NOAA FORM 76-35 (3-76)	\$
U.S. DEPARTMENT OF CO	MMERCE
NATIONAL OCEANIC AND ATMOSPHER NATIONAL OCEAN SUI	
DECODIDATIVE F	CDODT
DESCRIPTIVE F	KEPUK I
	17.1° BY
Map No. E	Cdition No. 1
Job No.	<u> </u>
CM-7811	
Map Classification	
FINAL, FIELD EDITED MA	\P
Type of Survey	•
SHORELINE	
LOCALITY	
State	
ILLINOIS - INDIANA	,
ILLINOIS - INDIANA General Locality	
CHICAGO LAKE FRONT	
Locality	
WILMETTE HARBOR	
i	
1978 TO 1981	1
	 .
REGISTRY IN ARCI	HIVES
DATE	
1 -···-	

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

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NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN,	TYPE OF SURVEY	SURVEY TF. 00868
The state of the s	₩ ORIGINAL	MAP EDITION NO. (1)
		7.
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	map class Final
	REVISED	јов <u>≱нх СМ−7811</u>
PHOTOGRAMMETRIC OFFICE	LAST PRECEED	ING MAP EDITION
Coastal Mapping Division	TYPE OF SURVEY	JOB PH
AMC, Norfolk, VA	ORIGINAL	MAP CLASS —
		SURVEY DATES:
Max Ethridge, LCDR		
I. INSTRUCTIONS DATED		
1. OFFICE	2.	FIELD
Aerotriangulation January 24, 1980 Compilation May 27, 1980	Horizontal Contro Field Edit	1 June 12, 1978 June 26, 1981
II. DATUMS		
1. HORIZONTAL: X 1927 NORTH AMERICAN	OTHER (Specity)	
	OTHER (Specity)	·
☐ MEAN HIGH-WATER ☐ MEAN LOW-WATER	1 . ' - '	at Lakes Datum, (1955
2. VERTICAL: MEAN LOWER LOW-WATER	Lake Michigan Low	
MEAN SEA LEVEL 3. MAP PROJECTION	<u> </u>	
	STATE	GRID(S)
Transverse Mercator	Illinois	East
5. SCALE	STATE	ZONE
1:10,000	<u> </u>	<u> </u>
III. HISTORY OF OFFICE OPERATIONS	T	
OPERATIONS 1. AEROTRIANGULATION BY	R. Kelly	April 1980
METHOD: Analytic LANDMARKS AND AIDS BY	R. Kelly	April 1980
2. CONTROL AND BRIDGE POINTS PLOTTED BY	R. Cauthorne	April 1980
METHOD: Calcomp CHECKED BY	R. Cauthorne	April 1980
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	R. Kravitz F. Mauldin	July 1980 July 1980
COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY	NA NA	- July 1900
scale: 1:10,000 CHECKED BY	NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	R. Kravitz	July 1980
CHECKED BY	F: Margiotta	August 1980
METHOD: Smooth drafted CHECKED BY	NA NA	
HYDRO SUPPORT DATA BY	R. Kravitz	July 1980
SCALE: 1:10,000 CHECKED BY	F. Margiotta	August 1980
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	F. Margiotta	August 1980
6. APPLICATION OF FIELD EDIT DATA	P. Evans	Oct. 1981
7. COMPILATION SECTION REVIEW BY	C. Blood C. Blood	April 1982 April 1982
8. FINAL REVIEW BY	J. Hancock	August 1982
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	J. Hancock	Oct. 1982
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	R. Kelly	GC7 Apr. 1983
11, MAP REGISTERED - COASTAL SURVEY SECTION BY	(Signed)	4 1000

NOAA FORM 76-36 A

SUPERSEDES FORM C&GS 181 SERIES

NOAA FORM 76-36B (3-72)					N	ATIONAL OCE				OF COMMERCE
				-00868	i com	, Does		NA.	TIONAL	DCEAN SURVE
			СОМ	PILATIO	N 200	KCE2				
1. COMPILATION PHO	TOGRAPHY									
CAMERA(S) Wild R.C8 "	S" (S =	152.29	mm)	TYPE	OF PH	OTOGRAPHY END		TIME	REFERI	ENCE
TIDE STAGE REFERE							ZONE			
PREDICTED TIDES	. NA			(C) COL		ATIC	Cet	ntral		STANDAR
REFERENCE STAT			Į	(I) INF		A 110	MERIDI	AN]
TIDE CONTROLLE	D PHOTOGR							90th		<u> </u>
NUMBER AND	TYPE	DA	ATE .	TIME	;	SCALE		STA	GE OF T	IDE
78 S(P) 8229-8	233	June	5, 1978	14:24	+	1:30,000	NA (See	belo	w)	
REMARKS The la International on June 5, 197 2. SOURCE OF MEAN	Great La	akes Dat								above the
ated from th				_			as the	visib	ole li	ne of
3. SOURCE OF MEAN	LOW-WATE	R OR MEAN	LOWER LO	W-WATER I	LINE:					
4. CONTEMPORARY SURVEY NUMBER	HYDROGRAI		YS (List o			nat are sources	for photogram	unetric		(cometion.)
e Cina una	<u> </u>			<u>,</u>	Į				1	
5. FINAL JUNCTIONS	,	EAST			SOUTH	<u></u>		WEST		
No survey		No su	irvev			TP-00869		· Nr) S11737	ev
REMARKS		110 00	, <u>,</u>		·				, Darv	<u>-,</u>
No survey REMARKS		No su	<u>irvey</u>			TP-00869		<u> No</u>) Surv	ey

