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

DESCRIPTIVE REPORT

Edition No.
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*U.S. GOVERNMENT PRINTING OFFICE:1976-669-248

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NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE	T	VEY TP-00870
NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOS PHERIC ADMIN.	TYPE OF SURVEY SUR	VEY TP
	TK ORIGINAL MAP	EDITION NO. (1)
DESCRIPTIVE REPORT DATA DECORD	☐ RESURVEY MAP	CLASS Final
DESCRIPTIVE REPORT - DATA RECORD	1	
	☐ REVISED JOB	RH+CM-7811
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division	LAST PRECEEDING MA	P EDITION
AMC, Norfolk, VA	TYPE OF SURVEY JOB	PH
	D ORIGINAL MAP	CLASS
OFFICER-IN-CHARGE	RESURVEY SUR	VEY DATES:
Max Ethridge, LCDR	REVISED 19	_TO 19
I. INSTRUCTIONS DATED		
1. OFFICE	2. FIELD	
Aerotriangulation - January 24, 1980 Compilation - May 27, 1980	HorizontalControl-June Field Edit -June	12, 1978 26, 1981
	1	
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-		
II. DATUMS	OTHER (Specify)	<u> </u>
1. HORIZONTAL: XX 1927 NORTH AMERICAN	OTHER (Specify)	
	OTHER (Specify)	
MEAN HIGH-WATER MEAN LOW-WATER	International Great La	kee Datum
2. VERTICAL: MEAN LOWER LOW-WATER	(1955) Lake Michigan L	•
MEAN SEA LEVEL	(1955) Lake Inchigan in	low water Datum
3. MAP PROJECTION	4. GRID(S)
Transverse Mercator	STATE ZONI	Ę
	Illinois	<u>E</u>
5. SCALE	STATE	E
1:10,000	<u> </u>	
III. HISTORY OF OFFICE OPERATIONS	T	
OPERATIONS	NAME NAME	April 1980
1. AEROTRIANGULATION METHOD: Analytic Landmarks and aids by		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	R. Kravitz	August 1980
COMPILATION CHECKED BY		August 1980
INSTRUMENT: Wild B-8 CONTOURS BY	NA	
SCALE: 1:10,000 CHECKED BY	NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	R. Kravitz	Oct. 1980
CONTOURS BY	F. Mauldin	Nov. 1980
метнор: Smooth drafted снескер ву	NA NA	
HYDRO SUPPORT DATA BY	R. Kravitz	Oct. 1980
SCALE: 1:10,000 CHECKED BY	F. Mauldin	Nov. 1980
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	F. Mauldin	Nov. 1980
6. APPLICATION OF FIELD EDIT DATA	P. L. Evans, Jr.	Dec. 1981
CHECKED BY	F. Margiotta	July 1982
7. COMPILATION SECTION REVIEW BY	F. 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 11. MAP REGISTERED - COASTAL SURVEY SECTION BY	R. Kelly (Signed)	Ot Apr. 1983
NOAA FORM 78-36A SUPERSEDS FORM C&GS 181 SERIE		1983
	<i>∺ ભા™ાં</i> # Ú.S. G.P.O. 19	72-769382/582 REG.#6

NOAA FORM 76-36B (3-72)		TP-00870	ATIONAL OCEA		TMOSPHERIC	RT OF COMMERCE ADMINISTRATION LOCEAN SURVEY
	COM	IPILATION SOU	RCES			
I. COMPILATION PHOTOGRAPHY				<u> </u>		
CAMERA(S)	2 20 mm)	TYPES OF PA	IOTOGRAPHY END		TIME REFE	RENCE
Wild R.C8 "S" (S = 15	2.29 11111)	(C) COLOR		ZONE		
PREDICTED TIDES NA		(P) PANCHRON	MATIC	Cent1		XXSTANDARD
TIDE CONTROLLED PHOTOGRAF	, NA NA	(I) INFRARED		901		DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE		STAGE OF	TIDE
78 S(P) 8224-8226 78 S(P) 8213-8216	June 5, 1978 June 5, 1978		1:30,000		ee below)	
	,					
REMARKS The lake level International Great Lak on June 5, 1978. 2. SOURCE OF MEAN HIGH-WATER	es Datum. W					
The term Mean Hi ated from the above 1 contact on the photog	isted photog	raphs, and i	s defined			
3. SOURCE OF MEAN LOW-WATER O	DR MEAN LOWER LO	DW-WATER LINE:				
4. CONTEMPORARY HYDROGRAPH	IC SURVEYS (List of	only those surveys t	hat are sources f	or photogram	metric survey	intormation.)
SURVEY NUMBER DATE(S)	SURVEY CO	PY USED SURV	EY NUMBER	DATE(S)	SURV	EY COPY USED
5. FINAL JUNCTIONS	AST	SOUT	4		WEST	
TP-00869	No Surve		TP-00871	-	No Su	rvev
REMARKS	VUIVE	<u> </u>	- VVVI			

