NOAA FORM 76-35 (3-76)					
U.S. DEPARTMENT OF COMMERCE					
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY					
DESCRIPTIVE	RFPORT				
DEGOIIII TITE	ILLI OILLI				
Map No.	Edition No.				
TP-00654	1				
Job No.					
CM-7812 Map Classification	· · · · · · · · · · · · · · · · · · ·				
-					
FINAL, FIELD EDITED MAP					
Type of Survey					
SHORELINE					
LOCALITY					
State	<u> </u>				
WISCONSIN					
General Locality					
FOX RIVER, GREEN BAY TO	NEENAH				
Locality					
DE PERE					
1978 TO 1981					
1978 10 1981					
	· 				
DEGISTRY W. I.D.	CULVEC				
REGISTRY IN AR	CHIAF2				
DATE					
2015					

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

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE TYPE OF: (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. □ ORIGIN	1
ORIGIN CE	AL MAPEDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	VEY MAP CLASS FINAL
REVISE	о јов жи - <u>СМ-7812</u>
PHOTOGRAMMETRIC OFFICE	ST PRECEEDING MAP EDITION
TYPE OR S	
Coastal Mapping Division, Norfolk, VA	
RESUR	
A. Y. Bryson, CDR	19TQ 19
I. INSTRUCTIONS DATED	
1. OFFICE	2. FIELD
Aerotriangulation March 31, 1980 Horizont Compilation September 22, 1980 Field Ed	al Control June 19, 1978 it August 25, 1981
	· · · · · · · · · · · · · · · · · · ·
II. DATUMS OTHER (Specif	w)
1. HORIZONTAL: (A) 1927 NORTH AMERICAN	
2. VERTICAL: MEAN LOWER LOW-WATER Lake Mich MEAN SEA LEVEL	onal Great Lakes Datum (1955) igan Low Water Datum
3. MAP PROJECTION	4. GRID(S)
Lambert Conformal Conic Wisconsi	n Central
5. SCALE STATE	ZONE
1:15,000	
OPERATIONS	NAME DATE
1. AEROTRIANGULATION BY B. Thornt	on Aug. 1980
METHOD: Analytic LANDMARKS AND AIDS BY B. Thornt	9
2. CONTROL AND BRIDGE POINTS PLOTTED BY B. Thornt	
METHOD: Calcomp CHECKED BY B. Thornt 3 STEPEOSCOPIC INSTRUMENT DI ANNOTATION DE Butler	
1 3. 3 EREUSCOPIC INSTRUMENT PLANIMETRY BY [tta & F. Mauldin March 1981
INSTRUMENT: Wild B-8 CONTOURS BY NA	
scale: 1:15,000 CHECKED BY NA 4. MANUSCRIPT DELINEATION PLANIMETRY BY F. Margio	tta June 1981
4. MANUSCRIPT DELINEATION PLANIMETRY BY F. MATGIO CHECKED BY F. Mauldi	
METHOD: Smooth drafted CONTOURS BY NA	
CHECKED BY NA	1001
scale: 1:15,000 HYDRO SUPPORT DATA BY F. Margio	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY F. Mauldi	
By M. Mozgal	a March 1982
CHECKED BY C. BLOOD	Aug. 1982
7. COMPILATION SECTION REVIEW BY C. Bloods 8. FINAL REVIEW BY J. Hancoc	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY J. Hancoc	le March 1002
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY Robert Ke	11vl) Wolfe June 1983
11. MAP REGISTERED - COASTAL SURVEY SECTION BY (DV NOAA FORM 76-36A SUPERSEDES FORM C&GS 181 SERIES 7 7	91 <u>V</u>

NOÃA FORM 76-36B (3-72)			NATIONAL OCEAN	HC AND ATMO	SPHERIC AD	
	CO	TP-00654 MPILATION SOL	IRCES		NATIONAL C	CEAN SURVE
1. COMPILATION PHOTOGRAPHY		<u> </u>				
CAMERA(S) Wild R.C8, "E" (E =	152.71 mm)		HOTOGRAPHY SEND	т	IME REFERE	NCE
TIDE STAGE REFERENCE PREDICTED TIDES NA REFERENCE STATION RECORDS	NΔ	(C) COLOR (P) PANCHROI	MATIC	zone Centr	al	XSTANDARD
TIDE CONTROLLED PHOTOGRAP		(I) INFRAREC	•	90th		DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE		STAGE OF T	IDE
78 E(C) 9792-9800 78 E(C) 0397-0400	4/27/78 [*] 5/6/78 [*]	13:37 11:10	1:20,000	NA NA		
REMARKS *Lake level at Water Datum, G					higan Lo	w
2. SOURCE OF MEAN HIGH-WATER		e, 01 1.73 1	c. above i.	G. L.D.		
from the above listed photographs, and is defined as the visible line on the photographs which mark the contact between land and water. *The water level between Lake Winnebago (747.32) and Green Bay (578.53) was 168.79 feet at the time of photography. Consequently, a graphic profile is included on each map. This profile indicates the water level for each pool as a result of the continuous lock system maintained along Fox River.						
3. SOURCE OF MEAN LOW-WATER O	R MEAN LOWER LO	OW-WATER LINE:				
4. CONTEMPORARY HYDROGRAPHICSURVEY NUMBER DATE(S)	C SURVEYS (List of			photogrammetri		copy USED
C FINAL INSCRIPTIONS				·		
5. FINAL JUNCTIONS NORTH EA	\\$T	souti		WES	įΤ	
TP-00655	No survey	No	survey		TP-0065	3
TP-00655 REMARKS	No survey	No	survey		TP-0065	3