NOAA FORM 76-36C (3-72)

TP_00868

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

·		HISTORY OF FIELD	OPERATIONS.		
1. XX FIELD INSP	ECTION OPE	RATION (Hor. Control) FIELD	EDIT OPERATION		
	ОР	ERATION		NAME	DATE
1. CHIEF OF FIEL	D PARTY		L. Davis_		Aug. 1979
		RECOVERED BY	None		
2. HORIZONTAL C	CONTROL	ESTABLISHED BY	<u>None</u>		
		PRE-MARKED OR IDENTIFIED BY	None		
		RECOVERED BY	None	 -	
3. VERTICAL CON	ITROL	ESTABLISHED BY	<u>None</u>		
		PRE-MARKED OR IDENTIFIED BY	None	. <u> </u>	
	R	ECOVERED (Triangulation Stations) BY	None		
4. LANDMARKS AT		LOCATED (Field Methods) BY	None		
AIDS TO NAVIG	ATION	IDENTIFIED BY	None		
		TYPE OF INVESTIGATION			
5. GEOGRAPHIC N		COMPLETE BY			
INVESTIGATION	N	SPECIFIC NAMES ONLY			
		Y NO INVESTIGATION			
6. PHOTO INSPEC	TION	CLARIFICATION OF DETAILS BY	None		
7. BOUNDARIES A	ND LIMITS	SURVEYED OR IDENTIFIED BY	NA		
II. SOURCE DATA			-		
I. HORIZONTAL	CONTROL IDE	INTIFIED	2. VERTICAL CO	NTROL IDENTIFIED	
	None			None	
PHOTO NUMBER	,	STATION NAME	PHOTO NUMBER	STATION D	ESIGNATION
3. РНОТО NUMBE	RS (Clarificat	ion of details)	<u> </u>	<u> </u>	
A LANGMARKS A	None	IAVIGATION IDENTIFIED			
4. LANDMARKS A	None	AVIGATION IDENTIFIED			
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJE¢	TNAME
5. GEOGRAPHIC	NAMES:	REPORT NONE	6. BOUNDARY AN	ND LIMITS:	ORT XX NONE
7. SUPPLEMENTA			D. BOUNDARY AN	TO LIMITS: HEP	OK! XX NONE
		PLANS			
8. OTHER FIELD REMARK: No	horizon	tetch books, etc. DO NOT list data submittal control (photo-identithis map.		-	thin the

HOITE				
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME	
	•			
5. GEOGRAPHIC NAMES:	REPORT XX NONE	6. BOUNDARY AND LIM	ITS: REPORT XX NONE	_
				_

- 7. SUPPLEMENTAL MAPS AND PLANS
- 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)
 - 4 Forms 76-40
 - 1 Field Edit Report
 - 1 Film Master Field Edit Print

NOAA FORM 76-36D U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (3-72)TP-00868 RECORD OF SURVEY USE 1. MANUSCRIPT COPIES DATE MANUSCRIPT FORWARDED COMPILATION STAGES MARINE CHARTS HYDRO SUPPORT DATA COMPILED DATE REMARKS Class III manuscript Compilation complete pending field edit (Superseded) August 1980 None None Field Edit Applied Compilation Complete April 1982 None Class I Manuscript None Final Review Aug. 1982 Final Map Jan 7, 198**3** None II. LANDMARKS AND AIDS TO NAVIGATION 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH DATE CHART LETTER NUMBER (Dages REMARKS NUMBER ASSIGNED FORWARDED Jan 7. 198**3**| Aids to be charted. 2 Landmarks to be charted Landmarks to be deleted 2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 3. TREPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: III. FEDERAL RECORDS CENTER DATA 1. X BRIDGING PHOTOGRAPHS; X DUPLICATE BRIDGING REPORT; X COMPUTER READOUTS. 2. X CONTROL STATION IDENTIFICATION CARDS; X FORM NOS XXXSUBMITTED BY FIELD PARTIES. (76-40)3. X SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 75-36C. ACCOUNT FOR EXCEPTIONS: DEPTEMBER 4. DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered) SURVEY NUMBER JOB NUMBER TYPE OF SURVEY REVISED RESURVEY PH -(2) SECOND DATE OF PHOTOGRAPHY DATE OF FIELD EDIT MAP CLASS EDITION □ III. □ IV. □ V. □ ii. FINAL TYPE OF SURVEY SURVEY NUMBER JOB NUMBER REVISED RESURVEY THIRD PH-(3) MAP CLASS DATE OF PHOTOGRAPHY DATE OF FIELD EDIT EDITION □in. □iv. Пν. FINAL SURVEY NUMBER JOB NUMBER TYPE OF SURVEY REVISED RESÚRVÉY TP - _ _ (4) PH-**FOURTH**

DATE OF FIELD EDIT

EDITION

DATE OF PHOTOGRAPHY

□v.