0AA FORM 76–360 –72)		TP-00870	NATIONAL OCEANIC A	ND ATMOS	PARTMENT OF PHERIC ADMINISTRATIONAL OF	INISTRAT
IXX FIELD INSPI	ECTION OPERA	ATION (Hor. Control) Fig		<u> </u>		
		RATION	NAME			DATE
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	D FAITH		L. Davis			y 1979
		RECOVERED BY	L. Davis		Ju	Ly 1979
HORIZONTAL C	ONINOL	ESTABLISHED BY	L. Davis			ly 1979
		RECOVERED BY	None		34.	<u> </u>
VERTICAL CON	TROL	ESTABLISHED BY		·		
TENTIONE GON		PRE-MARKED OR IDENTIFIED BY	None			
			None			
LANDMARKS AN		COVERED (Triangulation Stations) BY LOCATED (Field Methods) BY	None			
AIDS TO NAVIG		1DENTIFIED BY	None			
		TYPE OF INVESTIGATION	<u> </u>			
GEOGRAPHIC N	AMES	COMPLETE				
INVESTIGATION	ı	SPECIFIC NAMES ONLY				
		X NO INVESTIGATION				
PHOTO INSPEC	TION	CLARIFICATION OF DETAILS BY	None			
BOUNDARIES A	ND LIMITS	SURVEYED OR IDENTIFIED BY	NA			
SOURCE DATA						
HORIZONTAL C	ONTROL IDEN	TIFIED	2. VERTICAL CONTRO	L IDENTIF	IED	
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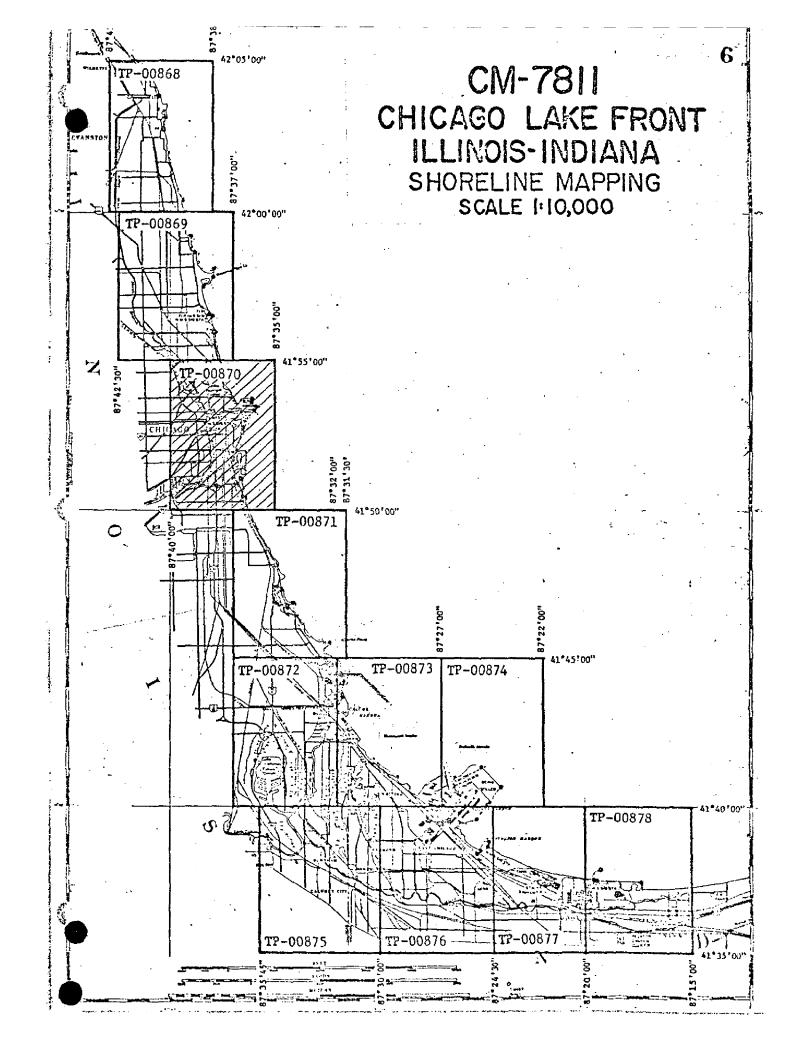
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			P. B. Walbol N. Wike & P.			1981 1981
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NONIZONIAL C		ARKED OR IDENTIFIED BY	None		 	
	, IXC-1	RECOVERED BY	None			
VERTICAL CON	ITROL	ESTABLISHED BY	None	· · · · · · · · · · · · · · · · · · ·		<u> </u>
	PRE-M	ARKED OR IDENTIFIED BY	None			
	RECOVERE	D (Triangulation Stations) BY	P. B. Walbo	lt	Aug.	1981
. LANDMARKS AN	ND L	OCATED (Field Methode) BY	None			
AIDS TO NAVIG	ATION	IDENTIFIED BY	P. B. Walbo.	lt	Aug.	1981
		PE OF INVESTIGATION				
GEOGRAPHIC N		COMPLETE BY				
INVESTIGATION	N X	SPECIFIC NAMES ONLY		_		
		NO INVESTIGATION	P. B. Walbo		Oct.	
PHOTO INSPEC		REFICATION OF DETAILS BY		. B. Walbolt	Aug.	1981
BOUNDARIES A		RVEYED OR IDENTIFIED BY	None		<u></u>	
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	None			None		
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, PHOTO NUMBE	RS (Clarification of deta	iila)				
	213, 8214, 821. ND AIDS TO NAVIGATION	5, 8224 (1:10,000 s	cale ratios)			
PHOTO NUMBER	ОВ.	ECT NAME	PHOTO NUMBER	OBJECT	NAME	
8S(P)8213 8224 8224	North End I Chicago Harbon Light A	r, South Breakwater, Light l r, Filtration Plant,			,	
8224 1:10,000 (s	cale) Light B	r, Filtration Plant,				
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NOAA FORM 76-36D (3-72)

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

TP-00870

				RD OF SURVE	Y USE			
I. MANUSCRII	PT COPIES						 	
	со	MPILA	TION STAGES	S			DATE MANUSCRI	PT FORWARDED
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	ion complete Field edit	Nov	1980	Class III Superse		pt	None	None
	it applied ion complete	July	7 1981	Class I ma	anuscript		None	None
Final Rev	7iew	Aug	. 1982	Final Map			Jan 7,198 8	None
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IV. SURVEY	EDITIONS (This section	hell be			p edition is rec	gistered		
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EDITION	DATE OF PHOTOGRAP		DATE OF FI	ELD EDIT	□ 11.	□	MAP CLASS	FINAL
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THIRD		_ (3)	РН			RE		SURVEY
EDITION	DATE OF PHOTOGRAP	HY	DATE OF FI	ELD EDIT		□ш.	MAP CLASS □IV. □V.	FINAL
	SURVEY NUMBER		JOB NUMBE	R	<u> </u>		TYPE OF SURVEY	<u> </u>
FOURTH	TP		PH			□ RE		ÜRVÉγ
EDITION	DATE OF PHOTOGRAP	нү	DATE OF FI	ELD EDIT			MAP CLASS □IV. □V.	DEINAL



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 walk-ways.

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

24. Supplemental Data

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

25. Photography

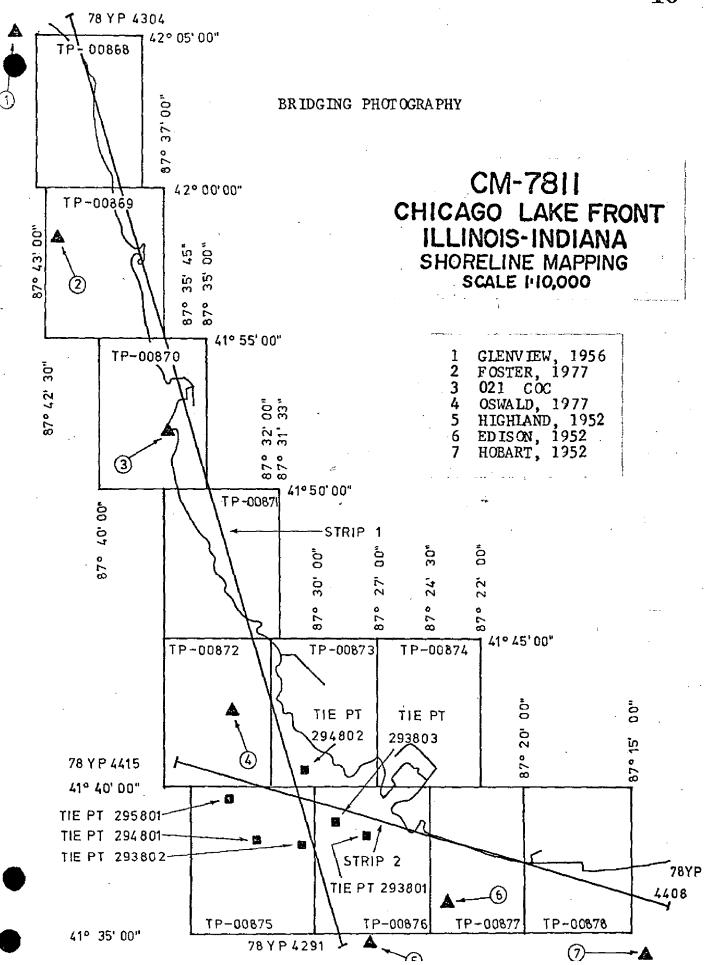
RC-10 "Y" photography was used for the 2 bridging strips. RC-8 "S" Photography was used for the 4 compilation strips. Both RC-10 "Y" and RC-8 "S" photography were adequate as to coverage and definition. Vacuum failure was noticed at the end lap of the RC-8 "S" photography, but this should not effect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

