

TP-00870

TP-00870

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
<i>Map No.</i> TP-00870	<i>Edition No.</i> 1
<i>Job No.</i> CM-7811	
<i>Map Classification</i> FINAL, FIELD EDITED MAP	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> ILLINOIS - INDIANA	
<i>General Locality</i> CHICAGO LAKE FRONT	
<i>Locality</i> CHICAGO HARBOR	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 1978 TO 1981 </div>	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. 00870 MAP EDITION NO. (1) MAP CLASS Final JOB PH CM-7811	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED			
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division AMC, Norfolk, VA				JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
OFFICER-IN-CHARGE Max Ethridge, LCDR							
I. INSTRUCTIONS DATED							
1. OFFICE Aerotriangulation - January 24, 1980 Compilation - May 27, 1980				2. FIELD Horizontal Control - June 12, 1978 Field Edit - June 26, 1981			
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify) International Great Lakes Datum, (1955) Lake Michigan Low Water Datum			
3. MAP PROJECTION Transverse Mercator				4. GRID(S) STATE Illinois ZONE E			
5. SCALE 1:10,000				STATE ZONE			
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION METHOD: Analytic LANDMARKS AND AIDS BY				R. Kelly		April 1980	
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp PLOTTED BY CHECKED BY				R. Kelly R. Cauthorne		April 1980 April 1980	
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:10,000 PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY				R. Kravitz F. Mauldin NA NA		August 1980 August 1980	
4. MANUSCRIPT DELINEATION METHOD: Smooth drafted SCALE: 1:10,000 PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY				R. Kravitz F. Mauldin NA NA R. Kravitz F. Mauldin		Oct. 1980 Nov. 1980	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. Mauldin		Nov. 1980	
6. APPLICATION OF FIELD EDIT DATA CHECKED BY				P. L. Evans, Jr. E. Margiotta		Dec. 1981 July 1982	
7. COMPILATION SECTION REVIEW BY				E. Margiotta		July 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		Apr. 1983	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				(Signed)		6/4/83	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00870
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C.-8 "S" (S = 152.29 mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES NA <input type="checkbox"/> REFERENCE STATION RECORDS NA <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY NA		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Central MERIDIAN 90th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
78 S(P) 8224-8226 ✓	June 5, 1978	14:24 ✓	1:30,000	NA	
78 S(P) 8213-8216 ✓	June 5, 1978	14:09 ✓		(See below)	

REMARKS The lake level at time of photography was 579.05 feet or 2.25 feet above the International Great Lakes Datum. Water levels were taken at the Calumet Harbor gage on June 5, 1978.

2. SOURCE OF MEAN HIGH-WATER LINE:

The term Mean High-Water Line is not applicable. The "shoreline" was delineated from the above listed photographs, and is defined as the visible line of contact on the photographs between land & water.

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

Not applicable

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

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

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00869 ✓	No Survey	TP-00871 ✓	No Survey

REMARKS

NOAA FORM 76-36C
(3-72)

TP-00870

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

HISTORY OF FIELD OPERATIONS

1. ☒ FIELD INSPECTION OPERATION (Hor. Control) ☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	L. Davis	July 1979
2. HORIZONTAL CONTROL	RECOVERED BY L. Davis	July 1979
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY L. Davis	July 1979
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
78 Y(P)4298	021, COC, 1977 (Sub Pts. A & B)		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

1-form 76-53. (CSI)

TP-00870

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	P. B. Walbolt	Aug. 1981
2. HORIZONTAL CONTROL	RECOVERED BY N. Wike & P. B. Walbolt	Aug. 1981
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY P. B. Walbolt	Aug. 1981
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY P. B. Walbolt	Aug. 1981
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY BY <input type="checkbox"/> NO INVESTIGATION	
	P. B. Walbolt	Oct. 1981
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY N. Wike & P. B. Walbolt	Aug. 1981
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

78S(P) 8213, 8214, 8215, 8224 (1:10,000 scale ratios)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
78S(P) 8213	Burnham Park Harbor Light		
8224	Chicago Harbor, South Breakwater, North End Light 1		
8224	Chicago Harbor, Filtration Plant, Light A		
8224	Chicago Harbor, Filtration Plant, (1:10,000 scale) Light B		

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

10 Forms 76-40

1 Field Edit Report (including Special Geo Names)

1 Film Master Field Edit print

TP-00870
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Nov. 1980	Class III manuscript Superseded	None	None
Field edit applied Compilation complete	July 1981	Class I manuscript	None	None
Final Review	Aug. 1982	Final Map	Jan 7, 1983	None

II. LANDMARKS AND AIDS TO NAVIGATION			
1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH			
NUMBER (pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
7		Jan 7, 1983	Landmarks for charts
2		"	Aids for charts