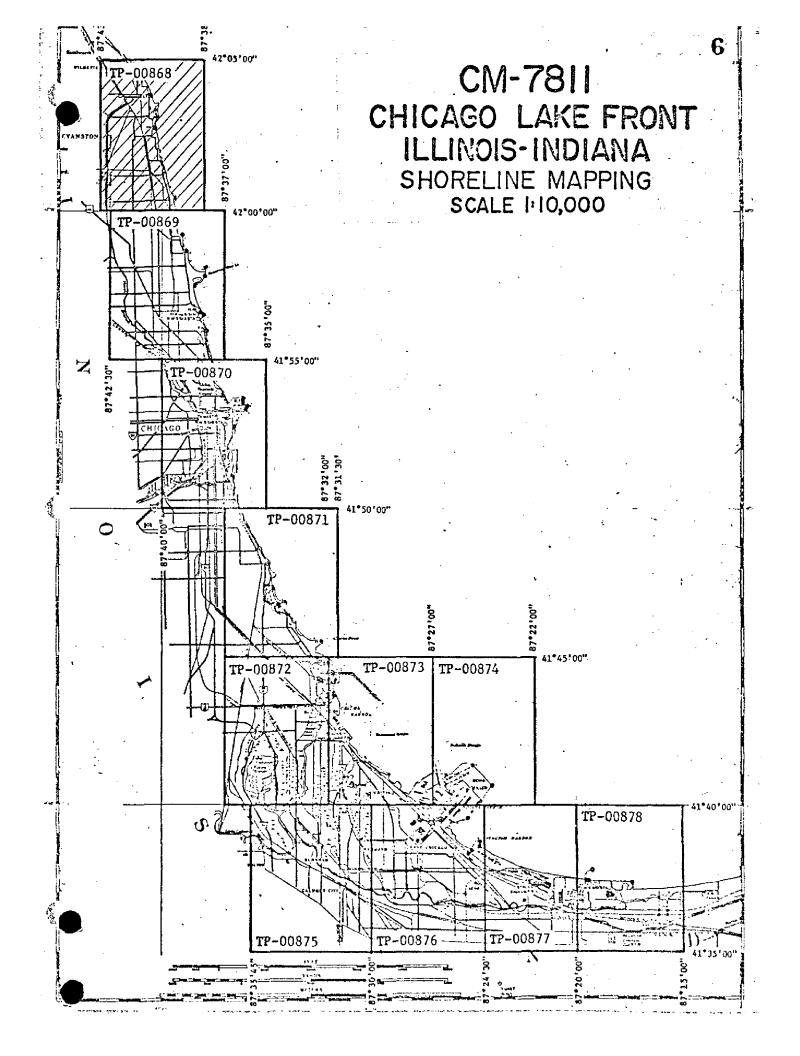
FINAL

MAP CLASS

∐ìv.

□u.

□m.



SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

TP-00868

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 features Wilmette Harbor and a portion of the Illinois shoreline along the west side of Lake Michigan from Lat. $42^{\circ}00.0$ ' to Lat. $42^{\circ}05.0$ '. This mapping area defines the northern limit for the project.

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 August 1980. 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 August 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-00868

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-andwhite 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 walkways.

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.

Photography 25.

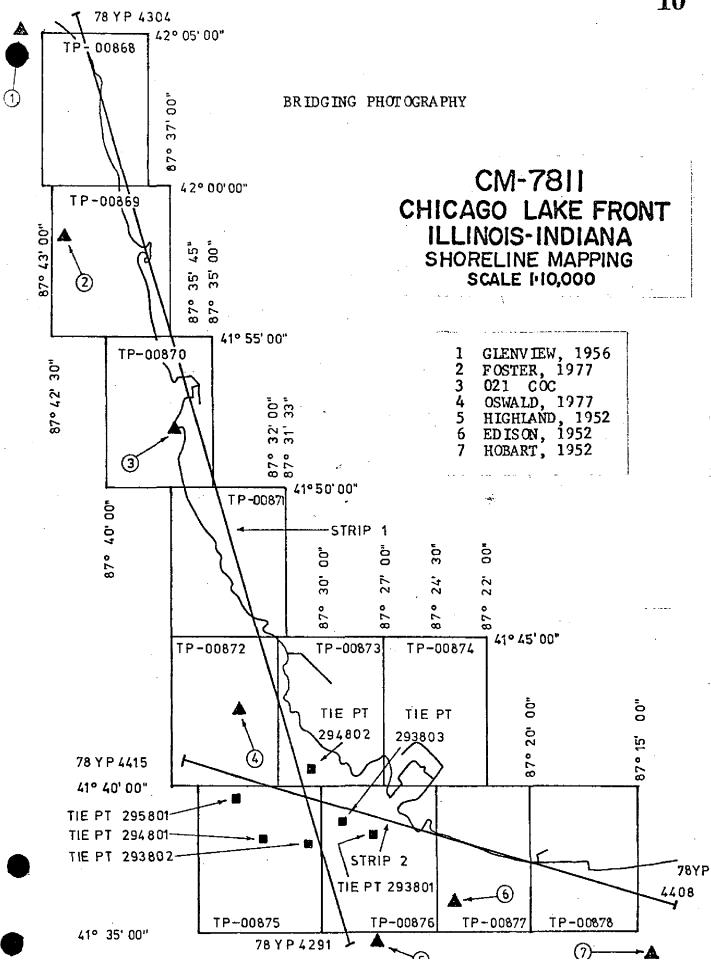
RC-10 "Y" photography was used for the 2 bridging strips. RC-8 "S" Photography was used for the 4 compilation strips. Both RC-10 "Y" and RC-8 "S" photography were adequate as to coverage and definition. Vacuum failure was noticed at the end lap of the RC-8 "S" photography, but this should not effect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