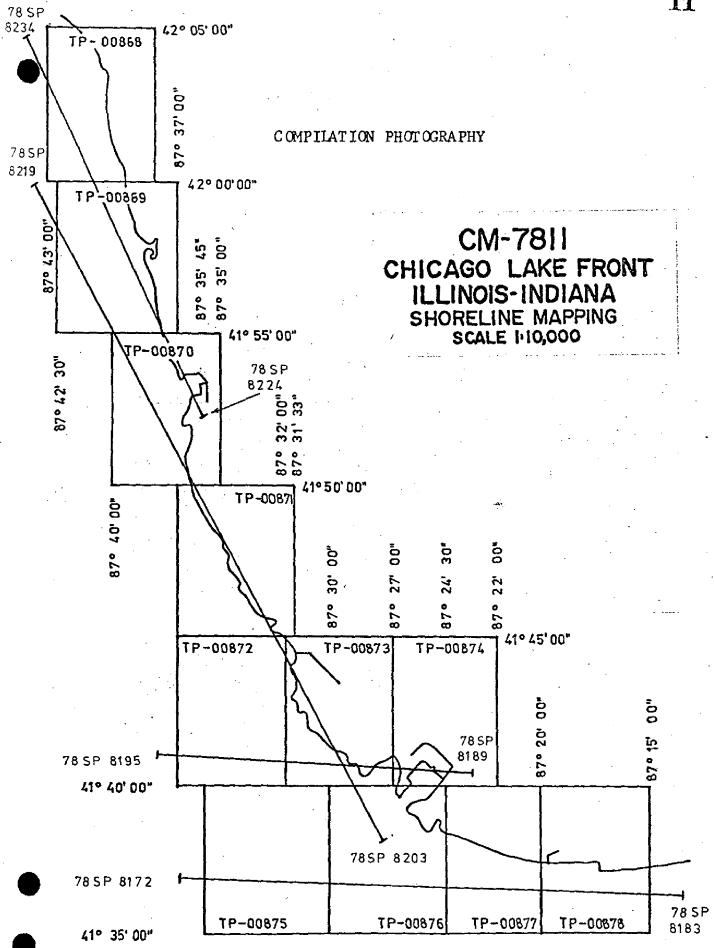
Submitted by, flut 2. Helly Robert B. Kelly

Approved and Forwarded:

Don O. Norman

Chief, Aerotriangulation Section





CLOVEURES TO CONTROL

STRIP 1

304101 304102 301101 301102 298101 298102 415101 415102	GLENVIEW, 1956 FOSTER, 1977 021 COC OSWALD, 1977	SUB PT A " " B	4.4 3.5 -0.3 -0.5 1.4 0.0 -1.1	-6.6 -0.7 0.8 14.2 -1.8 -1.3 3.1 0.8
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294801 " " -1.5	
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293801 " " 3.9 .	1.5
411101 EDISON, 1972 SUB PT A -2.4	2.5
	-3.3
409101 HOBART, 1972 SUB PT A -1.7	0.9
409102 " " B -5.6	0.1

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION 1980 1980 27, 5/13/80 May 12, REMARKS GEOGRAPHIC POSITION NOT FOLK, VA May DATE DATE DATE ORIGINATING ACTIVITY \$ 41050'12,274" < 1 87°36'51.284" γ rongitude \$41050'18.887" < λ 87036'48.981" λ 87036'30.551" \$ 41°51'58.657" \$ 41050'27.288" -\$ 41°50'16.542" 87038134.080"~ 87039'11.667" λ 87037'31.270"-87038'51,490"~ 41053'48.124" \$\phi\$ LATITUDE 41052'00.923" λ 87036'30.341" 41051131,945" SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE. DESCRIPTIVE REPORT CONTROL RECORD 0 ~ φ. φ. ~ 0 Ф. ~ ~ LISTING CHECKED BY

R Margiotta

HAND PLOTTING CHECKED BY

I. Perkinson COMPUTATION CHECKED BY F. Margiotta 894,664,74 srare_Illinois COORDINATES IN FEET X= 697,440.55 NA 1927 East GEODETIC DATUM ZONE ı, ı, # #X # y. 7 ¥ × 7 뽔 7 × ¥ 7 7 =, AEROTRI-ANGULATION POINT NUMBER DATE 5/27/80 \$\f2/80 $\frac{5}{2}$ / $\frac{5}{2}$ /80 CM-7811 SOURCE OF INFORMATION (Index) -108 -482 G-16005 G-16005 G-16005TSN-483 G-16005 G-16005 G-16005 G-16005 -109-177 76--81 CHICAGO, SAINT JOHNS CHURCH CUPOLA, 1977 JAMES CHURCH RED LIGHT ATOP CHICAGO, FIRST TRINITY CHICAGO, ST. FRANCIS CHURCH SPIRE, 1977 CHURCH SPIRE, 1977 STATION NAME 1 021 COC, 1977. ARP, 1977 MEADOWS, 1977 TP-00870 035 COC, 1977 COMPUTED BY A. Ar. LISTED BY
A. Rauck, Jr.
HAND PLOTTING BY CHICAGO, ST. SPIRE, 1977 L. Williams HOAA FORM 76-41 (6-75) CHICAGO, B.M. MAP NO