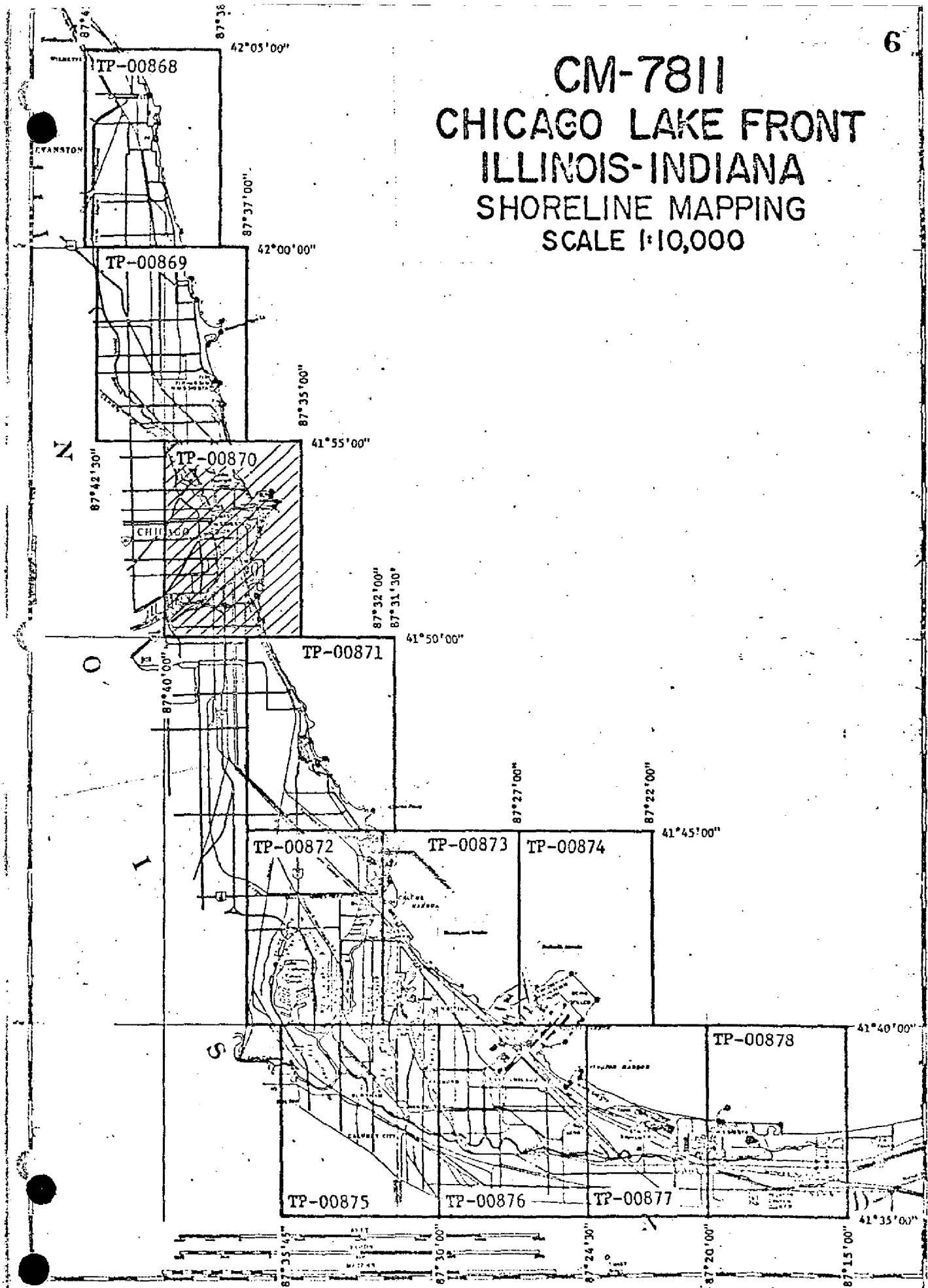
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____

3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA	
1. <input checked="" type="checkbox"/> BRIDGING PHOTOGRAPHS; <input checked="" type="checkbox"/> DUPLICATE BRIDGING REPORT; <input checked="" type="checkbox"/> COMPUTER READOUTS. 2. <input checked="" type="checkbox"/> CONTROL STATION IDENTIFICATION CARDS; <input checked="" type="checkbox"/> FORM NOS. 562 SUBMITTED BY FIELD PARTIES. (76-40) 3. <input checked="" type="checkbox"/> SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS: _____	4. <input type="checkbox"/> DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: <u>SEPTEMBER 1983</u>

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)				
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	

CM-7811
CHICAGO LAKE FRONT
ILLINOIS-INDIANA
SHORELINE MAPPING
SCALE 1:10,000



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00870

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 Chicago Harbor and a portion of the Illinois shoreline along the west side of Lake Michigan from Lat. 41°50.0' to Lat. 41°55.0'. Delineation also includes the industrial waterway formed by the Chicago River and its branches.

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 November 1980. Copies of the Class III map were submitted for field edit.

Field edit was performed in August 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 July 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-00870

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 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.

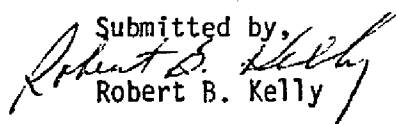
24. Supplemental Data

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

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,


Robert B. Kelly

Approved and Forwarded:



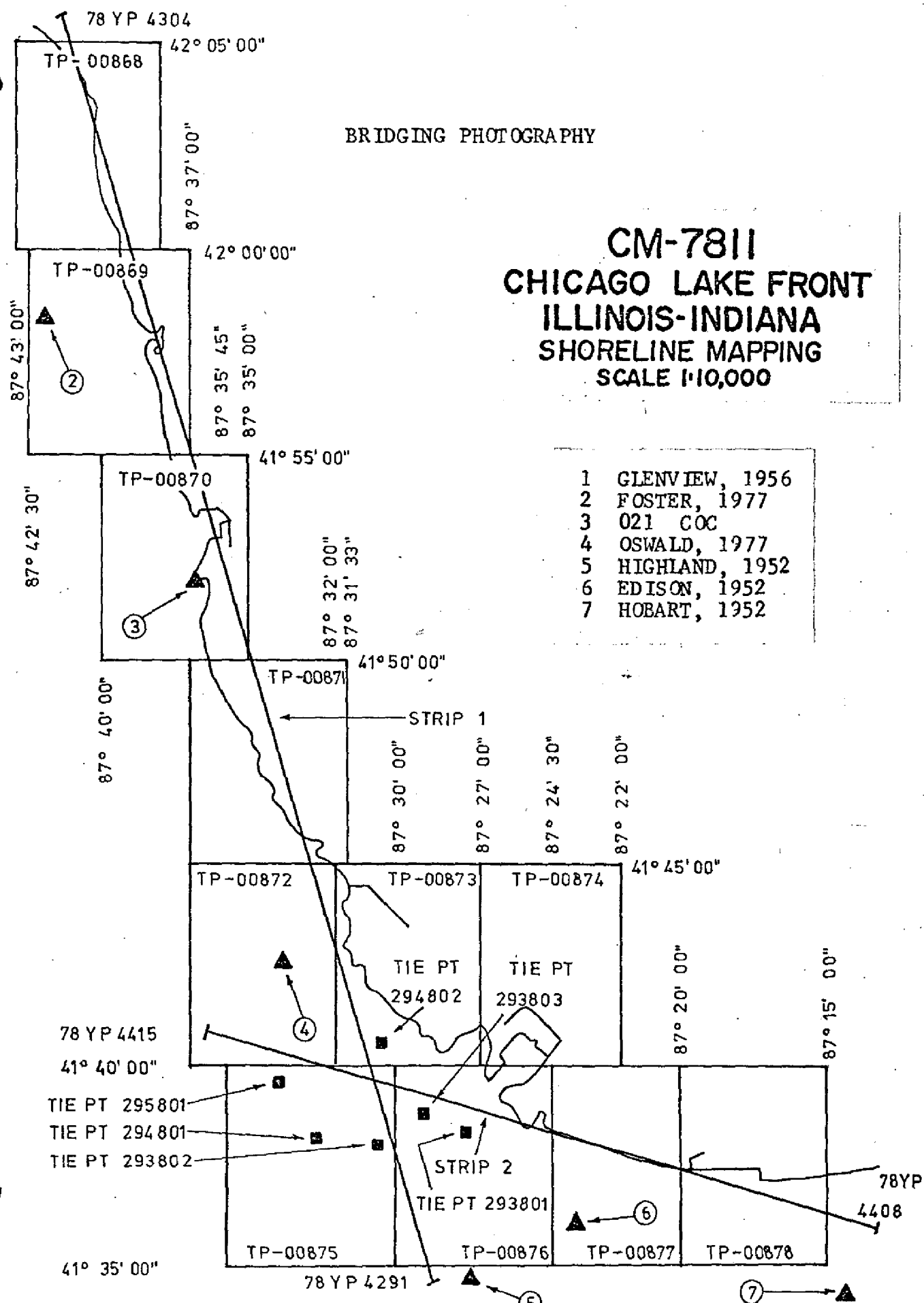
Don O. Norman

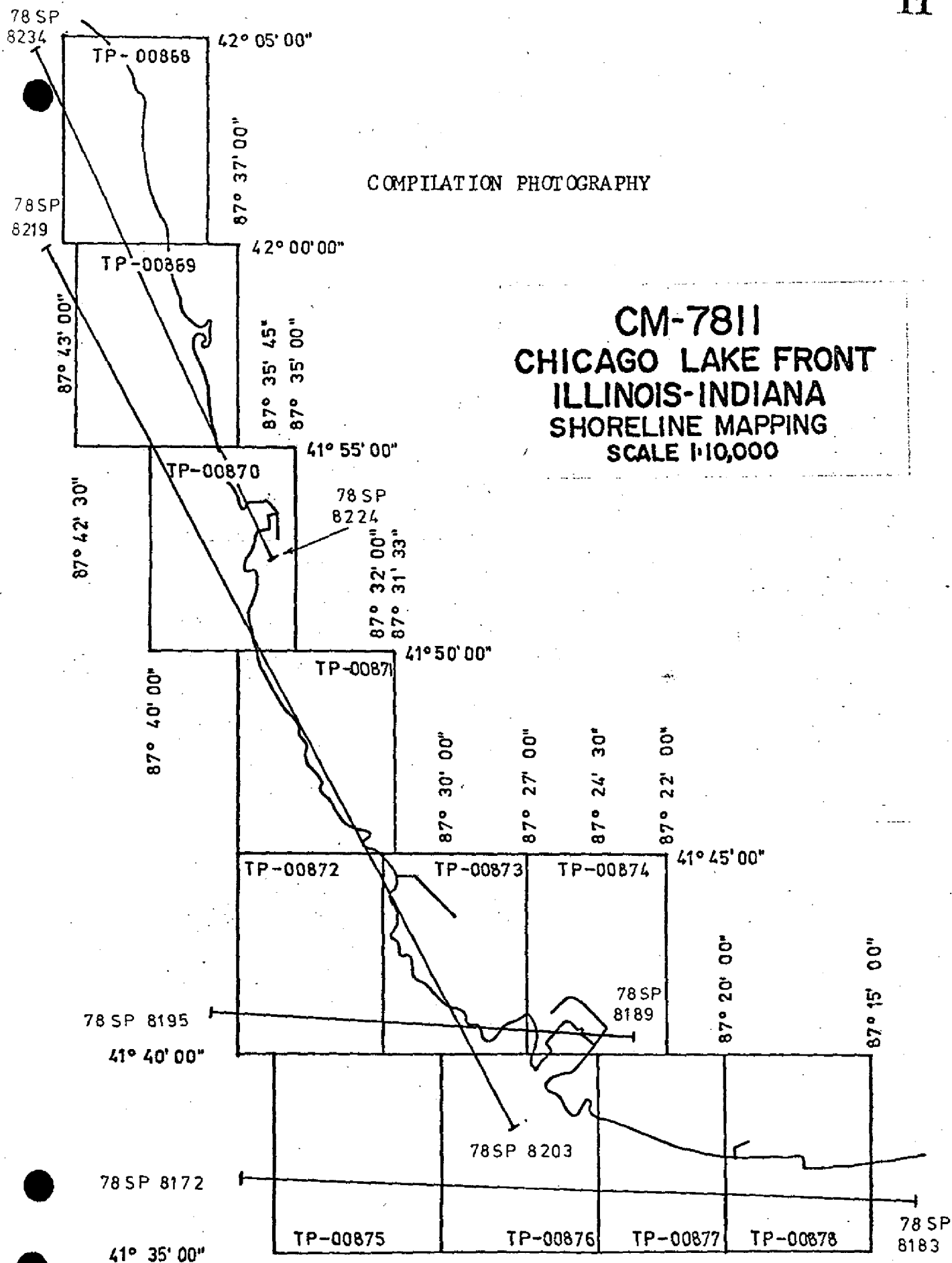
Chief, Aerotriangulation Section

BRIDGING PHOTOGRAPHY

CM-7811
CHICAGO LAKE FRONT
ILLINOIS-INDIANA
SHORELINE MAPPING
SCALE 1:10,000

- 1 GLENVIEW, 1956
- 2 FOSTER, 1977
- 3 021 COC
- 4 OSWALD, 1977
- 5 HIGHLAND, 1952
- 6 EDISON, 1952
- 7 HOBART, 1952





CLOSURES TO CONTROL

STRIP 1

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

STRIP 2

415102	OSWALD, 1977	SUB PT B	0.9	,	0.2
295801	TIE POINT		2.5	,	-0.1
294801	" "		-1.5	,	-0.7
294802	" "		0.3	,	2.8
293802	" "		-0.2	,	-1.1
293803	" "		-0.9	,	-0.8
293801	" "		3.9	,	1.5
411101	EDISON, 1972	SUB PT A	-2.4	,	2.5
411102	" "	" " B	-1.9	,	-3.3
409101	HOBART, 1972	SUB PT A	-1.7	,	0.9
409102	" "	" " B	-5.6	,	0.1