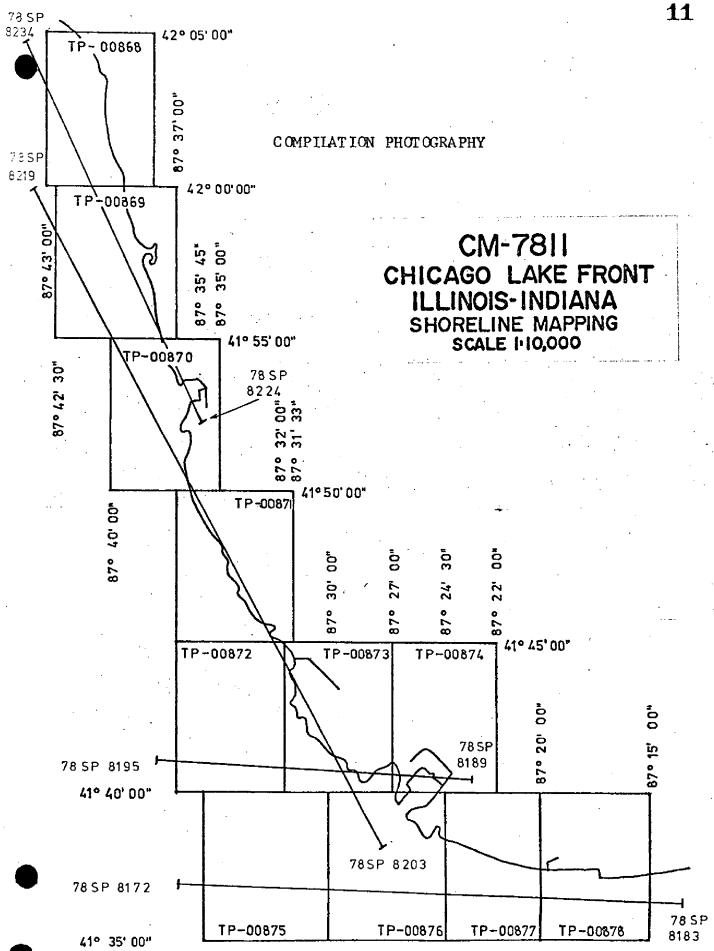
Robert B. Kelly

Approved and Forwarded: Don O. Norman

Don O. Norman

Chief, Aerotriangulation Section





CLOMSURES 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 0.8
292101 292102	HIGHLAND, 1952	SUB PT A	-0.0 -1.2	-0.2 -4.9

STRIP 2

415102	OSWALD, 1977	SUB PT B	0.9	0.2
295801	TIE POÍNT		2.5	-0.1
294801	- 71 11		-1.5	-0. 7
294802	11 H		0.3	2.8
293802	11 11		-0.2	-1.1
2 93 803	14 11		-0.9	-0.8
2 93 801	FF 55		3.9	1.5
411101	EDISON, 1972	SUB PT A	-2.4	2.5
411102	11 11	" "В	-1.9	-3.3
409101	HOBART, 1972	SUB PT A	-1.7	0.9
409102	11 11	'' '' B	-5. 6	0.1

NOAA FORM 76-41				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	DEPARTMENT O	F COMMERCE
(0,10)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD			
MAP NO. TP-00868	JOB NO. CM-7811	1	GEÓDETIC DATUM NA 1927	Coastal Mapping	ing Division	
2222222			COORDINATES IN FEET	GEOGRAPHIC POSITION	۸ ۵	
STATION NAME	SOURCE OF	AEROTRI- ANGULATION	srare Illinois	\$ LATITUDE	REMARKS	4KS
	(Index)	NUMBER	zone East	λ LONGITUDE	Front M.	Back M.
WILMETTE, THE BAHAI HOUSE OF	420873		= χ	φ 42°04'27.835"		
DOME, 1956	1081	7	η=	λ 87041'03.223" /		
EVANSTON, RADIO STATION,	420873		x= 669,810.84	\$42°02'02.603"	80.5	1770.7
WEAW-FM, MAST 1956	1035	2	y= 1,955,583.89	λ87°42'29.828"	. 0.989	. 694.2
EVANSTON MINICIPAL TANK.	G-16005		χ=	\$ 42°01'47.042"	1451.2	400.0
1977	TSN-1	302108	- fi	λ 87042'16.220"	373.5	1006.6
SKOKTE, FRI., PRO, INC.	G-16005		χ=	\$ 42°00°59.266"	1828.4	22.8
77	5-		<i>h</i> =	λ 87042'51.582"~	1187.2	193.3
LINCOLNWOOD, BELL HOWELL	G-16005		χe	\$ 42000'22.497"	693.9	1157.3
	9-		=ĥ	λ 87°42'52,564"	1209.9	170.9
CHICAGO, ST. IGNATIUS	G-16005		=X	\$ 42°00°05.378°	165.8	1685.4
CUPOI	TSN-7		=ĥ	λ 87039'52.780"	1215.1	165.7
			=X	ф		
			=ĥ	γ		55. 'a
			=X	ф		
			=ħ	γ		
			-χ	ф		
			h=	γ		
			=X	ф		
			-h	γ		
COMPUTED BY A. Rauck		DATE 5/12/80	COMPUTATION CHECKED BY F. Margiotta		May 12, 1	1980
LISTED BY A. Rauck, Jr.		DATE 5/2/80	DATE LISTING CHECKED BY 5/2/80 LISTING CHECKED BY		May 9, 1980	80
HAND PLOTTING BY		DATE 5/21/80	HAND PLOTTING CHECKED BY I. Perkinson		May 22, 1	1980
ONIDITION OF		SUPERSEDES N	DAA FORM 76-41, 2-71 EDITION WHIC	TH IS OBSOLETE.		Li