NOAA FORM 76-36 (3-72)	C -		Tro O	OŘ5/	NATIONAL OCEA	U. S.	MOSPHERIC .	IT OF COMMERCE
		HC	TP-0 S TORY		OPERATIONS			
I. X FIELD INSPECTION OPERATION FIELD EDIT OPERATION								
		OPERATION				NAME		DATE
1. CHIEF OF FIEL	LD PARTY				I Perria		j	4 1070
			RECO	VERED BY	L. Davis None	_	-	Aug. 1979
2. HORIZONTAL	CONTROL		E\$TAE	BLISHED BY	None			
l	_	PRE-MARKE	ORIDEN	TIFIED BY	None			·
		·	RECO	OVERED BY	None			
3. VERTICAL CO	NTROL		ESTAE	LISHED BY	None			
		PRE-MARKE	ORIDEN	TTIFIED BY	None			
		RECOVERED (Trial	ngulation	Stations) BY	None			
4. LANDMARKS A		LOCATE	D (Field i	Methoda) BY	None			
AIDS TO NAVIG	SATION		IDEN	TIFIED BY	None			
		TYPE OF	INVESTIG	ATION				
5. GEOGRAPHIC		COMP!	LETE	ВҮ				
INVESTIGATIO	N	SPECI	FIC NAME	ES ONLY	,			
		NO IN.	VESTIGAT	TION				
6. PHOTO INSPEC	TION	CLARIFICAT	ION OF	ETAILS BY	None			
7. BOUNDARIES A	ND LIMITS	SURVEYED	ORIDEN	TIFIED BY	NA			
II. SOURCE DATA				·- <u>-</u>	<u> </u>			
1. HORIZONTAL	CONTROL	IDENTIFIED		.*	2. VERTICAL CO		ITIFIED	
	None				NC.	ne		
PHOTO NUMBER		STATION.N.	AME		PHOTO NUMBER	51	TATION DESIG	NA TION
	<u> </u>					<u> </u>		
3. PHOTO NUMBERS (Clarification of details)								
None								
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED								
`	None							
PHOTO NUMBER		OBJECT NA	AM E	1	PHOTO NUMBER		OBJECT N	AME
					1	<u> </u>		
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							,	
5. GEOGRAPHIC	AMES:	REPORT	₩ NC	NE	6. BOUNDARY AN	ID LIMITS:	REPORT	NONE
7. SUPPLEMENTA	L MAPS A	ND PLANS						
	M							
A	None 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)							
S. OTHER FIELD	RECORDS	(Skeich books, etc. D	O NOT ti	st data subtni	tted to the Geodesy D	livision)		
No 1	norizon	tal control,	estab]	lished d	uring this fi	eld oper	ration, f	ell within
		f this map.			-	-	•	

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4.	

