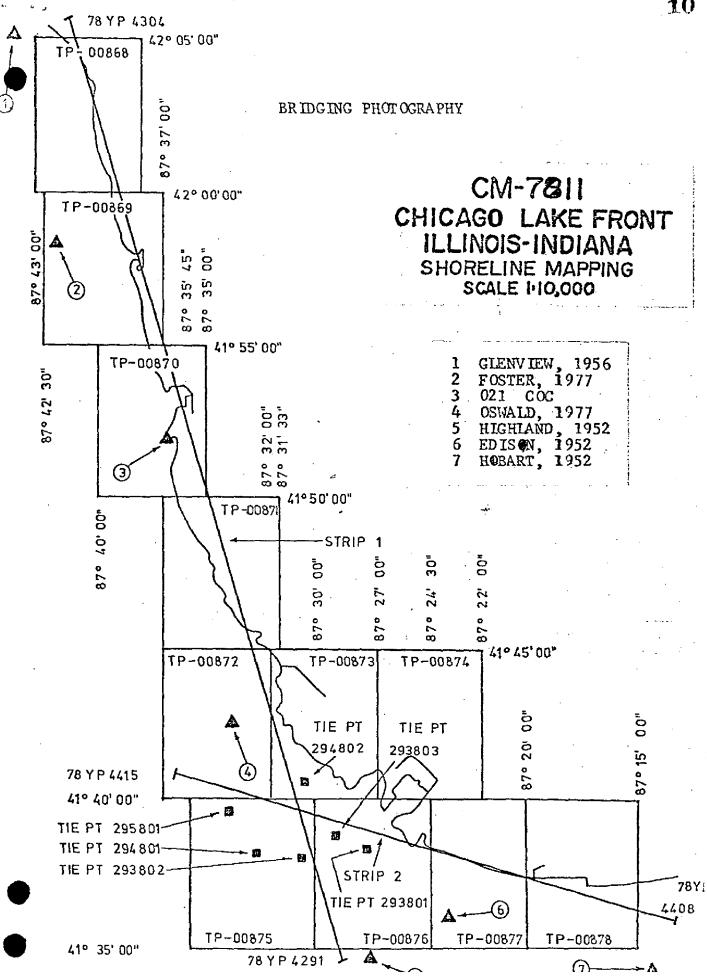
Actual D. Kelly

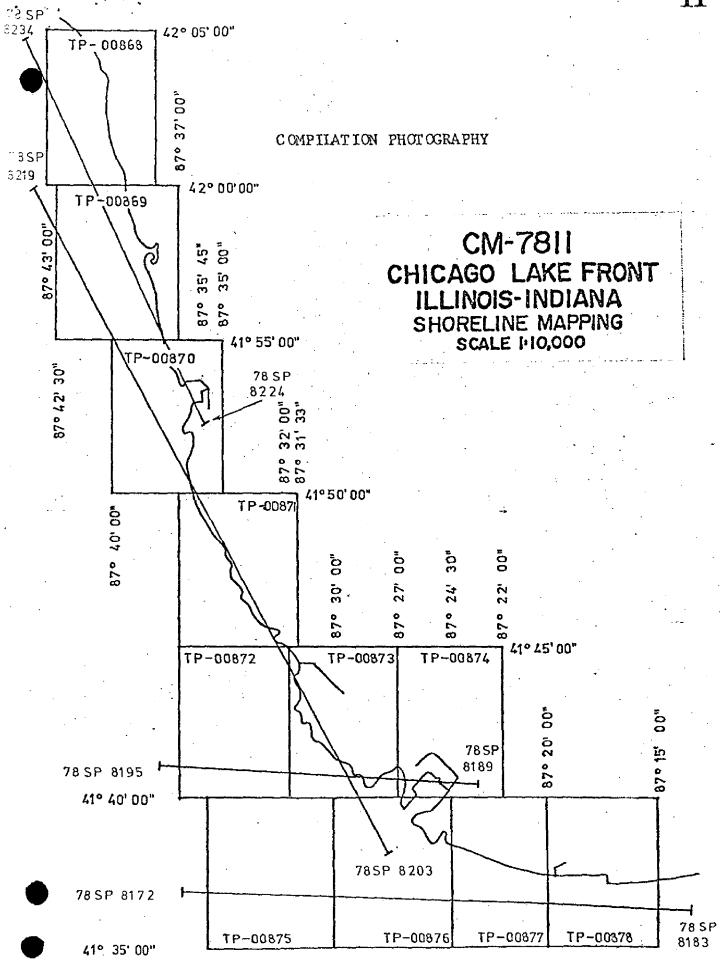
Robert B. Kelly

Approved and Forwarded:

Don O. Norman

Chief, Aerotriangulation Section





CLOUSURES TO CONTROL

STRIP 1

304101 304102	GLENVIEW, 1956	SUB PT A	4.4 3.5,	-6.6 -0.7
301101 301102	FOSTER, 1977	SUB PT A	-0.3 , -0.5	0.8 14.2
298101 298102	021 COC	SUB PT A	1.4	-1.8 -1.3
415101 415102	OSWALD, 1977	SUB PT A	-1.1 0.2	3.1
292101 292102	HIGHIAND, 1952	SUB PT A	-0.0 -1.2	-0.2 -4.9

STRIP 2

415102	OSWALD, 1977	SUB PT B	0.9	0.2
2 95 801	TIE POINT		2.5	-0.1
294801	- 37 - 73		-1.5	-0.7
2 94802	11 11		0.3	2.8
293802	II II		-0.2	-1.1
293803	11 11		-0.9	-0.8
293801	#† #P	•	3.9	1.5
411101	EDISON, 1972	SUB PT A	-2.4	$\tilde{2.5}$
411102	11 11	ii ii B	-1.9	-3.3
409101	HOBART, 1972	SUB PT Ā	-1.7	0.9
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NOAA FORM 76-41 (6-75)				U.S. NATIONAL OCEANIC AND AT	U.S. DE PARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIV	λ±1,
TP-00874	CM-7811		NA 1927	Coastal Mapping Division AMC: Norfolk: VA	ing bivision VA
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STATION NAME	SOURCE OF	ANGULATION	srare Indiana	\$ LATITUDE	REMARKS
	(Index)	NUMBER	zone West	λ LONGITUDE	
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None			ij=	γ	
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COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE
LISTED BY A. Ranck, Jr.		DATE	LISTING CHECKED BY		DATÉ
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSECES N	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	CH IS OBSOLETE.	1

COMPILATION REPORT

TP-00874

31. DELINEATION

Delineation was by instrument methods using the Wild B-8 stereoplotter and by office interpretation of the 1:30,000 scale panchromatic photographs. The compilation photography was adequate. Photographs ratioed at 3.02 times the contact photo size were processed for field edit.

32. CONTROL

The horizontal control was adequate. Refer to the Photogrammetric Plot Report, dated April 18, 1980.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable. Drainage was delineated by the Wild B-8 instrument from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Refer to form 76-36B, Item 2 for shoreline delineation.

Alongshore details were delineated by the Wild B-8 stereoplotter from office interpretation of the photographs.

36. OFFSHORE DETAILS

No unusual problems.

37. LANDMARKS AND AIDS

Preliminary 76-40 forms consisting of 1 page of Navigational Aids and 1 page of Landmarks for Charts were prepared for field edit.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Refer to the Data Record Form 76-36B, Item 5.

TP-00874

40. HORIZONTAL AND VERTICAL ACCURACY

See Item #32.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. quadrangle, Whiting, Indiana, 1968, scale 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with N.O.S. Chart, 14929, 16th edition, January 27, 1979, 1:15,000; 14926, 3rd ed., July 24, 1976, 1:15,000 and 1:20,000; 14927, 17th ed., May 5, 1979, 1:60,000

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by,

Robert R. Kravitz Cartographic Technician

Date: January 23, 1981

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT TP-00874

FIELD EDIT

An adequate field edit was accomplished.

FIELD EDIT REPORT
TP-0087L INDIANA HARBOR
CM-7811 CHICAGO LAKE FRONT
ILLINOIS - INDIANA

51. METHODS

This Map was edited by boat and by foot. All Landmarks and features were checked from seaward.

52. ADEQUACY OF COMPILATION

This compilation appears to be good, and will be both complete and adequate upon the application of this Edit.

54. RECOMMENDATIONS

Several slag areas are questioned on the Map. These areas are under constant change, and there is no way to show a permanent outline of them.

56. GEOGRAPHIC NAMES

There are no additions, changes, or corrections to the geographic names on this map.