COMPILATION REPORT

TP-00868

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 Photogram-metric 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 2 pages 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-00868

40. HORIZONTAL AND VERTICAL ACCURACY

See Item #32.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. quadrangle, Evanston, Ill., 1963, photorevised 1972.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with N.O.S. Chart No. 14926, scale 1:10,000, dated July 24, 1976, 3rd edition; and No. 14927, scale 1:60,000, dated May 5, 1979, 17th edition.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Robert R. Kravitz Cartographic Technician

Date: July 22, 1980

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00868

FIELD EDIT

A network of potable water intake (PWI) pipelines at Lat. $42^{\circ}03.7$, Long. $87^{\circ}40.4$ and another dual intake pipeline at Lat. $42^{\circ}04.9$, Long. $87^{\circ}41.3$ were not field located but were verified as being charted correctly. These were not delineated on the map.

A position for the charted light at Lat. 42°02.7', Long. 87°40.3' (City of Evanston Launch Facility Light) was not determined. This light was not apparent on the photographs nor was it thoroughly field investigated.

FIELD EDIT REPORT TP=00868 .CM=7811

51. Methods

The Field Edit was performed as prescribed by Project Instructions dated June 26, 1981 and by the Photogrammetry Instructions of the National Ocean Survey Operations Manual. The Field Edit was accomplished by skiff, truck, and on foot.

Field Edit annotations will be found on both the photographs and on the Master Field Edit Print. Annotations are cross-referenced where necessary.

A plan of the Wilmette Water Works is included with this report showing the locations of the primary and secondary water intakes. A plan was not available for the City of Evanston Water Works, however a plant engineer confirmed the locations of the Primary Water Intakes as they are shown on Chart 14926.

52. Adequacy of Compilation

Adequate pending application of Field Edit.

54. Recommendations
None.

57. Landmarks and Aids

Three Landmarks previously charted have been recommended for deletion as their value as Landmarks is extremely doubtful, however the "NWS SIG STA" and the "RADIO MAST" at C.G. Station may be kept as map features if so desired

One Light previously charted has been found to be destroyed and has been recommended for deletion.

One Landmark previously charted has been recommended to be revised as its name was found to be in error.

The appropriate forms 76-40 are herein submitted for the above and the remaining Landmarks and Aids to be retained as previously charted.

58. Horizontal Control

Two Triangulation Stations were found to be destroyed, six were recovered and one was found to be in error. The appropriate forms 75-82A*are included.

Approved and forwarded,

Robert S. Tibbetts

Chief, p.p. 62

Submitted,

Clifton S. Middleton Jr.

Surveying Technician

REVIEW REPORT TP-00868

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 Evanston, Ill., 1:24,000 scale, dated 1963, photorevised 1972. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

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

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following N.O.S. charts: 14926, 3rd edition, 1:10,000 scale, dated July 24, 1976 14927, 17th edition, 1:60,000 scale, dated May 5, 1979

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: Jens Hancock Jerry L. Hancock

Approved for forwarding:

Billy H. Barnes

Chief, Photogrammetric Branch, AMC

Photogrammetric Branch, Rockville Chief, Photogrammetry Division

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7811 (Chicago, Lakefront, Illinois-Indiana)

TP-00868

Chicago

Chicago and North Western (RR)

Evanston

Lake Michigan

North Shore Channel

Wilmette

Wilmette Harbor

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			Z	TIONAL OCE	U.	S. DEPARTM STMOSPHER	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567	Form 567.	NONFLOATING AIDS	G AIDS		FOR CHARTS	ARTS			GEODETIC PARTY PHOTO FIELD PARTY	, , <u>, , , , , , , , , , , , , , , , , </u>
X TO BE CHARTED		FEPORTING UNIT	STATE		LOCALITY			DATE	COMPILATION ACTIVITY	14114
TO BE REVISED		stal Mapping Div. , Norfolk, VA	Islom Illinois	S	Chicago	go Lake	Front	October 1981	OUALITY CONTROL & REVIEW GRP.	LAREVIEW GRP. NCH
The following	•	HAVE NOT	been inspected from seaward to determine their value as landmarks.	award to de	etermine the	ir value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT NO.		<u> </u>	VEY NUMBER	DATUM	7007					
	<u> </u>	CM-7811 T	TP-00868 /	NA	192/	Z		METHOD AND DATE OF LOCATION (See instructions on reverse side)	ETHOD AND DATE OF LOCATION (See instructions on reverse side)	CHARTS
				LAT	LATITUDE	LONGITUDE	TUDE			AFFECTED
CHARTING	(Record reason fo Show triangulation	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in perentheses)	sid to navigation. Heable, in perentheses,	•	D.M. Meters		// D.P.Meters	OFFICE	FIELD	
	Wilmette	Harbor Pierhead	Light /	42	43.20	87	47.55	78 S(P) 8233	V-VIS	14926
LIGHT			1	04	1333	04	1093	6/5/78	6/18/81	14927 14905
	Wilmette Harbor	Harbor Entrance North	North Light	42 /	37.73	87	45.33 /	78 S(P) 8233	SIV-V	Ξ:
LIGHT				04	1164	70	1042	6/5/78	6/18/81	= =
LIGHT	Wilmette Harbor	Harbor Entrance	South Light	/ 75	36.75	87	48.42	78 S(P) 8233	SIV-V	= =
1				04	1134	40	1113	6/5/78	6/18/81	
LIGHT	Grossepoi	Grossepoint Light /		42	49.88	87 /	33.44	78 S(P) 8233	SIA-A	Ξ:
N-	•			03	1539.	740	697	6/5/78	6/18/81	: :
DAY	South Boulevard	levard Branch /		42 /	38,38	87	57,72	78 S(P) 8231	v-vis	41
BEACON	Warning I	Warning Daybeacons (2)		01	1184	39.	1328	6/5/78	. 6/19/81	= -
LICHT	Farwell 4	Farwell Avenue Breakwater Light	r Light	42 /	24.63	87	18.08	78 S(P) 8229	SIA-A	= =
				00	760	39	4T6	8//5/9	19/61/9	11
LIGHT	City of Light (Not	Evanston in place	Launch Facility at time of field edi	43 02.		87 40.3		Not Vis	Unverified 6/19/81	: ; :
										,
									i	
							į			
			·						ľ	
						ĺ			Dage] of	7