NOAA FORM 76-36	<u></u>		<u>-</u>		U. S. DEPARTME	NT OF	COMMERC
(3-72)		TP-00654	NATIONAL O	EANI	G AND ATMOSPHERIC NATIONA	ADMIN	ISTRATIC
		HISTORY OF FIE	LD OPERATIONS				
1. 🔲 FIELD INSP	ECTION OPE	RATION X	IELD EDIT OPERAT	ON			
	01	PERATION		NA	ME.		DATE
1. CHIEF OF FIEL	D PARTY		R. Tibbet	ts		Oct.	1981
		RECOVERED	BY R. Fisher	R	. Tibbetts & J. Koster	Sept	. 198
2. HORIZONTAL C	ONTROL	EST A BL ISH ED	BY None		J. Koster		
		PRE-MARKED OR IDENTIFIED	BY None		·		
		RECOVERED	BY None				
3. VERTICAL CON	ITROL	ESTABLISHED	None				
		PRE-MARKED OR IDENTIFIED	BY None				
	F	ECOVERED (Triangulation Stations)	BY R. Fisher.	R.	Tibbetts &	Sept	1981
4. LANDMARKS AT		LOCATED (Field Methods)	BY None		J. Koste	r '	
AIDS TO NAVIG	ATION	IDENTIFIED	BY None				
		TYPE OF INVESTIGATION	Ĭ				
5. GEOGRAPHIC N		COMPLETE	BY				
INVESTIGATION	N .	SPECIFIC NAMES ONLY]	
	<u> </u>	NO INVESTIGATION				ļ	
6. PHOTO INSPEC	TION	CLARIFICATION OF DETAILS	BY R. Tibbett	s		Sept	. 198
7. BOUNDARIES A	NO LIMITS	SURVEYED OR IDENTIFIED	BY NA				
II. SOURCE DATA							,
1. HORIZONTAL C		ENTIFIED	2. VERTICAL		ROL IDENTIFIED		
	None			Noi	ne ————————————————————————————————————		
PHOTO NUMBER		STATION NAME	РНОТО NUMBE	R	STATION DESI	GNATIC	N
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				1			
			1	ı			
				l			
3. PHOTO NUMBE	BS (Clarifica	tion of details)					
78 E(C) 03	398, 039	tion of details) ; Matte ratio (x2.029)	photos				
78 E(C) 97	793 , 979:	5, 9796; Matte ratio (x	1,343) photos				
4. LANDMARKS A	ND AIDS TO	NAVIGATION IDENTIFIED		-			
Nor	ne						
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBE	R	OBJECT N	AME	
		•					
l							
]				1			
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l							

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

1 paper field edit sheet '

l film field edit sheet <

1 field edit report

None

3 76-40 forms

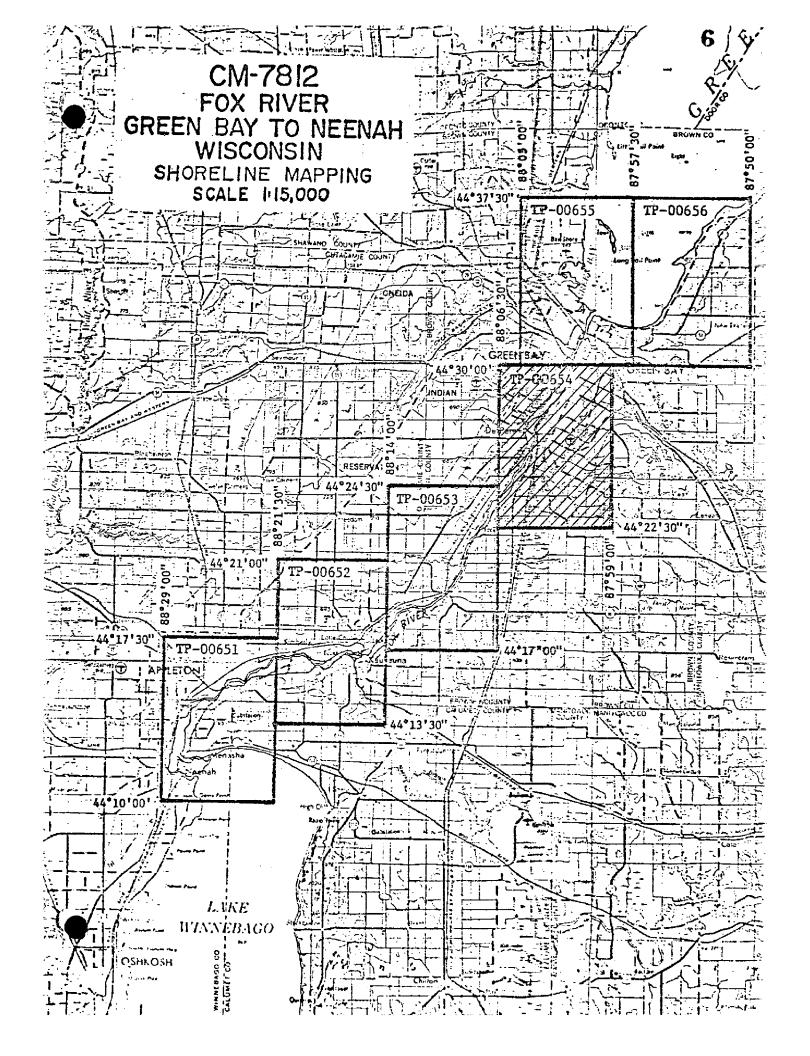
NOAA FORM 76-36D

(3-72)