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY		
TP-00870	CM-7811	NA 1927	Coastal Mapping Division AMC Norfolk, VA		
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE Illinois ZONE East	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
B.M. ARP, 1977	G-16005 TSN-483		X= Y=	φ 41°51'31.945" - λ 87°36'30.341" -	
035 COC, 1977	G-16005 -482		X= Y=	φ 41°50'18.887" - λ 87°36'48.981" -	
CHICAGO, RED LIGHT ATOP MEADOWS, 1977	G-16005 -177		X= Y=	φ 41°50'12.274" - λ 87°36'51.284" -	
021 COC, 1977			X= 697,440.55 - Y= 1,894,664.74 -	φ 41°51'58.657" - λ 87°36'30.551" -	
CHICAGO, ST. JAMES CHURCH SPIRE, 1977	G-16005 -108		X= Y=	φ 41°50'27.288" - λ 87°37'31.270" -	
CHICAGO, FIRST TRINITY CHURCH SPIRE, 1977	G-16005 -109		X= Y=	φ 41°50'16.542" - λ 87°38'34.080" -	
CHICAGO, ST. FRANCIS CHURCH SPIRE, 1977	G-16005 -94		X= Y=	φ 41°52'00.923" - λ 87°38'51.490" -	
CHICAGO, SAINT JOHNS CHURCH CUPOLA, 1977	G-16005 -81		X= Y=	φ 41°53'48.124" - λ 87°39'11.667" -	
			X= Y=	φ λ	
			X= Y=	φ λ	
			X= Y=	φ λ	
COMPUTED BY A. Rauck, Jr.		DATE 5/12/80	COMPUTATION CHECKED BY F. Margiotta	DATE 5/13/80	
LISTED BY A. Rauck, Jr.		DATE 5/12/80	LISTING CHECKED BY F. Margiotta	DATE May 12, 1980	
HAND PLOTTING BY L. Williams		DATE 5/27/80	HAND PLOTTING CHECKED BY I. Perkinson	DATE May 27, 1980	

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	GEODETIC DATUM		GEOGRAPHIC POSITION		REMARKS
					NA 1927	COORDINATES IN FEET	STATE	ILLINOIS	
TP-00870	CHICAGO, ST. MICHAELS NORTH CHURCH SPIRE, 1977	CM-7811	G-16005 TSN-71		X=	φ 41°54'45.599"			
					Y=	λ 87°38'25.946"			
	CHICAGO, HANCOCK CENTER - EAST T.V. TOWER, 1977		G-16005 -79		X=	φ 41°53'55.619"			
					Y=	λ 87°37'22.243"			
	O2O COC, 1977		G-16005 -345		X=	φ 41°53'30.566"			
					Y=	λ 87°35'55.161"			
	CHICAGO HARBOR LIGHT, 1977		G-16005 -168	74	X=	φ 41°53'21.547"			
					Y=	λ 87°35'25.788"			
	SHOT TOWER, (USLS), 1874		410874 1047		X=	φ 41°53'11.285"			
					Y=	λ 87°38'29.554"			
	CHICAGO, SEARS EAST T.V. TOWER, 1977		G-16005 -163	78	X=	φ 41°52'43.847"			
					Y=	λ 87°38'08.897"			
					X=	φ			
					Y=	λ			
					X=	φ			
					Y=	λ			
					X=	φ			
					Y=	λ			
					X=	φ			
					Y=	λ			
COMPUTED BY	A. Rauck, Jr.			DATE	5/12/80	COMPUTATION CHECKED BY	F. Margiotta	DATE	5/13/80
LISTED BY	A. Rauck, Jr.			DATE	5/2/80	LISTING CHECKED BY	F. Margiotta	DATE	5/12/80
HAND PLOTTING BY	L. Williams			DATE	5/23/80	HAND PLOTTING CHECKED BY	D. Butler	DATE	5/23/80

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00870	JOB NO. CM-7811	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM NA 1927		ORIGINATING ACTIVITY Coastal Mapping Division AMC, Norfolk, VA		REMARKS
				STATE Illinois	ZONE East	φ LATITUDE	λ LONGITUDE	
CHICAGO, BOARD OF TRADE - BUILDING, STATUE, 1956	410874 1086			X=		φ 41°52'39.352" -		
				Y=		λ 87°37'55.962" -		
CHICAGO, MICROWAVE RELAY - STATION KSC 22, TOWER, 1956	410874 1097			X=		φ 41°52'46.971" -		
				Y=		λ 87°37'28.933" -		
CHICAGO, MORRISON HOTEL, RADIO MAST, 1956	410874 1098			X=		φ 41°52'53.436" -		
				Y=		λ 87°37'50.059" -		
CHICAGO, PALMOLIVE BUILDING, LANDMARK BEACON, 1956	410874 1100			X=		φ 41°53'59.091" -		
				Y=		λ 87°37'24.558" -		
CHICAGO, PURE OIL COMPANY - BUILDING, DOME 1956	410874 1103			X=		φ 41°53'11.344" -		
				Y=		λ 87°37'36.237" -		
CHICAGO, RADIO STATION KSA - 675, MAST, 1956	410874 1105			X=		φ 41°51'04.727" -		
				Y=		λ 87°39'29.974" -		
CHICAGO, RADIO STATION - WBEZ, MAST, 1956	410874 1108			X=		φ 41°52'44.653" -		
				Y=		λ 87°37'51.926" -		
CHICAGO, RADIO STATION - WFJL, MAST, 1956	410874 1110		18	X=		φ 41°53'15.287" -		
				Y=		λ 87°37'31.483" -		
				X=		φ		
				Y=		λ		
				X=		φ		
				Y=		λ		
COMPUTED BY A. Rauck, Jr.			DATE 5/12/80	COMPUTATION CHECKED BY F. Margiotta		DATE 5/13/80		
LISTED BY A. Rauck, Jr.			DATE 5/6/80	LISTING CHECKED BY F. Margiotta		DATE 5/12/80		
HAND PLOTTING BY L. Williams			DATE 5/23/80	HAND PLOTTING CHECKED BY F. Mauldin		DATE 5/23/80		

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00870	STATION NAME	JOB NO. CM-7811	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM		ORIGINATING ACTIVITY		REMARKS
				NA 1927	COORDINATES IN FEET STATE Illinois ZONE East	Geographic Position φ LATITUDE λ LONGITUDE	Coastal Mapping Division AMC, Norfolk, VA	
CHICAGO, RADIO STATION - WFMF, MAST, 1956	410874 1111			x=	φ 41°53'11.640"	-		
				y=	λ 87°37'29.362"	-		
CHICAGO, RADIO STATION - WFMF-FM, MAST, 1956	410874 1112			x=	φ 41°53'11.399"	-		
				y=	λ 87°37'54.994"	-		
CHICAGO, RADIO STATION - WSEL, MAST, 1956	410874 1117			x=	φ 41°53'04.728"	-		
				y=	λ 87°38'00.782"	-		
CHICAGO, T.V. STATION - WGN, NEW MAST, 1956	410874 1126			x=	φ 41°53'05.459"	-		
				y=	λ 87°37'22.621"	-		
CHICAGO, T.V. STATION - WNBQ, MAST, 1956	410874 1128			x=	φ 41°52'57.570"	-		
				y=	λ 87°38'14.129"	-		
CHICAGO, T.V. STATION - WTTV, MAST, 1956	410874 1129			x=	φ 41°52'47.026"	-		
				y=	λ 87°37'53.409"	-		
News, 1956	G16005 GNUM16206			x=	φ 41°52'56.566"	-		
				y=	λ 87°38'21.881"	-		
014 COC, 1977	G16005 GNUM16206			x=	φ 41°54'48.071"	-		
				y=	λ 87°37'57.406"	-		
MEIGS FIELD AP STA A, 1959	410874 1209			x=	φ 41°51'12.531"	-		
				y=	λ 87°36'25.783"	-		
MEIGS FIELD AP STA B, 1959	410874 1208			x=	φ 41°51'50.988"	-		
				y=	λ 87°36'28.651"	-		
COMPUTED BY A. Rauck, Jr.				DATE 5/12/80	COMPUTATION CHECKED BY F. Margiotta		DATE 5/13/80	
LISTED BY A. Rauck, Jr.				DATE 5/17/80	LISTING CHECKED BY F. Margiotta		DATE 5/12/80	
HAND PLOTTING BY L. Williams				DATE 5/23/80	HAND PLOTTING CHECKED BY L. Perkinson		DATE 5/23/80	