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5/23/80 PG. 2 of 4 girth

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(4–75)		DESCRIPTIV	IVE REPORT CONTROL RECORD		NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO.	Job Nő.		GEODETIC DATUM NA 1927	Coastal Mapping Division	ng Division
IF~U0070	(LT)		#### CT 04 # 1711	AMC, Norfolk,	VA
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Illinois ZONE East	GEOGRAPHIC POSITION Φ LATITUDE λ LONGITUDE	REMARKS
), ST. 1	G-16005		χ#.	\$ 41054'45.599" ~	
CHURCH SPIRE, 1977	TSN-71		ğ≠.	λ 87038'25.946"	
CHICAGO HANCOCK CENTER /	G-16005		≄χ	\$ 41°53'55.619"~	
. TOWER,	-79		<i>i</i> /±	A 87037'22.243"	
	G-16005		=X	¢ 41°53'30.566" ~	
020 COC, 1977	-345		-h	λ 87°35'55.161"	
	G-16005	ì	χe	\$ 41°53'21.547"	
CHICAGO HARBOR LIGHT, 1977	-168	4/	y=	λ 87035125.788"	
	410874		±χ=	\$ 41953'11.285"<	
(USLS), 18/4	1047	:	y=	λ 87°38'29.554"	
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LISTED BY A. Rauck, Jr.		DATE 5/2/80	LISTING CHECKED BY F. Margiot	ta .	DATE 5/12/80
HAND PLOTTING BY Williams		DATE	HAND PLOTTING CHECKED BY		
		SUPERSEDES N	NOAA FORM 78-41, 2-71 EDITION WHICH IS OBSOLETE.	H IS OBSOLETE.	11101

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Rauck, Ir. 5/6/80	DATE

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IE TATION ~	JOB NO.				;;!:
re TATION /	CM-7811		GEODETIC DATUM NA 1927	Coastal Mapping AMC, Norfolk, VA	ing Division
TATION ~	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Illinois ZONE East	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
WEME MAST, 1956	410874		χ=	41053'11,640"	
	7.001		y=	87°37'29.	
CHICAGO, RADIO STATION WFMT-FM, MAST, 1956	4108/4 1112		χ= Λ=	\$ 41053111.399" - 1 87037'54.994"-	-,
CHICAGO, RADIO STATION /	410874		χ=	\$ 41°53'04,728"	
WSEL, MAST, 1956	1117		y=	λ 87°38'00.782"	
N	410874		=X	φ 41°53'05,459" ~	····
WGN, NEW MAST, 1956	1126		y≈	λ 87037'22.621" ~	
ATION	410874		χ= '	\$ 41°52'57,570"	
ST, 1956	1128		<i>y</i> =	λ 87°38'14.129"	
ATION ~	410874		×=	\$ 41°52'47.026" -	T
WTTV, MAST, 1956	1129	i	<i>d=</i>	λ 87037153.409"	
News, 1956	G16005		χ=	φ 41 ⁰ 52'56.566" /	 1
	GNUM16206	•	y=	λ 87 38 21.881 Σ	
	G16005		=χ	φ 41°54'48.071"~	
014 COC, 1977	GNUM16206		n=	λ 87°37'57,406".	
MEIGS FIELD	410874		= *	φ 41°51'12.531"-	
A A, 1959	1209		η=	λ 87 ⁰ 36'25.783"-	
METGS FIELD	410874		χ=	\$ 41°51'50.988"~	
A B, 1959	1208		η=	λ 87°36'28.651"	
COMPUTED BY A. Rauck, Jr.		P\$/[2/80	COMPUTATION CHECKED BY F. Mar	Margiotta	DATE 5/13/80
LISTED BY A. Rauck, Jr.		DATE 5/7/80		Margiotta	DATE 5/12/80
HAND PLOTTING BY		PATE 5/23/80	HAND PLOTTING CHECKED BY TO DOW	0000	DATE 5/23/80

COMPILATION REPORT

TP-00870

31. DELINEATION

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

32. CONTROL

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

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

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

35. SHORELINE AND ALONGSHORE DETAILS

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

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

36. OFFSHORE DETAILS

No unusual problems.

37. LANDMARKS AND AIDS

Preliminary 76-40 forms consisting of 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

Robert R. Krant

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 theron 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 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 brige 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 Commottee 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 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:

Jeny 1. Hancock Jerry L. Hancock Final Reviewer

Approved for forwarding:

Billy H. Barnes

Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch, Rockville

Chief, Photogrammetry Division

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

Chief Geographer 04/03

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					'n	S. DEPARTA	U.S. DEPARTMENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567.	т 567.	NONFLOATING AIDS	DS.	,	FOR CHARTS	ARTS			HYDROGRAPHIC PARTY GEODETIC PARTY PHOTO FIELD PARTY	4RTY 7Y
X TO BE CHARTED		fice	STATE		LOCALITY			DATE	COMPILATION ACTIVITY	YIIY
TO BE DELETED	Coastal Mappir AMC. Norfolk.	ng biv. VA	Illinois		Chica	Chicago Lake	Front	June 1981	QUALITY CONTROL & REVIEW GRP.	REVIEW GRP.
The following objects	HAVE X HAVE NOT		been inspected from seaward to determine their value as landmarks	ward to de	termine the	ir value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT NO.		SURVEY N	UMBER	NATUM IAN	1927				NO. 14.00 1 10 11	
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	5				26 33	1	- 67 98		P-5-L	14926, 14927
LIGHT	Northend Light	South Breakwater	יר	41 52	905	87 36	840		6/25/81 78 ² 5/P) 8224	14928 14905
	1	\			52.41	1	12.67	78 S(P) 8226	SIV-V	
LIGHT	North Avenue Jetty L	Light		41 54	1617	87 37	292	6/5/78	6/25/81	
ГІСНТ	Chicago Harbor Outer Northwest End Light (: Breakwater (New light	er t under	41 54	10,60 [~] 327	87 36	27.03 / 623	78 S(P) 8226 6/5/78	V-VIS 6/25/81	п
LIGHT	Chicago Harbor Filtration Plant Light A	cation Pla	nt ′	41 53	46.64	87 36	08.59 [′] 198		P-5-L 6/25/81 78 S(P) 8224	. =
	Chicago Harbor Filtr	Filtration Plant	nt /	1	35.78	I	07.98			=
LIGHT				41 53	1104	87 36	184		6/25/81 78 S(P) 8224	
T,T GHT	go Harbor Navy	Pier No.	2	41 53	29.14	87 35	54.65	78 S(P) 8224	V-VIS	‡
	Light			1	899		1260	5/78	6/25/81	
T.T.GHT	Chicago Harbor Municipal	tipal Pier	`	41 53	23.30 ~	87 35	58.87	78 S(P) 8224	V-VIS	=
i i	No. 1 Light				719		1357	6/5//8	6/25/81	
	Chicago Harbor Southeast	neast Guide	(e)		17.76		09.11	78 S(P) 8224	V-VIS	-
LIGHT	Wall Light			41 53	548	87 36	210	5/78	6/25/81	
LIGHT	bor	Breakwater		41 52	36.95	87 36	36.30	78 S(P) 8214	V-VIS	=
	South Light	i		1	1140		837	6/5/78	6/25/81	
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	OSITIONS are determined by field obser- based entirely upon ground survey methods.	*FIELD POSITIONS are determin vations based entirely upon
**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established		2-6-L 12-75
EXAMPLE: V-VIS. 8-12-75	require entry of method of of field work.	A. Field positions* require entry of method location and date of field work.
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entry of method of location or verification,	e (including month,	Enter the number and date (including month,
FIELD (Cont'd) B. Photogrammetric field positions** require	CATED OBJECTS	OFFICE [DENTIFIED AND LOCATED OBJECTS
OR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.	
QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE		FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES
OFFICE ACTIVITY REPRESENTATIVE	R. R. Kravítz	
FIELD ACTIVITY REPRESENTATIVE	P. B. Walbolt	FÜSTTIONS DETERMINED AND/OR VERIFIED
GEODETIC PARTY OTHER (Specify)	P.B. Walbolt	
THE HYDROGRAPHIC PARTY	÷	
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RESPONSIBLE PERSONNEL	RESPONSIBLE	

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 75-40 (2-71) WHICH IS OBSOLETE, AND. Existing Stock should be destroyed upon receipt of revision.