U. S. DEPARTMENT OF COMMERCE

TP-00654 RECORD OF SURVEY USE

			RECO	KD OF SUKVE	A OZE				
I. MANUSC	RIPT COPIES								
	co	MPILA	TION STAGE	S			DATE MANU	SCRIP	T FORWARDED
	DATA COMPILED		DATE	RE	MARKS		MARINE CHA	RTS	HYDRO SUPPORT
-	ation complete g field edit	Jur	ne 19 81	Class III Superse		ipt	None		None
	edit applied ation complete	Aug	3. 1982	Class I ma	anuscript	t .	None		None
Final	Review	Мат	ch 1983	Final Map			4/11/8	335	None
			;						
	ARKS AND AIDS TO NAVIGA		<u> </u>						
1. REP	ORTS TO MARINE CHART D	IVISIOI T	N, NAUTICAL	DATA BRANCH	<u> </u>	-			
(pagges)	CHART LETTER NUMBER ASSIGNED	FO	DATE RWARDED			REM	ARKS		
3	31383		4/11/83	Landmarks	s for cha	arts			
1	rat	-	, tt	Landmarks	s to be 1	revise	ed	<u>-</u> -	
			·					_	
	_								
						·			
					<u></u>				
2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED:									
3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED:									
2. 🔯	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENT SOURCE DATA (except for G ACCOUNT FOR EXCEPTION	F CAT	ION CARDS;	X FORM NO	SX SEX SUBMI	TTED BY	FORM 76-36C.	IES.(76-40 forms
4 🗀	DATA TO FEDERAL RECO	ROS CE	ENTER. DAT	E FORWARDED:	DEPT	EMBL	R 1983		
IV. SURVE	Y EDITIONS (This section :	shall be			p edition is re				
	SURVEY NUMBER	(2)	JOB NÜMBEI	R		RE	TYPE OF SURV		JRVEY
SECOND EDITION	DATE OF PHOTOGRAP	_ (2) HY	PH	ELD EDIT			MAP CLASS	i	
					□n.	U III.		lv.	FINAL
THIRD	SURVEY NUMBER	_ (3)	108 NUMBER	·		REV	TYPE OF SURV		JRVEY
EDITION	DATE OF PHOTOGRAPI		DATE OF FI	ELD EDIT	<u></u>	⊟րւ.	MAP CLASS	lv.	FINAL :
	SURVEY NUMBER		JOB NUMBER	₹			TYPE OF SURV		
FOURTH	тр	_ (4)	PH			REV	/ISED	RESÜ	RVÉY
EDITION	DATE OF PHOTOGRAPI	НΥ	DATE OF FI	ELD EDIT	 	Π	MAP CLASS		□ e



SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

TP-00654

This 1:15,000 scale final shoreline map is one of six maps, TP-00651 through TP-00656, that comprise project CM-7812, Fox River, Green Bay to Neenah, Wisconsin.

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

This final map features a northern segment of Fox River, as it extends through the city of De Pere, Wisconsin; also, included is a southern portion of East River.

Two flight strips of 1:50,000 scale panchromatic photography were obtained for aerotriangulation May 6, 1978 using the RC-10 "Y" camera. Compilation photography consisted of six flight strips of color photographs taken with the RC-8 "E" camera; this included two strips at 1:30,000 scale taken May 6, 1978 and four strips of 1:20,000 scale taken April 27 and 28, 1978. This photography provided adequate coverage for the project except for the small area at Davis Point mentioned in the compilation report for map TP-00651.

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 and plotting of the manuscripts on the Calcomp 718 plotter were adequately provided by the Washington Science Center in August 1980.

Original compilation was performed at the Coastal Mapping Unit, Atlantic Marine Center, in June 1981. Copies of the Class III map were submitted for field edit.

Field edit was performed in October 1981 by personnel from the Field Surveys Section, AMC. Field data acquired during this edit were returned to the original compilation office and applied in August 1982.

Final review was performed at the Atlantic Marine Center in March 1983. A final Chart Maintenance Print was prepared and submitted for the Marine Chart Branch.

TP-00654

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

FIELD INSPECTION

TP-00654

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 Fox River, Green Bay to Neenah, Wisconsin CM-7812

August 15, 1980

21. Area Covered

The area covered by this report extends from Lake Winnebago, along the Fox River to Green Bay, Wisconsin. The project area is covered by 6 1:15,000 scale sheets; TP-00651 to TP-00656.

22. Method

Two strips of 1:50,000 scale black-and-white photography were bridged by analytic aerotriangulation methods. The strips of bridging photography were controlled by field identified control. Tie points were used to ensure an adequate junction of strips. Points for compilation were established on the 1:30,000 and 1:20,000 scale compilation photography. Ratios of the compilation photography were determined and the ratio prints were ordered by this office.

The manuscript sheets were plotted by the Calcomp 718 plotter.