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

TP-00870

31. DELINEATION

Delineation was by instrument methods using the Wild B-8 stereo-plotter 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 2 pages of Navigational Aids and 7 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-00870

40. HORIZONTAL AND VERTICAL ACCURACY

See Item #32.

46. COMPARISON WITH EXISTING MAPS

Jackson Park, Illinois-Indiana 1963, photorevised 1972, scale 1:24,000
Englewood, Illinois 1963, photorevised 1972, scale 1:24,000
Chicago Loop Illinois 1963, photorevised 1972, scale 1:24,000

47. COMPARISON WITH NAUTICAL CHARTS

No. 14926 scales 1:10,000 and 1:15,000 dated July 24, 1976,
3rd Edition
No. 14928 scale 1:15,000 dated September 9, 1978, 16th Edition
No. 14927 scale 1:60,000 dated May 5, 1979, 17th Edition

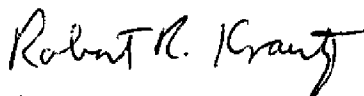
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:



Robert R. Kravitz
Cartographic Technician

Date: October 23, 1980

Approved:



Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00870

FIELD EDIT

The field editor reported two new lights under construction in the vicinity of Chicago Harbor Outer Breakwater Northwest End Light. These new lights are assumed to be those now listed in the 1981 Light List as numbers 2211.10 and 2211.20. These lights were not located.

FIELD EDIT REPORT
 TP--00870. CHICAGO HARBOR
 CM-7811 CHICAGO LAKE FRONT
 ILLINOIS - INDIANA

51. METHODS

This Map was edited from boat, by walking the shoreline, and from truck. All questions have been investigated thoroughly, and are answered on the Map. Several charted submerged cables and pipelines could not be found, even though every effort was extended to locate them.

Forty-two (42) recovery notes are submitted herein.

52. ADEQUACY OF COMPILATION

This compilation seems good, and will be both complete and adequate with the application of this Edit.

54. RECOMMENDATIONS

That many of the Landmarks be removed from the Charts, as in section 57 below.

56. GEOGRAPHIC NAMES

There is one question of the name OUTER HARBOR on this Map, and it will be resolved and submitted at a later date.

57. LANDMARKS AND AIDS

All Landmarks were inspected from seaward. Thirty-two Landmarks are recommended for Deletion on Form 76-40. They are either destroyed, or of no significant value to the Nautical Charts, and their presence thereon serves only to clutter the Charts, and to confuse the boatman. This is in accordance with the "Special Note for the Field Editor Regarding Landmarks" attached to the Field Edit Map.

Four Markers are shown on the Standard Oil Building (Lat 41-53.1, Long 87-37.3). These markers do not show well from seaward; however, the building itself is a prominent essential landmark, is already compiled, and should be listed as a landmark. This is shown on form 76-40.

One (1) Light (2203.90) is to be charted. It is listed in the 1981 Light List, is shown on Photo 8224, and on Form 76-40.

58. FIELD EDITOR

Field Edit was by P. B. Walbolt

26 August 1981

Submitted by:

Philip B. Walbolt

Philip B. Walbolt

Chief, Photo Party 63

SPECIAL GEOGRAPHIC NAMES REPORT
CM-7811; CHICAGO LAKE FRONT
ILLINOIS - INDIANA

SOUTH LAGOON (R) (name appears on Map TP-00869)

This name was questioned on the preliminary names sheet. Everyone contacted knew the name, and said that it is established in local usage. SOUTH LAGOON is navigable to canoes and rowboats only, as it is very shallow, and there is a bridge with very low vertical clearance guarding its entrance.

THE PLAYPEN (R) (name is on Map TP-00870)
OUTER HARBOR

This area appears on the Quadrangle as Outer Harbor; however, no one could be found who either used or knew this name. This Party inquired at the Chicago Yacht Club, and was directed by several people to contact Mr. Ed Mooney, who is Race Committee Chairman for the Chicago Yacht Club, and whom they considered to be most knowledgeable of the area. Mr. Mooney told me this area is called THE PLAYPEN, as many boatmen take their boats to this protected area inside the outer breakwater, anchor, and hold a party.

Mr. Mooney then asked us to contact Mr. Jack Manley, who runs a harbor tender service that tows craft to their destination within the harbor. Mr. Manley verified the information about THE PLAYPEN, as suggested that we contact the Chicago Park District Marine Division, which is headed by Mr. Tom Corcorn. We were unable to reach Mr. Corcorn, but were able to talk with Mr. Fred Allen, of the Park District Marine Division. Mr. Allen verified that the name THE PLAYPEN was used for the area in question.

The above persons also verified SOUTH LAGOON (above).

30 October 1981

Submitted by:

Philip B. Walbolt

Philip B. Walbolt
Chief, Photo Party 63

REVIEW REPORT TP-00870

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 the following 1:24,000 scale U.S.G.S. quadrangles:

Chicago Loop, Illinois, 1963, photorevised 1972
Jackson Park, Illinois-Indiana, photorevised 1972
Englewood, Illinois, 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 and 1:15,000 scale, dated July 24, 1976
14928, 16th edition, 1:15,000 scale, dated September 9, 1978
14927, 17th edition, 1:60,000 scale, dated May 5, 1979

The field editor was specifically instructed to determine the nautical value of the numerous charted landmarks concurrent with this map. The basic seaward inspection along with a logical evaluation was conducted in order to minimize the number of ineffective "landmarks" and to portray only those that serve as prominent features beneficial to mariners. Consequently, 22 charted "Markers" shown as lights atop buildings and 8 charted "Landmarks" were recommended for deletion.