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	RESPONSIBLE PERSONNEL	PERSONNEL	
TYPE OF ACTION	NAME	¥ m	ORIGINATOR
		-	XX PHOTO FIELD PARTY HYDROGRAPHIC PARTY
OBJECTS INSPECTED FROM SEAWARD	R. Tibbetts		GEODETIC PARTY OTHER (Specify)
	. Į	7	FIELD ACTIVITY REPRESENTATIVE
COLLIONS DE LERMINED AND/OR VERTIFIED	P. Evans	·	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW	ι		QUALITY CONTROL AND REVIEW GROUP
AND REVIEW GROUP AND FINAL REVIEW			REPRESENTATIVE
INI	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE (Consult Photogrammetric Instructions No. 64)	OR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	
OFFICE IDENTIFIED AND LOCATED OBJECTS	TED OBJECTS	FIELD (Cont'd) B. Photogrammetric fie	mmetric field positions** require
ther the number and date (including month, day, and year) of the photograph used to identify and locate the spiect. EXAMPLE: 75E(C)6042 8-12-75	graph used to	date of field work ar graph used to locate EXAMPLE: P-8-V 8-12-75 741 (6)2982	method of location of verification, field work and number of the photo-ed to locate or identify the object. P-8-V 8-12-75 741 (6)9989
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols F - Field L - Located Vis - Visually	NED OR VERIFIED data by symbols as follows: P - Photogrammetric Vis - Visually	ATION STAT	ION RECOVERED aid which is also a tri- is recovered, enter 'Triang. recovery.
1 1	Field identified Theodolite	EXAMPLE: Friang. Rec. 8-12-75	Ÿ
tion 7 - n 8 -	Planetable Sextant	III. POSITION VERIFIED VISUA Enter 'V+Vis.' and date	VERIFIED VISUALLY ON PHOTOGRAPH Vis.' and date.
tions* requ nd date of	entry of method of sld work.	EXAMPLE: V-Vis. 8-12-75	
EXAMPLE: F-2-6-L 8-12-75		**PHOTOGRAMMETRIC FIELD POSITIONS are dependent	in part upon control established
*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	ound survey methods.	=	ods.

NOAA FORM 78-40 (8-74)

NOAA FORM 76-40 (8-74)	-40		A Z	TIONAL OCEA	U.	S. DEPARTM Atmospher	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567.	:m 567.		DMARKS	LANDMARKS FOR CHARTS	RTS			GEODETIC PARTY	
X TO BE CHARTED	REPORTING UNIT	STATE		LOCALITY			DATE	COMPILATION ACTIVITY	ועודץ
TO BE REVISED TO BE DELETED	Coastal Mapping	Division Illinois	αί	Chicago	Lake	Front	October	FINAL REVIEWER QUALITY CONTROL & REVIEW GRP	S REVIEW GRD.
The following objects	HAVE XI HAVE NOT	been inspected from seaward to determine their value	ward to de	termine their	value as	Jandmarks.	1,1701	(See reverse for responsible personnel)	ible personnel)
OPR PROJECT NO.		SURVEY NUMBER	DATUM	į					
	CM-7811	TP-00868 /	Z	NA 1927			METHOD AND DATE OF LOCATION	E OF LOCATION	
				POSITION	ĕ		(See instructions on reverse side)	on reverse side)	CHARTS
	DESCRIPTION	Z	LATI	LATITUDE	LONGITUDE	TUDE			AFFECTED
CHARTING	(Record reason for deletion of landmark or aid to nevigation. Show triangulation station names, where applicable, in parentheses)	k or aid to navigation. • applicable, in parentheses)	•	// D.M. Meters	, ,	// D.P. Meters	OFFICE	FIELD	-
DOME	(Wilmette, The Bahai Dome, 1956)	Bahai House of Worship	42 /	27.835	87 /	03.223	78 S(P) 8233 6/5/78	TRIANG REC 6/18/81	14926 14927 14905
DOME /	Observatory-Westerly	\	42 / 03	34.16 1	78	12,96 [~] 298	78 S(P) 8232 6/5/78	V-VIS 6/19/81	. = :
DOME	Observatory-Easterly	,	42 / 03	34,16 ² 8	87 /	12.26 ² 282	78 S(P) 8232 6/5/78	V-VIS 6/19/81	= = =
SPIRE	Northwestern University	£y <	42 /	21.78	87 /	31,83 ⁷	78 S(P) 8232 6/5/78	V-VIS 6/19/81	E E E
CLOCK TOWER			42 03	06.38 7	87 /	33.79	78 S(P) 8232 6/5/78	V-VIS 6/19/81	= = =
STACK			42 / 01	46.28-	87 / 42	46, 12	78 S(P) 8231 6/5/78	V-VIS 6/19/81	
TANK	(Evanston, Municipal		42 ,	47.042 8	87 / 42	16.220 373.5	78 S(P) 8231 ⁷ 6/5/78	TRIANG REC 6/19/81	1 1 1
TANK			42 / 01	14.36	42	29.82	78 S(P) 8231 6/5/78	V-VIS 6/19/81	
STACK			42 / 01	14.00 8	87 /	29.47 / 678	78 S(P) 8231 6/5/78	V-VIS 6/19/81	: : :
TANK	(Skokie, Fel. Pro. Inc.	c. Tank, 1977)	42 ~	59.266	87 /	51.582	78 S(P) 8231 6/5/78	TRIANG REC 6/19/81	== =
								1 30 6 a	