23. Adequacy of Control

Kaukauna Hunicipal W.T., 1954 was one of the field identified control points for Strip 1. This station and its sub point would not fit with the other control in the strip. These points were off by about 15 feet in the X coordinate. A photo field party working in the area determined a new position for the tank. This new position is +18 feet in the X coordinate compared to the published position and fits well in the strip adjustment.

Also, sub point 2 of Little Tail, 1953 would not fit in the adjustment of Strip 2. It is off by +52 feet in the Y direction. Sub point 1 fits well with the other control and was used in the final adjustment. The control for this project was adequate.

24. Supplemental Data

USGS quadrangles were used to provide vertical control for the adjustment.

25. Photography

The coverage, overlap, and quality of the photography was adequate for the ${\tt job}$.

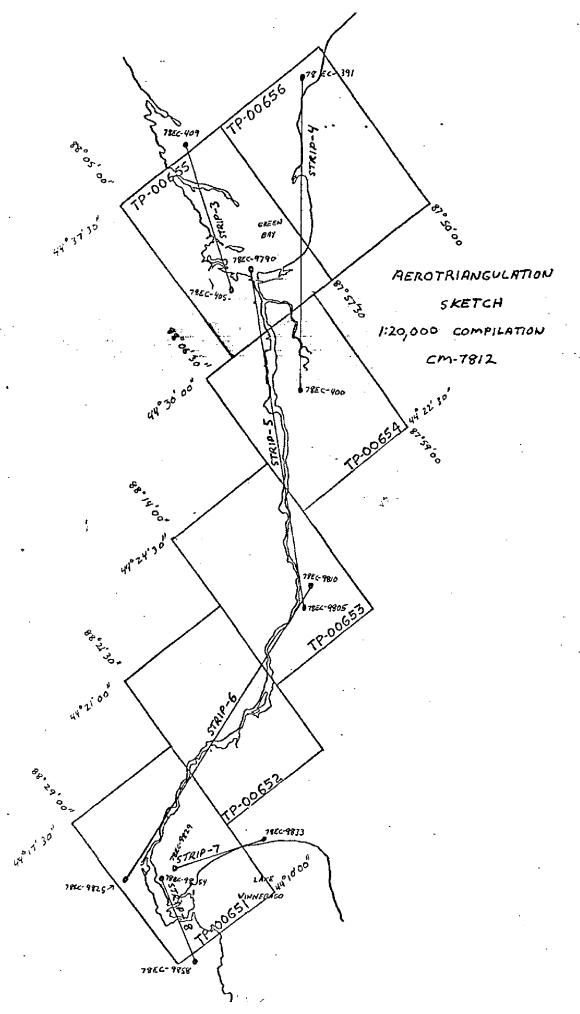
Submitted by,

Brian Thornton

Approved and Forwarded:

Don O. Norman

Chief, Aerotriangulation Section



Adequacy of Control

Strip	# ₁
-------	----------------

Point	X-Etror	Y-Error
217/01	4.058	1.648
2.17102	-2.408	.362
223100	- 1.101	-5.143
223101	- L.785	282
227101	-3.006	-2.630
227/02	.763	2.283
230101	4.449	3.049
230102	1.976	2.812
236101	921	1.180
236102	-1.728	-3.247

Strip #2

198101	3.109	-51.560
198102	.696	536
230101	915	- 874
230102	- 1.253	3.031
227101	1,367	- 3.856
227/02	5.471	-3.501

NOAA FORM 76-41 (6-75)				NATIONAL OCEANIC A	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.
		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	ACTIVITY
TP-00654	CM-/812		NA 192/	N.O.S.	
	SOURCE OF	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	
STATION NAME	INFORMATION (Index)	POINT NUMBER	zone Central	γ LATITODE λ LONGITUDE	KEMAKKS
BOCKTAND, 1953	440882		x = 2.499.171.30	\$ 44°23'11,835"	
	Sta. 1022	45	y = 207,573.89	λ 88005'25.569"	
GREEN BAY, TV STATION	-		χ=	\$ 44°24'35.014"	
, 195	" 1045	42 A	<i>y</i> =	λ 88000'04.871"	
ASHWAITBENON BED OWL STORES	ř		×	\$ 44028'59.04"	
1953	" 1038	39	-β	λ 88°03'08.91"	
ASHWAIRENON MINICIPAL WATER	11		= χ	φ 44°29'19,669"	
	" 1037	38	y=	λ 88°02'35,692"	
ſ			<i>χ</i> =	\$ 44°29'04,472"	
WOODROW, 1953	" 1030	36	ή=		
CREENBAY RADIO STATION	440873		x=	\$ 44°28'40.811"	
	1039	35	ĥ=	λ 87059 58.603"	,
RAST DEPENDE (HSTS) 1872	88		χε	\$ 44°24'19.455"	
• ()	" 1008	42	y=	λ 88 ⁰ 00'26.773"	
			<i>=</i> χ	φ	
			<i>у</i> =	γ	
			<i>π</i> χ.	-63-	
			η=	γ	
			-χ	Ф	
			<i>β</i> =	۲	
COMPUTED BY A. Rauck		08/91/6/80	COMPUTATION CHECKED BY D	D. Butler	DATE Sept. 16, 1980
LISTED BY A. Rauck		PATF15/80		D. Butler	pASEpt. 15, 1980
HAND PLOTTING BY D. Butler		0ATE 3/3/81	HAND PLOTTING CHECKED BY	Willie Connally	March 3, 1981
		SUPERSEDES	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	CH IS OBSOLETE.	1