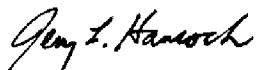
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

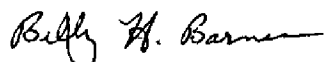
REVIEW REPORT TP-00870

SHORELINE

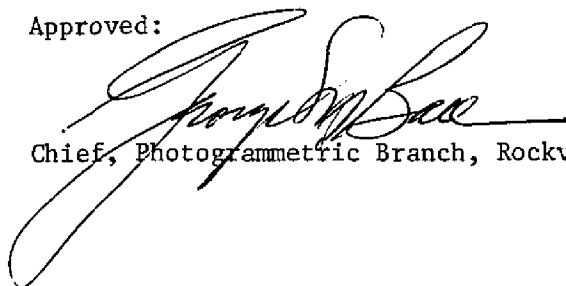
Submitted by:

Jerry L. Hancock
Final Reviewer

Approved for forwarding:

Billy H. Barnes
Chief, Photogrammetric Branch, AMC

Approved:



Chief, Photogrammetric Branch, Rockville



Chief, Photogrammetry Division

August 13, 1982

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7811 (Chicago Lakefront, Illinois-Indiana)

TP-00870

Baltimore and Ohio (RR)
Burlington Northern (RR)
Burnham Park Harbor
Chicago
Chicago and North Western (RR)
Chicago Harbor
Chicago Loop
Chicago Milwaukee St. Paul and Pacific (RR)
Chicago River
Chicago Rock Island and Pacific (RR)
Conrail (RR)
Grant Park
Illinois Central Gulf (RR)
Lake Michigan
North Branch
North Branch Canal
Northerly Island
Ogden Slip
Rapid Transit (RR)
South Branch
South Fork
South Lagoon
South Pond

Approved by:

Charles E. Harrington
Charles E. Harrington
Chief Geographer 08/03/82

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 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION FOR CHARTS				ORIGINATING ACTIVITY				
REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE		<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)				
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		AMC, Norfolk, VA		Illinois		Chicago Lake Front		June 1981				
The following objects HAVE <input checked="" type="checkbox"/> HAVE NOT <input type="checkbox"/> been inspected from seaward to determine their value as landmarks.		JOB NUMBER		SURVEY NUMBER		DATUM		METHOD AND DATE OF LOCATION (See instructions on reverse side)				
OPR PROJECT NO.		CM-7811		TP-00870		NA 1927						
CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)	LATITUDE		LONGITUDE		POSITION		OFFICE		FIELD		CHARTS AFFECTED
		° /	'	° /	'	D.M. Meters	D.P. Meters					
LIGHT	Chicago Harbor, South Breakwater Northend Light 1	41 52	29.33	87 36	36.43		840			P-5-L 6/25/81 78 S(P) 8224		14926, 14927 14928 14905
LIGHT	North Avenue Jetty Light	41 54	52.41	87 37	12.67		292			V-VIS 6/25/81		"
LIGHT	Chicago Harbor Outer Breakwater Northwest End Light (New light under construction)	41 54	10.60	87 36	27.03		623			V-VIS 6/25/81		"
LIGHT	Chicago Harbor Filtration Plant Light A	41 53	46.64	87 36	08.59		198			P-5-L 6/25/81 78 S(P) 8224		"
LIGHT	Chicago Harbor Filtration Plant Light B	41 53	35.78	87 36	07.98		184			P-5-L 6/25/81 78 S(P) 8224		"
LIGHT	Chicago Harbor Navy Pier No. 2 Light	41 53	29.14	87 35	54.65		1260			V-VIS 6/25/81		"
LIGHT	Chicago Harbor Municipal Pier No. 1 Light	41 53	23.30	87 35	58.87		1357			V-VIS 6/25/81		"
LIGHT	Chicago Harbor Southeast Guide Wall Light	41 53	17.76	87 36	09.11		210			V-VIS 6/25/81		"
LIGHT	Chicago Harbor Breakwater South Light	41 52	36.95	87 36	36.30		837			V-VIS 6/25/81		"
LIGHT	Chicago Harbor Entrance South Side Light	41 53	14.85	87 35	25.85		596			V-VIS 6/25/81		"

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	P. B. Walbolt
POSITIONS DETERMINED AND/OR VERIFIED	P. B. Walbolt
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	R. R. Kravitz
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				FOR CHARTS				ORIGINATING ACTIVITY			
REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED		ORIGINATING ACTIVITY			
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		Coastal Mapping Div. AMC, Norfolk, VA		Illinois		Chicago Lake Front		June 1981				<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)			
The following objects HAVE <input checked="" type="checkbox"/> HAVE NOT <input type="checkbox"/> been inspected from seaward to determine their value as landmarks.				DATUM											
OPR PROJECT NO.		JOB NUMBER		SURVEY NUMBER		NA 1927									
CM-7811		TP-00870													
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)		LATITUDE		LONGITUDE		OFFICE		FIELD		CHARTS AFFECTED			
				° / ' " D.M. Meters		° / ' " D.P. Meters									
LIGHT	Chicago Harbor Outer Breakwater - South End Light	41 52	48.59	87 35	25.85	596		78 S(P) 8224 6/5/78	V-VIS 6/18/81		14926 14927 14928 14905				
LIGHT	(Chicago Harbor Light, 1977)	41 53	21.547	87 35	25.788	594.8		78 S(P) 8224 6/5/78	TRIANG REC 6/25/81		"				
AERO		41 51	33.58	87 36	36.16	834		78 S(P) 8213 6/5/78	V-VIS 6/18/81		"				
LIGHT	Burnham Park Harbor Light	41 51	06.48	87 36	35.51	819			P-5-L 6/18/81 78 S(P) 8213		"				
LIGHT	Thirty-first Street Jetty Light	41 50	21.72	87 36	15.56	359		78 S(P) 8213 6/5/78	V-VIS 6/18/81		"				