NOAA FORM 76-40	-40		1	0	ם מיני	S. DEPARTM	U.S. DEPARTMENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567	m 567.	NONFLOATING AIDS		FOR CHARTS	RTS			HYDROGRAPHIC PARTY GEODETIC PARTY PHOTO FIELD PARTY	, RTY
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TO BE BEVISED	Coastal Mapping AMC, Norfolk, VA	Div. Illinois		Chicag	Chicago Lake Front	Front	June 1981		. & REVIEW GRP.
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OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM						
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LIGHT	Chicago Harbor Outer Breakwater South End Light	reakwater /	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,	-(7791,	41 53	21.547 664.9	87 35	25.788 594.8	78 S(P) 8224 6/5/78	TRIANG REC 6/25/81	н
AERO ~			41 51	33.58 ² 1036	87 36	36.16	78 S(P) 8213 6/5/78	V-VIS 6/18/81	п
LIGHT	Burnham Park Harbor Li	Light /	41 51	06.48 200	87 36	35.51 819		P-5-L 6/18/81 78 S(P) 8213	11
LIGHT	Thirty-first Street Je	Jetty Light	41 50	21 72 670	87 36	15.56	78 S(P) 8213 6/5/78.	·	11
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Page 2 of 🕩

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ositions* require entry of method of n and date of field work. : F-2-6-L 8-12-75 NS are determined by field obserentirely upon ground survey methods.	OR VERIFIED ta by symbols as follows: Photogrammetric - Visually Field identified Theodolite Planetable Sextant	VIED OBJECTS (including month, cograph used to	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE O		P. B. Walbolt R. R. Kravitz	P. B. Walbott	NAME	RESPONSIBLE PERSONNEL
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NOAA FORM 75-40 (8-74)

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

NOAA FORM 76-40	40				'n	, DEPARTMI	NT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
(8-74)		LAN	DMARKS	FOR CHA	RTS	K HE LANGE IN	LANDMARKS FOR CHARTS	HYDROGRAPHIC PARTY	RTY
OTEN OF CHAPTER	٠,	STATE		LOCALITY			DATE	COMPILATION ACTIVITY	V1T ¥
TO BE REVISED	Field Party, Ship or Office Coastal Mapping AMC AMC	Div. Illinois	ស	Chicago	Lake	Front	June 1981	FINAL REVIEWER QUALITY CONTROL & REVIEW GRP COAST DILOT BRANCH	REVIEW GRP.
The following objects	HAVE THAVE NOT	been inspected from seaward to determine their value	award to de	termine their	r value as	as landmarks.		(See reverse for responsible personnel)	ble personnel)
OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM						
	CM-7811	TP-00870		NA 1927			METHOD AND DATE OF LOCATION	TE OF LOCATION	
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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
STACK ′	Southerly of two		41 50	58.08 [~] 1792	87 39	10.97	78 S(P) 8213 6/5/78	V-VIS 6/23/81	£
RADIO ~ TOWER	(Chicago, Radio Station KSA Mast, 1956)	KSA 675 ~	41 51	04.727	87 39	29.974	78 S(P) 8213 6/5/78	TRIANG REC 6/23/81	Ľ
TV TOWER	(Chicago, Hancock Center- East T.V. Tower, 1977)	r	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 Chic Center	Chicago Hancock	41 53	55.62 1716	87 37	23.73	78 S(P) 8226' 6/5/78	V-VIS 6/24/81	16
TOWER ~	Lake Point Tower /		41 53	29.17 ²	87 36	44,11 ⁷	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 ² 916	87 35	58,61 ² 1351	78 S(P) 8225 [°] 6/5/78	V-VIS 6/25/81	:
TV MAST	(Chicago, I.V. Station WGN, 1956)	WGN, New Mast,	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 [~] 1010	87 37	08.15	78 S(P) 8214' 6/5/78	V-VIS 6/25/81	٤
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Page 3 of 9

d lation e ction on sitions* and date F-2-6-1 8-12-79 S are det entirely	DETERM! plicable	OFFICE 1. OFFICE (DENTIFIED AND LOCATED OBJECTS Enter the number and date (Including month, day, and year) of the photograph used to identify and locate the bject. EXAMPLE: 75E(C)6042 8-12-75		FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	COSTITIONS OF FEMALES AND/OR VENT LEG		OBJECTS INSPECTED FROM SEAWARD	TYPE OF ACTION	
ods.	NED OR VERIFIED data by symbols as follows: P - Photogrammetric Vis - Visually	ND LOCATED OBJECTS d date (including month, he photograph used to the bject.	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE O		R. R. Kravitz	P. B. Walbolt	P. B. Walbolt	NAME	RESPONSIBLE PERSONNEL
EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUAL Enter 'V+Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITION photogrammetric methods.	AT10 andm on s	n n n = 1	METHOD AND DATE OF LOCATION						PERSONNEL
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NOAA FORM 76-40 (8-74)