COMPILATION REPORT

TP-00654

31 DELINEATION

Delineation was by instrument compilation methods using the Wild B-8 stereoplotter. The 1:20,000 and 1:30,000 color photography provided adequate coverage. Photographs ratioed as indicated on Form 76-36C were processed for field edit.

32. CONTROL

Refer to the Photogrammetric Plot Report dated August 15, 1980.

33. SUPPLEMENTAL DATA

Copies of a 1963 survey of Fox River by the U.S. Army Corps of Engineers (scale 1:5,000) were used for comparison.

34. CONTOURS AND DRAINAGE

Contours were not applicable. Drainage was delineated by the Wild B-8 and office interpretation of the ratio photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline and alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the ratio photographs.

36. OFFSHORE DETAILS

No unusual problems

37. LANDMARKS AND AIDS

There were $\underline{24}$ landmarks and $\underline{0}$ aids within the limits of this manuscript. Of these, $\underline{21}$ landmarks were located photogrammetrically. Preliminary 76-40 forms were prepared for field edit.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

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

TP-00654

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated August 15, 1980.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. quadrangles Bellevue, Wisconsin, and De Pere, Wisconsin, 1:24,000 scale, dated 1954, photorevised 1971.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 14916, 1:15,000 scale, dated April 7, 1979; also with chart #14918; 1:25,000 scale; August 4, 1979, 21st edition.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by,

γF. Margiotta

Cartographic Technician

June 1981

Approved,

√ James L. Byrd, Jr.

Chief, Coastal Mapping Unit

ADDENDUM TO THE COMPILATION REPORT

TP-00654

FIELD EDIT

The field editor reported the submerged pipeline at Lat. $44^{\circ}27.6$, Long. $88^{\circ}03.5$ to be present but inoperative; no markers above ground locate its position. This pipe is not shown on the manuscript.

Field edit was adequate.

1.

FIELD EDIT REPORT TP-00654 DEPERE

CM-7812 - Fox River: Green Bay to Neenah, WISCONSIN

51 METHODS

This Edit was accomplished in the field by boat, by foot, and by truck. Each question was investigated thoroughly, and is answered on the Discrepancy Print.

52 ADEQUACY OF COMPILATION

The Compilation was found to be very good, and it will be both complete and adequate upon the application of this Edit.

54 RECOMMENDATIONS

None.

56 GEOGRAPHIC NAMES

No changes were encountered on this map.

57 LANDMARKS AND AIDS

All landmarks were inspected from seaward, and they are treated in the proper manner on both the map and on the Form 76-40.

10 October 1981

Submitted by:

Robert S. Tibbetts Chief, Photo Party 62

REVIEW REPORT TP-00654

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 quadrangles:

De Pere, Wisconsin, 1954, photorevised 1971 Bellevue, Wisconsin, 1954, photorevised 1971

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic survey was conducted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Recreational-Craft chart No. 14913, 6th edition, July 25, 1981, sheets 31-33 at 1:15,000 scale and No. 14918, 21st edition, August 4, 1979, 1:25,000 scale.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by,

Jerry L. Hancock Final Reviewer

Approved for forwarding,

Bell H. Barne

Billy H. Barnes

Approved

Chief, Photogrammetric Section, AMC

Chief, Photogrammetric Section, Rockville

Chief, Photogrammetry Branch

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7812 (Fox River, Green Bay to Neenah, Wisconsin)

TP-00654

Allouez

Ashwaubenon Creek

Bower Creek

Chicago & North Western (RR)

Chicago Milwaukee St. Paul & Pacific (RR)

Cooke Park

DePere

DePere Dam

DePêre Lock

Dutchman Creek

East River

East River Park

Fox River

Green Bay

Green Bay Marine Mart

Jones Point

West DePere

Approved by:

Charles E. Harrington Chief Geographer

DISSEMINATION of PROJECT MATERIAL

CM-7812

Fox River, Green Bay to Neenah, Wisconsin

National Archives/Federal Record Center

Box (Contents)

Project Computer Readout Field Notebook including:

NOAA	Forms	76-15
(I	11	75-53
D	П	75-63
n	li .	76-40
п	D	76-65
Ħ	D	76-109
16	11	76-135
11	40	76-184

Highway Bridge Plans
Project Diagrams
Field Edit & Planable Prints
Bridging Photographs
Field Edit Photographs
Project Completion Report

Bureau Archives

Registered Copy of Each Map Descriptive Report of Each Map

Reproduction Division

8x Reduction Negative of Each Map

Office of Staff Geographer

Geographic Names Standard

NOMA FORM 76-40 NOME NOTE NOME NOTE NOTE	STATE g Division e Center Wiscon	2		=	S. DEPARTA	THE COMMERCE	* 41114 4111010	
Stack of 2 Ashwaubenon ank, 1953) Ashwaubenon 953)	STATE gebivision e Center Wiscon		NATIONAL OCE	ANIC AND	ATMOSPHER	OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
TANK TANK	g Division e Center Wiscon	MARKS	FOR CHA	\RTS			HYDROGRAPHIC PARTY GEODETIC PARTY DHOTO FIELD BARTY	¥ ¥ ¥ ¥
TO BE REVISED CONSTAIL STATE TO BE REVISED NOT THE following objects HAVE WAY FROJECT NO. The following objects HAVE WAY FROJECT NO. CM-7812 CM-7812 CM-7812 CM-7812 CM-7812 TANK TANK E Stack of 2 STACK E Stack of 2 STACK TANK (Ashwaubenon, Refrank, 1953) TANK (Ashwaubenon, Mul953) TANK (Ashwaubenon, Mul953) TANK	e Center Wiscon		LOCALITY		!	DATE	COMPLEATION ACTIVITY	 V TY
The following objects HAVE N HAVE OPER PROJECT NO. CM-7812 CM-7812 CM-7812 CM-7812 CM-7812 TANK STACK W Stack of 2 STACK E Stack of 2 STACK Tank, 1953) TANK (Ashwaubenon, Refault (Ashwaubenon, Mul953) TANK TANK TANK (Ashwaubenon, Mul953) TANK TANK (Ashwaubenon, Mul953)	been inspected from		Fox Rive	Fox River-Green	Bay	to Sept.	FINAL REVIEWER OUALITY CONTROL & REVIEW GRP	LA REVIEW GRP.
CM-7812 CHARTING (Record reason for detation name) TANK STACK W Stack of 2 STACK E Stack of 2 STACK TANK (Ashwaubenon, ReTank, 1953) TANK (Ashwaubenon, Mu 1953)		ward to det	seaward to determine their value	ir value as	as landmarks.		(See reverse for responsible personnel)	ible personnel)
DP I PE	SURVEY NUMBER	DATUM						
DP I PE	TP-00654	NA 1	1927			METHOD AND DATE OF LOCATION	E OF LOCATION	
DP TPE			POSITION	NOI		(See instructions on reverse side)	on reverse side)	CHARTS
DP TPE	DESCRIPTION	LATITUDE	UDE	LONGITUDE	TUDE			AFFECTED
K W Stack of 2 K E Stack of 2 K (Ashwaubenon, Tank, 1953) (Ashwaubenon, 1953)	Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	, ,	// D.M.Meters	, ,	// D.P. Meters	OFFICE	FIELD	
K W Stack of 2 K E Stack of 2 K (Ashwaubenon, Tank, 1953) (Ashwaubenon, 1953)		44 27	99.78	88 04	55.27	78 E(C) 9796 27 April 78	V-VIS 19 August 81	14916
E Stack of 2 R CAShwaubenon, Tank, 1953) (Ashwaubenon, 1953)		44 27	47.16	88 03	39.04	78 E(C) 9795 27 April 78	-	14916 14918
DPIPE (Ashwaubenon, Tank, 1953) (Ashwaubenon, 1953)		44 27	46.55	88 03	37.25	78 E(C) 9795	=	: :
(Ashwaubenon, Tank, 1953) (Ashwaubenon, 1953)		44 28	15.39	88 02	06.47 143	78 E(C) 9794 27 April 78	=	= =
(Ashwaubenon, Tank, 1953) (Ashwaubenon, 1953)		44 28	27.25	88 01	46.70	78 E(C) 9794 27 April 78	=	= =
(Ashwaubenon, 1953)	Owl Stores, Water	44 28	59.04	88 03	08.91	78 E(C) 9793 27 April 78	Е	14916 14918
	Municipal Water Tank,	44 29	19,669	88 02	35.6 9 2 788.6	78 E(C) 9793 27 April 78	=	= =
ï		44 29	34.86	88 02	12.30	78 E(C) 9793 27 April 78	¥	: :
STACK		44 29	33.37	88 01	56,86	78 E(C) 9793 27 April 78	Ξ	: t
STACK		44 29	02.27 70	88 01	50.37	78 E(C) 9793 27 April 78	Ξ	= =