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	P. B. Walbolt
POSITIONS DETERMINED AND/OR VERIFIED	P. B. Walbolt
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	R. R. Kravitz
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION LANDMARKS FOR CHARTS										ORIGINATING ACTIVITY			
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		REPORTING UNIT (If field party, ship or office) Coastal Mapping Div. AMC, Norfolk, VA		STATE Illinois		LOCALITY Chicago Lake Front		DATE June 1981		<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)				METHOD AND DATE OF LOCATION (See instructions on reverse side)				CHARTS AFFECTED					
The following objects HAVE <input checked="" type="checkbox"/> BEEN INSPECTED from seaward to determine their value as landmarks.																							
OPR PROJECT NO.		JOB NUMBER CM-7811		SURVEY NUMBER TP-00870		DATUM NA 1927		POSITION		OFFICE		FIELD											
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station name, where applicable, in parentheses.)		LATITUDE ° / ' / " D.M. Meters		LONGITUDE ° / ' / " D.P. Meters																	
STACK		Northerly of two		41 50	58.63	87 39	10.97			78 S(P) 8213 6/5/78	V-VIS 6/23/81		14926 14927 14928 14905										
STACK		Southerly of two		41 50	58.08	87 39	10.97			78 S(P) 8213 6/5/78	V-VIS 6/23/81		"										
RADIO TOWER		(Chicago, Radio Station KSA 675 Mast, 1956)		41 51	04.727	87 39	29.974			78 S(P) 8213 6/5/78	TRIANG REC 6/23/81		"										
TV TOWER		(Chicago, Hancock Center - East T.V. Tower, 1977)		41 53	55.619	87 37	22.243			78 S(P) 8226 6/5/78	TRIANG REC 6/24/81		"										
TV TOWER		West T.V. Tower at Chicago Hancock Center		41 53	55.62	87 37	23.73			78 S(P) 8226 6/5/78	V-VIS 6/24/81		"										
TOWER		Lake Point Tower		41 53	29.17	87 36	44.11			78 S(P) 8225 6/5/78	V-VIS 6/26/81		"										
TOWER				41 53	31.24	87 35	58.73			78 S(P) 8225 6/5/78	V-VIS 6/25/81		"										
TOWER				41 53	29.69	87 35	58.61			78 S(P) 8225 6/5/78	V-VIS 6/25/81		"										
TV MAST		(Chicago, T.V. Station WGN, New Mast, 1956)		41 53	05.459	87 37	22.621			78 S(P) 8215 6/5/78	TRIANG REC 6/24/81		"										
FOUNTAIN				41 52	32.74	87 37	08.15			78 S(P) 8214 6/5/78	V-VIS 6/25/81		"										

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	P. B. Walbolt
POSITIONS DETERMINED AND/OR VERIFIED	P. B. Walbolt
	R. R. Kravitz
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
LANDMARKS FOR CHARTS										ORIGINATING ACTIVITY									
REPORTING UNIT (If field party, ship or office) Coastal Mapping Div. AMC, Norfolk, VA										<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)									
STATE Illinois										LOCALITY Chicago Lake Front									
DATE June 1981																			
CHARTING NAME										METHOD AND DATE OF LOCATION (See instructions on reverse side)									
DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)										CHARTS AFFECTED									
CHARTING NAME										CHARTS AFFECTED									
STACK										41 53	11.34	87 38	27.89	643	78 S(P) 8215	V-VIS	6/23/81	14926 14927 14928 14909	
TOWER										41 53	17.08	87 37	44.46	1025	78 S(P) 8215	V-VIS	6/24/81	"	
TOWER										41 53	16.43	87 37	45.33	1045	78 S(P) 8215	V-VIS	6/24/81	"	
CLOCK TOWER										41 53	22.04	87 37	29.15	672	78 S(P) 8214	V-VIS	6/24/81	"	
TV MAST										41 52	43.847	87 38	08.897	205.4	78 S(P) 8214	TRIANG REC	6/24/81	"	
TV MAST										41 52	43.92	87 38	10.15	234	78 S(P) 8214	V-VIS	6/24/81	"	
TOWER										41 52	39.352	87 37	55.962		78 S(P) 8215	TRIANG REC	6/24/81	"	
STACK										41 52	06.81	87 38	07.24	167	78 S(P) 8213	V-VIS	6/24/81	"	
STACK										41 52	06.81	87 38	07.94	183	78 S(P) 8213	V-VIS	6/24/81	"	
STACK										41 51	02.95	87 39	11.83	273	78 S(P) 8213	V-VIS	6/23/81	"	

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	P. B. Walbolt
POSITIONS DETERMINED AND/OR VERIFIED	P. B. Walbolt
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	R. R. Kravitz
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field Identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				LANDMARKS FOR CHARTS				ORIGINATING ACTIVITY			
REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED		ORIGINATING ACTIVITY			
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		Coastal Mapping Div. AMC, Norfolk, VA		Illinois		Chicago Lake Front		June 1981				<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)			
The following objects HAVE <input checked="" type="checkbox"/> BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.		JOB NUMBER CM-7811		SURVEY NUMBER TP-00870		DATUM NA 1927									
CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)	LATITUDE		LONGITUDE		POSITION		OFFICE	FIELD	CHARTS AFFECTED					
		° / ' "	D.M. Meters	° / ' "	D.P. Meters										
STACK		41 54	40.58	87 39	28.72			78 S(P) 8216 6/5/78	V-VIS 6/23/81	14926 14927 14928 14905					
SPIRE		41 54	21.78	87 39	44.69			78 S(P) 8216 6/5/78	V-VIS 6/23/81	"					
SPIRE	Northerly of two	41 54	08.75	87 39	45.85			78 S(P) 8216 6/5/78	V-VIS 6/23/81	"					
SPIRE	Southerly of two	41 54	07.88	87 39	45.85			78 S(P) 8216 6/5/78	V-VIS 6/23/81	"					
STACK		41 54	07.26	87 38	59.91			78 S(P) 8216 6/5/78	V-VIS 6/23/81	"					
STACK		41 53	58.44	87 39	10.24			78 S(P) 8216 6/5/78	V-VIS 6/23/81	"					
TANK	Northerly of two	41 53	57.43	87 38	41.29			78 S(P) 8216 6/5/78	V-VIS 6/23/81	"					
TANK	Southerly of two	41 53	54.91	87 38	39.17			78 S(P) 8216 6/5/78	V-VIS 6/23/81	"					
SPIRE	(Chicago St. John's Church Cupola, 1977)	41 53	48.124	87 39	11.667			78 S(P) 8216 6/5/78	TRIANG REC 6/23/81	"					

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	P. B. Walbolt
POSITIONS DETERMINED AND/OR VERIFIED	P. B. Walbolt
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	R. R. Kravitz
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION										
LANDMARKS FOR CHARTS										
NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.		REPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Div. AMC, Norfolk, VA		STATE	LOCALITY	DATE	ORIGINATING ACTIVITY			
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED				Illinois	Chicago	June 1981	<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)			
OPR PROJECT NO.		JOB NUMBER		SURVEY NUMBER		DATUM		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED
		CM-7811		TP-00870		NA 1927				
CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station name, where applicable, in parentheses.)	LATITUDE		LONGITUDE		OFFICE	FIELD			
		° /	'	° /	'					
DOMES		41	52	03.31	87 36	50.47		78 S(P) 8214 June 5, 1978	V-VIS 6/25/81	14926 14927 14928 14905
DOMES		41	51	58.73	87 36	24.28		78 S(P) 8213 June 5, 1978	V-VIS 6-25-81	"
NWS SIGNAL STATION	(Not officially in use)	41	52	52.19	87 36	56.77		78 S(P) 8213 June 5, 1978	V-VIS 6/25/81	"
TOWER		41	51	11.47	87 37	03.34		78 S(P) 8213 June 5, 1978	V-VIS 6/18/81	"
BUILDING	Standard oil building	41	53	06.97	87 37	17.26		78 S(P) 8224 June 5, 1978	V-VIS 6/24/81	"
				215		398				