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s* ate 6-1 -75 -75	FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols F - Field F - Field C - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identi	OFFICE (DENTIFIED AND LOCATED OBJECTS I. OFFICE (DENTIFIED AND LOCATED OBJECTS Enter the number and date (including and year) of the photograph used identify and locate the bject. EXAMPLE: 75E(C)6042		FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	E-USITIONS DETERMINED AND/OR VERIFIED	OBJECTS INSPECTED FROM SEAWARD	TYPE OF ACTION	
ods.	NED OR VERIFIED data by symbols as follows: P - Photogrammetric Vis - Visually 5 - Field identified	AND LOCATED OBJECTS and date (including month, f the photograph used to ate the object.	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATIONS (Consult Photogrammetric Instructions No. 64,		C. Middleton B. Kravitz	R. Tibbetts	ZAMI	RESPONSIBLE PERSONNEL
Enter 'V+Vis.' and date. Enter 'V+Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSIT entirely, or in part, upon by photogrammetric methods.	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is angulation station is recovered Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75		THOD AND DATE OF LOCATION' Instructions No. 64,					SONNEL
VERIFIED VISUALLY ON PHOTOGRAPH Vis.' and date. V-Vis. 8-12-75 RIC FIELD POSITIONS are dependent in part, upon control established metric methods.	ION STATION RECOVERED Imark or aid which is also a tri- station is recovered, enter 'Triang. date of recovery. Friang. Rec. 3-12-75	mmetric field positions** require method of location or verification, field work and number of the photoed to locate or identify the object. P-8-V 8-12-75 74L(C)2982		REVIEWER REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE OFFICE ACTIVITY REPRESENTATIVE	X PHOTO FIELD PARTY HYDROGRAPHIC PARTY GEODETIC PARTY OTHER (Specify)	ORIGINATOR	

NOAA FORM 76-40 (8-74)

NOAA FORM 76-40 (8-74)			NAT	NATIONAL OCEA	INIC AND	S. DEPAKIA STMOSPHER	OCEANIC AND ATMOSPHERIC ADMINISTRATION	HYDROGRAPHIC PARTY	LIIVIII
Replaces C&GS Form 567	orm 567.	LAND	MARKS	LANDWARKS FOR CHARTS	RTS			GEODETIC PARTY	<u> </u>
X TO BE CHARTED	TED REPORTING UNIT	STATE		LOCALITY			DATE	COMPILATION ACTIVITY	1717
TO BE REVISED TO BE DELETED		Division Illinois		Chicago	Chicago Lake	Front	October 1981	QUALITY CONTROL & REVIEW GRP	REVIEW GRP.
The following objects	HAVE TO HAVE NO	been inspected from seaw	vard to det	termine their	· value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT NO.		SURVEY NUMBER DATUM	DATUM						
	CM-7811	TP-00868	NA 19	1927			METHOD AND DATE OF LOCATION	TE OF LOCATION	
				POSITION	NO		(See instructions on reverse side)	on reverse side)	CHARTS
	NOLFEIGORGE	N.	LATITUDE	JOE	LONGITUDE	TUDE			AFFECTED
CHARTING	(Record reason for defetion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	rk or aid to navigation.	/ 0	// D.M. Meters	, .	// D.P. Meters	OFFICE	FIELD	
RADIO / MAST	(Evanston, Radio Stat Mast, 1956)	Radio Station, WEAW-FM, 4	42 ~ 02	02.603 80.5	87 / 42	29.828 686.0	78 S(P) 8231 6/5/78	TRIANG REC 6/19/81	14926 14927 14905
,	*Field Editor Recommends Name Be Revised to Reflect the Actual Radio	ids Name Be ne Actual Radio							
	(Evanston, Broadcast Inc., Mast)	Communications	•						
								Page 3 of 4	

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FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey meth	EXAMPLE: F-2-6-L 8-12-75	A. Field positions requ	1 1	ation 5 -	e d. Vis	iat ED	XAMPLE:	Enter the number and date (including month, day, and year) of the photograph used to identify and locate the chiect.	OFFICE IDENTIFIED AND LOCATED OBJECTS		FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	COST FOR DETERMINED CHAPTER		OBJECTS INSPECTED FROM SECTIONS		TYPE OF ACTION	
OSITIONS are determined by field obser- based entirely upon ground survey methods.		require entry of method of	Planetable Sextant	Field identified Theodolite	- Visually	R VERIFIED by symbols as follows:		(including month, tograph used to	ATED OBJECTS	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION (Consult Photogrammetric Instructions No. 64,		B. Kravitz	C. Middleton	R. Tibbetts		ZAXM	RESPONSIBLE PERSONNEL
	**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control establishe	EXAMPLE: V-VIS. 8-12-75	+	_	Rec. with date of rec EXAMPLE: Triang. Rec.			entry of method of date of field work graph used to local	FIELD (Cont'd) B. Photogrammetric fi	OR ENTRIES UNDER METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64)			· .		-	Œ	PERSONNEL
ods.	IC FIELD POSITIONS are dependent in part, upon control established		VERIFIED VISUALLY ON PHOTOGRAPH Vis.' and date.		station is recovered, enter irlang. date of recovery. Triang. Rec.	also a	32	ed to locate or identify the object.	field positions** require		REVIEWER QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	GEODETIC PARTY OTHER (Specify)	THOTO FIELD PARTY HYDROGRAPHIC PARTY	ORIGINATOR	

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.