57. LANDMARKS AND AIDS

All Landmarks and Aids were inspected from seaward: / two Landmarks which are small and insignificant are deleted; two prominent Stacks are recommended as Landmarks.

Two Lights are shown on Photo 8189. The necessary Forms 76-40 are completed and submitted herein.

58. FIELD EDITOR

Field Edit was by P. B. Walbolt.

24 August 1981

Submitted by:

Philip B. Walbolt

Chief, Photo Party 63

REVIEW REPORT TP-00874 SHORELINE

61. GENERAL STATEMENT:

Refer to the Summary included in this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. quadrangle Whiting, Indiana, 1:24,000 scale dated 1968. No significant discrepancies were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic survey was conducted in the area common to this final map.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following N.O.S. charts:

14926, 3rd edition, 1:20,000 scale, dated July 24, 1976 14929, 16th edition, 1:15,000 scale, dated January 27, 1979 14927, 17th edition, 1:60,000 scale, dated May 5, 1979

The 1:60,000 scale coverage (pg. 29) on Chart 14926 indicates two East Bulkhead Lights (Light List #2160). The most westerly position was field investigated and not found during field edit. This "Light" does not appear on the other charts covering this area and is possibly a charting error. Also, the 1:20,000 scale coverage (pg. 13) on Chart 14926 displays the incorrect position.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by, Jany J. Hansok Jerry L. Hancock

Final Reviewer

Approved for forwarding,

Billy H. Barnes

Chief, Photogrammetric Branch, AMC

REVIEW REPORT TP-00874 SHORELINE

Approved:

Photogrammetric Branch, Rockville Chief, Photogrammetry Division

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7811 (Chicago Lakefront, Illinois-Indiana)

TP-00874

East Chicago

Indiana Harbor

Lake Michigan

Approved by:

Charles E. Harrington Chief Geographer OA/C3x5

CM-7811 CHICAGO LAKE FRONT, ILL. & IND.

MATERIAL ON FILE

NATIONAL ARCHIVES/FEDERAL RECORDS CENTER

BOX (CONTENTS)

Control Station Identification Cards
Field Identified Horizontal Control Photographs
Field Edit Photographs
Bridging Photographs
Field Edit Copies (Discrepancy Prints)

Project Completion Report

BUREAU ARCHIVES

Registered Maps
Descriptive Reports

REPRODUCTION DIVISION

8x Reduction Negative of Each Map

OFFICE OF STAFF GEOGRAPHER

Geographic Names Standards

NOAA FORM 76-40	40					Š	. DEPARTM	U.S. DEPARTMENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
(8-74) Replaces C&GS Form 567	rm 567.	NONFLOATING AIDS:	S	Z Z	FOR CHARTS	RTS	MOSPHER	ADMINIST KATION	HYDROGRAPHIC PARTY GEODETIC PARTY DENOTO FIFTD BARTY	4RTY 1
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Page 1 of 3

TYPE OF ACTION OBJECTS INSPECTED FROM SEAWARD	RESPONSIBLE PERSONNEL	PERSONNEL	ORIGINATOR THOTO FIELD PARTY HYDROGRAPHIC PARTY
OBJECTS INSPECTED FROM SEAWARD	P. Walbolt		GEODETIC PARTY OTHER (Specify)
	· P. Walbolt		FIELD ACTIVITY REPRESENTATIVE
FOSTIONS DETERMINED AND/OR VERIFIED	R. Kravitz		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			REVIEWER QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	OR ENTRIES UNDER METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	
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ction on sitions*	7 - Planetable 8 - Sextant require entry of method of e of field work.	III. POSITION VERIFIED VISUAL Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75	VERIFIED VISUALLY ON PHOTOGRAPH Vis.' and date. V-Vis. 8-12-75
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*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	are determined by field obser- ntirely upon ground survey methods.	by photogrammetric methods.	ds.

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 78-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

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TO BE REVISED TO BE DELETED			Indiana	Chic	Chicago Lake Front	Front	June 1981		L & REVIEW GRP.
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NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S.GPO:1975-0-665-080/1155

NOAA FORM 76-40 (8-74)	. 07	٠		HAN	IONAL OCE	U.S ANIC AND A	. DEPARTM .TMOSPHER	ENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
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NOAA FORM 78-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S.GPO:1975-0~665-080/1155

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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
			Full Part Before After Verification Review Inspection Signed Via
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