RESPONSIBLE PERSONNEL		ORIGINATOR	
TYPE OF ACTION	NAME		
OBJECTS INSPECTED FROM SEAWARD	P. Walbolt	<input checked="" type="checkbox"/> PHOTO FIELD PARTY	<input type="checkbox"/> HYDROGRAPHIC PARTY
		<input type="checkbox"/> GEODETIC PARTY	<input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	P. Walbolt	FIELD ACTIVITY REPRESENTATIVE	
	R. Kravitz	OFFICE ACTIVITY REPRESENTATIVE	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		<input type="checkbox"/> REVIEWER	<input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'			
(Consult Photogrammetric Instructions No. 64.)			
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75		FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982	
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-1 8-12-75		II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.			

Replaces C&GS Form 567.

☐ TO BE CHARTED
☐ TO BE REVISED
☒ TO BE DELETEDREPORTING UNIT
(Field Party, Ship or Office)
Coastal Mapping Div.
AMC, Norfolk, VASTATE
IllinoisLOCALITY
Chicago Lake FrontDATE
June 1981U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY

☐ HYDROGRAPHIC PARTY
☐ GEODETIC PARTY
☐ PHOTO FIELD PARTY
☒ COMPILATION ACTIVITY
☐ FINAL REVIEWER
☐ QUALITY CONTROL & REVIEW GRP.
☐ COAST PILOT BRANCH
(See reverse for responsible personnel)The following objects HAVE ☒ BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.

OPR PROJECT NO.

JOB NUMBER

SURVEY NUMBER

DATUM

NA 1927

METHOD AND DATE OF LOCATION
(See instructions on reverse side)

FIELD

CHARTS
AFFECTEDCHARTING
NAMEDESCRIPTION
(Record reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parentheses.)

POSITION

LONGITUDE

OFFICE

MARKERS

10 Markers atop building (McCormick place) not of prominent landmark value.

41 51.2

87 36.7

Not Vis

6/25/81
Delete14926
14927
14928
14905

MARKERS

4 Markers at Soldier Field not of prominent landmark value.

41 51.7

87 37.0

Not Vis

6-25-81
Delete

"

TANK

Part of the bldg. (Morton Salt Co.) that this tank was on has been razed.

41 54.3

89 39.5

Not Vis

Destroyed
6/25/81

"

MARKERS

4 Markers atop Standard Oil Bldg. listed as "Building" landmark.

41 53.1

87 37.3

Not Vis

6/24/81
Delete

"

TANK

No prominent tank visible on photography, recommend deletion.

41 54.9

87 39.5

Not Vis

6/23/81
Unverified

"

STACK

Stack has been destroyed

41 54.7

87 39.2

78 S(P) 8216
6/5/786/22/81
Destroyed

"

TANK

Not of prominent landmark value

41 54.6

87 39.2

78 S(P) 8216
6/5/786/22/81
Delete

"

STACK

Not of prominent landmark value

41 54.6

87 39.2

78 S(P) 8216
6/5/786/22/81
Delete

"

TANK

Not visible from seaward

41 54.1

87 39.0

78 S(P) 8216
6/5/786/23/81
Delete

"

TANK

Destroyed
(Chicago Container Corp Tank, 1977)

41 54.0

87 39.6

Not Vis

6/23/81
Destroyed

"

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	P. B. Walbolt
POSITIONS DETERMINED AND/OR VERIFIED	P. B. Walbolt
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	R. R. Kravitz
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) 8. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

NOAA FORM 76-40
(6-74)

Replaces C&GS Form 567.

☐ TO BE CHARTED
☐ TO BE REVISED
☒ TO BE DELETED

REPORTING UNIT
(Field Party, Ship or Office)
Coastal Mapping Div.
AMC, Norfolk, VA

STATE
Illinois

LOCALITY

Chicago Lake Front

DATE
June
1981

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

LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY

☐ HYDROGRAPHIC PARTY
☐ GEODETIC PARTY
☐ PHOTO FIELD PARTY
☒ COMPILATION ACTIVITY
☒ FINAL REVIEWER
☐ QUALITY CONTROL & REVIEW GRP.
☐ COAST PILOT BRANCH
(See reverse for responsible personnel)

The following objects HAVE ☒ BEEN INSPECTED from seaward to determine their value as landmarks.

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)	POSITION				METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED
		LATITUDE		LONGITUDE		OFFICE	FIELD	
		° / ' "	D.M. Meters	° / ' "	D.P. Meters			
TANK	Tank destroyed	41 53.9	87 39.1			Not Vis	6/23/81 Destroyed	14926 14927 14928 14905
MARKER	Not of prominent landmark value	41 52.9	87 37.8			Not Vis	6/24/81 Delete	"
MARKER	Not of prominent landmark value	41 52.7	87 37.5			Not Vis	6/24/81 Delete	"
YMCA SIGN	Not of prominent landmark value	41 52.3	87 37.6			78 S(P) 8213 6/5/78	6/24/81 Delete	"
MARKER	Not of prominent landmark value	41 52.1	87 37.5			Not Vis	6/24/81 Delete	"
TANK	Tank destroyed	41 50.9	87 38.8			78 S(P) 8213 6/5/78	6/23/81 Destroyed	"
STACK	Not of prominent landmark value	41 50.2	87 39.8			Beyond photo coverage	6/30/81 Delete	"
RADIO MAST	Not of prominent landmark value	41 54.1	87 37.5			Not Vis	6/25/81 Delete	"
MARKER	Not of prominent landmark value	41 53.1	87 37.0			Not Vis	6/24/81 Delete	"
MONUMENT	Not of prominent landmark value	41 52.2	87 37.4			78 S(P) 8213 6/5/78	6/25/81 Delete	"

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	P. B. Walbolt
POSITIONS DETERMINED AND/OR VERIFIED	P. B. Walbolt
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW	R. R. Kravitz
ACTIVITIES	<input checked="" type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64,	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field Identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75
**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