分 U.S.GPO:1975-0-865-080/1155

NOAA FORM 76-40	40		1	141401	S.U	DEPARTM	OCEANIC AND ATMOSPHEDIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
(8-74)	njar	LANC	OMARKS I	LANDWARKS FOR CHARTS	RTS			HYDROGRAPHIC PARTY GEODETIC PARTY	
Replaces C&GS Form 567	. I							PHOTO FIELD PARTY	. ⊥
TO BE CHARTED	TED REPORTING UNIT	STATE		LOCALITY			DATE	X COMPILATION ACTIVITY	<u></u>
TO BE REVISED		DIVISION Illinois	is	Chicago	Chicago Lake Front	ront	Uctober 1981	OUALITY CONTROL & REVIEW GRP.	LAREVIEW GRP.
The following objects	HAVE NOT		rward to de	termine the	ir value as	andmarks.		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER DATUM	DATUM			 			
	CM-7811	TP-00868 /	NA 1927	27			METHOD AND DATE OF LOCATION	E OF LOCATION	•
•••••				POSITION	NOI		(See instructions on reverse side)	on reverse side)	CHARTS
	DESCRIPTION	Z	LATITUDE	UDE	LONGITUDE	UDE			AFFECTED
CHARTING	Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in perentheses	k or aid to navigation. • applicable, in perentheses)	•	D.M. Meters	•	// D.P. Meters	OFFICE	FIELD	
S.T.CNAT.	-k			38.86	1	01.26~	78 S(P) 8233	F-V	14926
STATION	N.W.S. SIG STA		42 04	1199	87 41	29	8//5/9	10/61/0	14905
RADIO	*At Coast Guard Station		l	37.82	\	02.57	78 S(P) 8233	F-V	14926
MAST			42 04	1167	87 41	59	8//5/9	10/61/0	14905
	*Field editor indicates that	these fea-							
	tures are "Not of Landmark value" bec	au	อง		L				
	they were delineated on the map a	n the map as map							
	features.								
	I contod of Eugneton Hospital	enital (Field							
STACK	editor recommends deletion becaus	tion because	42 03.9		87 41.1		Not Vis	F-V 6/19/81	
		.l _							
					J.,				
									•
					1				
								Page 4 of 4	

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	RESPONSIBLE PERSONNEL	PERSONNEL	
TYPE OF ACTION	NAME	m	ORIGINATOR
		•	XX PHOTO FIELD PARTY
11			HYDROGRAPHIC PARTY
OBJECTS INSPECTED FROM SEAWARD	R. Tibbetts		GEODETIC PARTY
			OTHER (Specify)
	C. Middleton	7	FIELD ACTIVITY REPRESENTATIVE
	R. Kravitz		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL	- 1		REVIEWER
AND REVIEW GROUP AND FINAL REVIEW			GEORGENTATIVE ,
ACTIVITIES			TO TRANSPORT AT LANG.
	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF (Consult Photogrammetric Instructions No. 64,	METHOD AND DATE OF LOCATION' ric Instructions No. 64,	
OFFICE		,	
i. Office [Dentified AND LOCATED OBJECTS]	(including month.	B. Photogrammetric fie entry of method of	mmetric field positions** require method of location or verification.
day, and year) of the photograph used	tograph used to	date of field work	field work and number of the photo-
identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	bject.	graph used to locate EXAMPLE: P-8-V	graph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75
FIELD		/41(1)290	
EW POSITION DETERMI	R VERIFIED by symbols as follows:	When a landmark or aid which is	also a
	Y - Photogrammetric Vis - Visually	Rec.' with date of recovery.	station is recovered, enter irlang. date of recovery.
•	Field identified	8-12-75	•
6,1	Theodolite	1	
ı	Planetable	111. POSITION VERIFIED VIS	VERIFIED VISUALLY ON PHOTOGRAPH
00 I	Sextant	1	te.
		EXAMPLE: V-Vis.	
A. Field positions* require entry of location and date of field work.	field work.	8-12-75	
		**DUOTOGRAMMETRIC FIFID POSITIONS are dependent	SITIONS are dependent
8-12-75		entirely, or in part, up	in part, upon control established
*FIELD POSITIONS are determined by field obser-	ed by field obser-	by photogrammetric methods	ds.
vations based entirely upon ground survey methods.	ground survey methods.		

NOAA FORM 76-40 (8-74)

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

FORM C&GS-8352 (3-25-63)

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 Reviews.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
_			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
		· · · · · · · · · · · · · · · · · · ·	Full Part Before After Verification Review Inspection Signed Via Drawing No.
			E.H.D. and Africa W. W. W. W. D. Co. L. V.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
		,	E.II D., D.f. Afa. V. if D. i. I Ci. J.Vi.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
	-		Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
	·		Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Drawing No.
	.		