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

NOAA FORM 76-40	-40		Y	NATIONAL OCE	U.S	S. DEPARTMITMOSPHER	U.S. DEPARTMENT OF COMMERCE OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
(*)	~	LAN	DMARKS		RTS			GEODETIC PARTY	
Replaces C&GS Form 567				,				PHOTO FIELD PARTY	} ⊢
X TO BE CHARTED	REPORTING UNIT	STATE		LOCALITY			DATE	COMPLICATION ACTIVITY	\
TO BE REVISED	Coastal Mapping AMC Norfolk V	Div. Illinois		Chicago	Lake	Front	June 1981		REVIEW GRP.
The following objects	HAVE XX HAVE NOT	been inspected from se	award to de	termine thei	r value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER DATUM	DATUM						
	CM-7811	TP-00870		NA 1927			METHOD AND DA	METHOD AND DATE OF LOCATION	
				POSITION	ON		(See instruction	(See instructions on reverse side)	CHARTS
	NOI TAI BESCHIPTION	z	LATITUDE	JON.	LONGITUDE	JOE.		. !	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. e applicable, in parentheses	•	// D.M. Meters	`	D.P. Meters	OFFICE	FIELD	
STACK		-	41 53	11.34 [/] 350	87 38	27.89´ 643	78 S(P) 8215 6/5/78	V-VIS 6/23/81	14926 14927 14938 14908
TOWER	Northeasterly of two		41 53	17.08-	87 37	44.46	78 S(P) 8215 6/5/78	V-VIS 6/24/81	Ξ
TOWER /	Southwesterly of two		41 53	16.43-	87 37	45.33	78 S(P) 8215 6/5/78	V-VIS 6/24/81	11
CLOCK ~ TOWER			41 53	22.04	87 37	29.15′ 672	78 S(P) 8214 6/5/78	V-VIS 6/24/81	Ħ
TV MAST	(Chicago, Sears East T	TV Tower, 1977)	41 52	43.847	87 38	08.897 205.4	78 S(P) 8214 6/5/78	TRIANG REC 6/24/81	=
TV MAST	Westerly tower on Sears	s Bldg.	41 52	43.92 < 1355	87 38	10.15 ²	78 S(P) 8214 6/5/78	V-VIS 6/24/81	:
TOWER /	(Chicago, Board of Trade Statue, 1956)	de Building	41 52	39.352	87 37	55.962	78 S(P) 8215 6/5/78	TRIANG REC 6/24/81	=
STACK	Easterly of two/		41.52	06.81 210	87 38	07.24	78 S(P) 8213 6/5/78	V-VIS 6/24/81	Ŧ.
STACK /	Westerly of two	·	41 52	06.81 ⁷ 210	87 38	07.94 183	78 S(P) 8213 6/5/ 78	V-VIS. 6/24/81	Ε
STACK			4 1 51	02.95	87 39	11.83	78 S(P) 8213		E
				7.1		2/3	6/5/78	6/23/81	

Page 4 of 8

I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field P - Photogrammetric L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identified 2 - Traverse 6 - Theodolite 3 - Intersection 7 - Planetable 4 - Resection 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L ***PHOTOGRAMMETRIC FIELD When a landmark of Method Station static angulation static Rec.' with date of EXAMPLE: V-Vis. Triang EXAMPLE: V-Vis.' are section 8 - Sextant EXAMPLE: F-2-6-L ***PHOTOGRAMMETRIC FIELD III. TRIANGULATION ST/ When a landmark of Rec.' with date of EXAMPLE: Triang EXAMPLE: V-Vis.' are section 8-12-79. EXAMPLE: V-Vis.' are section 8-12-79.	FFICE [DENTIFIED AND LOCATED OBJECTS FIELD (Cont'd) B. Photogramme entry of me ay, and year) of the photograph used to dentify and locate the bject. XAMPLE: 75E(C)6042 EXAMPLE: F	CTIONS F	P. B. Walbolt R. R. Kravitz	D FROM SEAWARD P. B. Walbolt	TYPE OF ACTION RESPONSELE PERSONNEL	
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. EXAMPLE: V-Vis. EXAMPLE: V-Vis. entirely, or in part, upon control established by photogrammetric methods.	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	CI REVIEWER CI QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE Aructions No. 64,	FIELD ACTIVITY REPRESENTATIVE	 \overline{\text{XX}} PHOTO FIELD PARTY \overline{\text{CPARTY} \overline{\text{CPARTY}	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,

NOAA FORM 76-40	-40				Ü,	. DEPARTM	U.S. DEPARTMENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
(8-74) Replaces C&GS Form 567.	Form 567.	LAND	MARKS	LANDWARKS FOR CHARTS	RTS RND	AT MOSPHERI	C ADMINISTRATION	HYDROGRAPHIC PARTY GEODETIC PARTY DUOTO EVELD BARETY	.RTY
X TO BE CHARTED	TED REPORTING UNIT	STATE		LOCALITY			DATE	XX COMPILATION ACTIVITY	יועודא
TO BE REVISED TO BE DELETED	<u> </u>	v. Illinois		Chicago	Lake	Front	June 1981	COAST PILOT BRANCH	A REVIEW GRP.
The following	HAVE XX HAVE NOT	been inspected from seaward to determine their value	ward to de	termine thei	S	landmarks.		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM		; ;	 			
-	CM-7811	TP-00870	N	NA 1927			METHOD AND DATE OF LOCATION	E OF LOCATION	
				POSITION	NO		(See instructions on reverse side)	on reverse side)	CHARTS
	NOLLORSCRIPTION		LATITUDE	UDE	LONGITUDE	TUDE			AFFECTED
CHARTING	Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in perentheses)	aid to navigation. plicable, in parentheses)	, ,	// D.M. Meters	•	D.P. Meters	OFFICE	FIELD	
STACK ~			41 54	40.58	87 39	28.72	78 S(P) 8216 6/5/78	V-VIS 6/23/81	14926 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	11
SPIRE	Southerly of two		41 54	07.88	87 39	45.85	78 S(P) 8216 6/5/78	V-VIS 6/23/81	n
STACK /			41 54	07.26	87 38	59,917 1381	78 S(P) 8216 6/5/78	V-VIS 6/23/81	n
STACK ~			41 53	58.44	87 39	10.24	78 S(P) 8216 6/5/78	V-VIS 6/23/81	11
TANK ~	Northerly of two		41.53	57.43~	87 38	41.29′	78 S(P)8216 6/5/78	V-VIS 6/23/81	u
TANK	Southerly of two		41 53	54.91	87 38	39.17 ² 903	78 S(P) 8216 6/5/78	V-VIS 6/23/81	±
SPIRE ((Chicago St. John's Church Cupola, 1977)	ch	41 53	48.124 1485.0	87 39	11.66Ž 269.2	78 S(P) 8216 6/5/78	TRIANG REC 6/23/81	. =
									XX

Page 5 of 8

FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	F-2-6-L 8-12-75	A. Field positions require entry of location and date of field work.	3 - Intersection 7 - Pla 4 - Resection 8 - Sex	ation 5 -	end Vis	FIELD I. NEW POSITION DETERMINED OR VERIFIED Forter the applicable data by symbols	XAMPLE:	Enter the number and date (including and year) of the photograph used identify and locate the blect.	E (DENTIFIE	INS	AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		F-5511 IONS DETERMINED AND/OR VERIFIED	OBJECTS INSPECTED FROM SEAMAND		TYPE OF ACTION	
by photogramm	**PHOTOGRAMMETR	method of			ric angulation Rec. with EXAMPLE:	s as follows:		to date of	FIELD (Cont'd) B. Photogr	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF (Consult Photogrammetric Instructions No. 64,		R. R. Kravitz	P. B. Walbolt	P. B. Walbolt	;	NAKE	RESPONSIBLE PERSONNEL
tric methods.	IC FIELD POSITIONS are dependent In part, upon control established	8-12-75	VERIFIED VISUALLY ON PHOTOGRAPH Vis.' and date.	8-12-75	, enter	TRIANGULATION STATION RECOVERED	P-8-V 8-12-75 74L(C)2982	entry or method or location or verification, date of field work and number of the photo-	metric field positions** require	LOCATION'	QUALITY CONTROL AND REVIEW GROUP	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	GEODETIC PARTY OTHER (Specify)	XX PHOTO FIELD PARTY The state of the sta	ORIGINATOR	

NOAA FORM 78-40 (8-74)

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

NOAA FORM 76-40					=	S. DEPART	U.S. DEPARTMENT OF COMMERCE	ORIGINATING ACTIVITY	ACTIVITY
(8-74)		-	NATIONAL OCEANIC	TIONAL OCI	OCEANIC AND	ATMOSPHE	RIC ADMINISTRATION	HYDROGRAPHIC PARTY	ARTY
Replaces C&GS Form 567			CHAMMA					PHOTO FIELD PARTY	at Y
XXTO BE CHARTED	(Field Party, Ship or Office)	STATE		LOCALITY			OATE June	COMPLATION ACTIVITY	TIVITY
TO BE DELETED	Coastal Mapping I AMC, Norfolk, VA	Div. Illinois	is	Chicago	ago	•	1981	COAST PILOT BRANCH	L & REVIEW GR
The following objec	HAVE X HAVE NOT	been inspected from seaward to determine their value as landmarks	eaward to de	termine the	ir value as	landmarks.		(See reverse for responsible personnel)	sible personnel)
OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM						
			NA 1	1927			(See instructions	METHOD AND DATE OF LOCATION (See instructions on reverse side)	0 A H C
	L CM~/811	TP-008/0		1001	- 1				ARCE(140)
2 2 4 0	DESCRIPTION	Z	LATITUDE	rube.	LONG!! UDE	I UDE	101110	C 1211	
	(Record reason for defetion of tangmers of aid to navigation. Show triangulation station names, where applicable, in perentheses)	k or aid to navigation. • applicable, in parenthes	, , (89	D.M. Meters	•	D.P. Meters			
			1	03.31	07 0	50.47	1	3111 11	14926 14927
DOME			41 52	102		1164	78 S(P) 8214 June 5, 1978	6/25/81	14928
		-	7, i 51	58.73	27 36	24.28		SIV-V	:
DOME /				1812		260	78 S(P) 8213 June 5. 1978	6-25-81	: :
NWS /			. 1 . 7	52.19	87 36	56.77	(V-VIS	=
z	(Not officially in use)	(3)		1610		1309	June 5, 1978	0/27/01	
 			i	11.47		03.34	!	SIA-V	-
TOWER .			41 51	354	87 37	77	/8 S(P) 8213 June 5, 1978	5/18/81	
			71 50	<i>-</i> 26°90	70 70	17.26	į (V-VIS	=
BUILDING	Standard oil building		41 33	215	/6 /9	398	June 5, 1978		
									!
	' . İ								
		· ·			·	٠,	,		
			_						·

	RESPONSIBLE PERSONNEL	PERSONNEL	
TYPE OF ACTION	NAME	AM	ORIGINATOR
			X PHOTO FIELD PARTY
OBJECTS INSPECTED FROM SEAWARD			GEODETIC PARTY
	P. Walbolt		OTHER (Specify)
	P. Walbolt		FIELD ACTIVITY REPRESENTATIVE
FUSITIONS DETERMINED AND/ON VERIFIED	R. Kravitz		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW		. •	REVIEWER QUALITY CONTROL AND REVIEW GROUP
ACTIVITIES			REPRESENTATIVE
	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	ATT 05 170 170 170 170 170 170 170 170 170 170	(Cont'd)	
Enter the number and date (including month,	(including month,	entry of method of	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 8-12-75 741 (c)3683	to locate or identify the object. 3-12-75 741 (c) 2082
FIELD		TBIANGINATION CTATION	
Enter the applicable data by symbols	by symbols as follows:	When a landmark or aid which is	also a
<u>.</u>	P - Photogrammetric	<pre>Rec.' with date of re</pre>	is recovered, enter 'Triang. recovery.
a		-	•
1 - Triangulation 5 - F	Field identified	8-12-75	
tion 7-	Planetable	III. POSITION VERIFIED VIS	VERIFIED VISUALLY ON PHOTOGRAPH
œ 1	Sextant	+Vis.' and	date.
A. Field positions* require entry of method of	re entry of method of	8-12-75	
location and date of field work.	ield work.		
		**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control establishe	<pre>in part, upon control established</pre>
*FIELD POSITIONS are determined by field obser-	ed by field obser-	3	ds.
vations based entirely upon ground survey methods.	ground survey methods.		

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.

					2.010	DOGUMEOU BO HALLE	ATTACA PROTECTION	ALIMIT
NOAA FORM 76-40 (8-74)	-40		NAT	ONAL OCEA	U.S. DEFAR	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	HYDROGRAPHIC PARTY	ARTY
Replaces C&GS Form 567	Form 567.		LANDMARKS FOR CHARTS	OR CHAF	tTS		GEODETIC PARTY	7.
TTO BE CHARTED		STATE		LOCALITY		DATE	COMPILATION ACTIVITY	\
TO BE REVISED	٠ .	1 1 1 1 1 1 1			Tolo Dront	June 1981		L& REVIEW GRP.
The following	HAVE EV HAVE NOT	from	seaward to determine their volve as	rmine their].	(See reverse for responsible personnel)	ible personnell
OPR PROJECT NO.	JOB NUMBER	_	DATUM					
	CM-7811 TI	TP-00870	NA 1927	7:		METHOD AND DATE OF LOCATION	E OF LOCATION	
)		POSITION	z	(See instructions on reverse side)	on reverse side)	CHARTS
	NO TO BOOK O		LATITUD	JOE	LONGITUDE			AFFECTED
CHARTING	(Record reason for deletion of landmark or sid to nevigation.	d to navigation.	,	//	// / 0	OFFICE	FIELD	
	Show triangulation station names, where applicance, in parellineses,	Cause, in peroningoes,		D.M. Meters	D.F. Meters			
MARKERS	10 Markers atop building (McCormick place) not of prominent landmark value.	(McCormick andmark	41 51.2		87 36.7	Not Vis	6/25/81 Delete	14926 14928 14938
MARKERS /	4 Markers at Soldier Field prominent landmark value.	d not of	41 51.7	8	87 37.0	Not Vis	6-25-81 belete	ı
TANK /	Part of the bldg. (Morton that this tank was on has	Salt Co.) been razed.	41 54.3	8	9 39.5	Not Vis	Destroyed / 6/25/81	=
MARKERS	4 Markers atop Standard Oil Bl listed as "Building" landmark.	Oil Bldg. / idmark.	41 53.1	87	7 37. 3	Not Vis	6/24/81 Delete	14
TANK	No prominent tank visible ography, recommend deletion.	on photo-	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 6/5/78	6/22/81 Destroyed	п
TANK	Not of prominent landmark value	value	41 54.6		87 392	78 S(P) 8216- 6/5/78	6/22/81 Delete	Ξ.
STACK	Not of prominent landmark value	value'	41 54.6		87 39.2	78 S(P) 8216~ 6/5/78	6/22/81 Delete	F
TANK	Not visible from seaward		41 54.1		87 39.0	78 S(P) 8216 6/5/78	6/23/81 Delete/	=
TANK	Destroyed (Chicago Container Corp Tank,	ank, 1977)	41 54.0	- <u>"</u>	87 39.6	Not Vis	6/23/81 / Destroyed	E
		·					Page 7 of 3	Ar. K

TYPE OF ACTION	RESPONSIBLE PERSONNEL	DERSONNEL	ORIGINATOR
			MYDROGRAPHIC PARTY
OBJECTS INSPECTED FROM SEAWARD	P. B. Walbolt		GEODETIC PARTY OTHER (Specify)
	P. B. Walbolt		FIELD ACTIVITY REPRESENTATIVE
TOST TONS DE LEXMINED ANA/OR VERTITE	R. R. Kravitz		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	AETHOD AND DATE OF LOCATIONS ic Instructions No. 64,	
E FFICE IDENTIFIED nter the number and year) of dentify and local XAMPLE: 75E(C)60	AND LOCATED OBJECTS and date (including month, the photograph used to te the bject.	FIELD (Cont'd) B. Photogrammetric field entry of method of lodate of field work ar graph used to locate EXAMPLE: P-8-V 8-12-75 74L(C)2982	<pre>mmetric field positions** require method of location or verification, field work and number of the photo- ed to locate or identify the object. P-8-V 8-12-75 74L(C)2982</pre>
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols F - Field P - Photogrammet L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identi 2 - Traverse 6 - Theodolite 3 - Intersection 7 - Planetable	NED OR VERIFIED data by symbols as follows: P - Photogrammetric P - Pisually 5 - Field identified 6 - Theodolite 7 - Planetable	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is all angulation station is recovered, e Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOT	TION STATION RECOVERED ndmark or aid which is also a tri- n station is recovered, enter 'Triang. h date of recovery. Triang. Rec. 8-12-75 VERIFIED VISUALLY ON PHOTOGRAPH
tion 7- n 8- ltions* req and date of	Planetable Sextant uire entry of method of field work.	•	ite.
en S	d by field obser-	entirely, or in part, upon by photogrammetric methods	in part, upon control established metric methods.

NOAA FORM 76-40 (8-74)

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

☆ U.S.GPO:1975-0-665-080/1155

			!				
NOAA FORM 76-40	40		NATIONA	U.S. DEPA	OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567	т 567.	·	LANDMARKS FOR CHARTS	CHARTS		GEODETIC PARTY	
TO BE CHARTED	TED REPORTING UNIT	e)	FOC	LOCALITY	DATE	VX COMPLATION ACTIVITY	الالالا
TO BE REVISED X TO BE DELETED		Div. A Illinois	5	Chicago Lake Front	June 1981	OUALITY CONTROL & REVIEW GRE	REVIEW GRP
The following objects	ets HAVE XX HAVE NOT	been inspected from seaward to determine their value as landmarks.	sward to defermin	ie their value as landmar		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT NO.		SURVEY NUMBER	DATUM				
	CM-7811	TP-00870	NA 1927	7	METHOD AND DATE OF LOCATION	E OF LOCATION	
,	 			POSITION	(See instructions on reverse side)	on reverse side)	CHARTS
	DESCRIPTION	NO	LATITUDE	LONGITUDE			AFFECTED
CHARTING	(Record reason for defetion of landmark or aid to navigation. Show triangulation station names, where applicable, in perentheses	ark or aid to navigation. ere applicable, in perentheses)	, D.M.	Meters 0 / D.P.Meters	OFFICE	FIELD	
TANK	Tank destroyed		41 53.9	87 39.1	Not Vis	6/23/81 Destroyed	14929 14928 14905
MARKER ~	Not of prominent lan	landmark value	41 52.9	87.37.8	Not Vis.	6/24/81 Delete	1
MARKER	Not of prominent lan	landmark value /	41 52.7	87 37.5	Not Vis	6/24/81 Delete	=
YMCA / SIGN	Not of prominent lan	landmark value	4.1 52.3	87 37.6	78 S(P) 8213 6/5/78	6/24/81 / Delete	٤
MARKER	Not of prominent landmark value	dmark value	41 52.1	87 37 . 5	Not Vis	6/24/81 Delete	t
TANK /	Tank destroyed	·	41 50.9	87 38.8	78 S(P) 8213, 6/5/78	6/23/81 Destroyed.	£
STACK	Not of prominent land	landmark value.	41 50.2	87 39.8	Beyond photo coverage	6/30/81 Delete	=
RADIO MAST	Not of prominent lan	landmark value /	41 54.1	87 37.5	Not Vis /	6/25/81 Delete	F .
MARKER /	Not of prominent lan	landmark value /	41 53.1	87 37.0	Not Vis	6/24/81 Delete	=
MONUMENT	Not of prominent lan	landmark value /	41 52.2	87 37 .4	78 S(P) 8213 6/5/78	6/25/81/ Delete	11
						Page 8 of	8 1974

FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey meth	location and date of texample: F-2-6-L 8-12-75	A. Field positions requi	1 I	ation 5 -	EW POSITION DETERMI nter the applicable - Field - Located	8-12-75	<pre>day, and year) of the photograph used identify and locate the \bject. EXAMPLE: 75E(C)6042</pre>	OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month,	The second secon	FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	E-OSIG JONS DE LE RAMINER OND/OR SERVICES	PETERNING AND JOB VERSIELD	OBJECTS INSTECTED FROM SOCIATION		TYPE OF ACTION	
ground survey methods.	field work.	require entry of method of	Planetable Sextant	Field identified Theodolite	NED OR VERIFIED data by symbols as follows: P - Photogrammetric Vis - Visually		bject.	ATED OBJECTS (including month,	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION (Consult Photogrammetric Instructions No. 64,		R. R. Kravitz	P. B. Walbolt	P. B. Walbolt	;	NAME	RESPONSIBLE PERSONNEL
by photogrammetric methods.	**PHOTOGRAMMETRIC FIELD PO	EXAMPLE: V-Vis. 8-12-75	<pre>Enter 'V+Vis.' and date.</pre>	8-12-75	⇒ " ~ ` →	8-12-75 74L(C)2982	date of field work graph used to located to see EXAMPLE: P-8-V		Consult Photogrammetric Instructions No. 64,						The state of the s	PERSONNEL
ods.	(IC FIELD POSITIONS are dependent in part, upon control established		SUALLY ON PHOTOGRAPH		ON RECOVERED aid which is also a tri- is recovered, enter 'Triang. recovery.	32	field work and number of the photo- ed to locate or identify the object. P-8-V	mmetric field positions** require method of location or verification,		REVIEWER QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	GEODETIC PARTY OTHER (Specify)	HYDROGRAPHIC PARTY	ORIGINATOR	

NOAA FORM 78-40 (8-74)

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

☆ U.S.GPO:1975-0-665-080/1155

FORM **C&G5-8352** (3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

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 Charte" in the Peri

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.
			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.
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