A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75 *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods	876	s dat	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 bject. EXAMPLE: 75E(C)6042 8-12-75		FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	POSITIONS DETERMINED AND/OR VERIFIED	OBJECTS (NSPECTED FROM SEAWARD	TYPE OF ACTION	
•	Theodolite Planetable Sextant	OR VERIFIED ta by symbols as follows: Photogrammetric - Visually Field identified	-	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions'No. 64,		R. Tibbetts M. Mozgala	R. Tibbetts	NAME	RESPONSIBLE PERSONNEL
Br 7a	<pre>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V~Vis.' and date. EXAMPLE: V~Vis.</pre>	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is angulation station is recovered Rec.' with date of recovery. EXAMPLE: Triang, Rec. 8-12-75	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	ETHOD AND DATE OF LOCATION' (Instructions' No. 64,					ERSONNEL
8-12-75 IC FIELD POSITIONS are dependent in part, upon control established etric methods.	UALLY ON PHOTOGRAPH te.	ON STATION RECOVERED mark or aid which is also a tri- station is recovered, enter 'Triang. date of recovery. riang. Rec. }-12-75	mmetric field positions** require method of location or verification, field work and number of the photoed to locate or identify the object. P-8-V 8-12-75 74L(C)2982		REVIEWER QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE OFFICE ACTIVITY REPRESENTATIVE	PHOTO FIELD PARTY HYDROGRAPHIC PARTY GEODETIC PARTY OTHER (Specify)		

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.

→ U.S. GOVERNMENT PRINTING OFFICE: 1974-665-073/1030 Region 6

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VEINTER SELECTION	C PARTY	TY Party	ACTIVITY	FINAL REVIEWER QUALITY CONTROL & REVIEW GRP. COAST PILOT BRANCH	onsible personnel)			CHARTS	AFFECTED		1 14916	14916	14916	=	=	z	14916 14918	14916 14918	
7	HYDROGRAPHIC PARTY	PHOTO FIELD PARTY	<u>*[</u>		(See reverse for responsible personnel)		TE OF LOCATION	(See instructions on reverse side)		FIELD	V-VIŠ 19 August 81	=	=	=	=	٠٤	=	Ξ	
Fage 2 of	C ADMINISTRATION		DATE	September n 1981			METHOD AND DATE OF LOCATION	(See instructions		OFFICE	78 E(C) 9796 27 April 78	78 E(C) 9796 27 April 78	78 E(C) 9797 27 April 78	78 E(C) 9797. 27 April 78	78 E(C) 9797 27 April 78	78 E(C) 9797 27 April 78	78 E(C) 9796, 27 April 78	78 E(C) 9796 27 April 78	
S DEPARTM	ATMOSPHER			Bay to Neenah	s landmarks.				LONGITUDE	// D.P.Meters	02.03	15.87 ²	34,35 760	35.63	30.97	29.57	56.87	56.66 1253	
=	EANIC AND			ver en Bay	ir value a			NO.	LONG	, ,	88 03	88 04	88 04	88 04	88 04	88 04	88 03	88 03	
	FOR CH		LOCALITY	Fox River Green	ermine the			POSITION	UDE	// D.M. Meters	31.71	44.61	07.71 238	0 5.18 160	03.82	06.31 195	39.29	41.63	
	NAT WAT	CHAMM			ward to det	DA∓UM	NA 1927		LATITUDE	, ,	44 26	44 26	44 26	7 7 7 7 7 7 7 7 9 7 9 7 9 7 9 7 9 9 9 9	44 26	44 26	44 26	44.26	٠
	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION WITHOUT CALL CALL CALL CALL CALL CALL CALL CAL		STATE	Division Center Wisconsin	been inspected from seaward to determine their value as landmarks.	SURVEY NUMBER		TP-00654	z	k or aid to navigation. • applicable, in parentheses)			WBAY ´				·		
			REPORTING UNIT	Coastal Mapping Division Atlantic Marine Center Norfolk, Varine Center	HAVE X HAVE NOT	JOB NUMBER		CM-7812	DESCRIPTION	Record reeson for deletion of landmark or ald to nevigation. Show triangulation station names, where applicable, in parentheses)			N. Tower, formerly	'W. Tower	S. Tower	E. Tower			
07-70	}	S Form 567.	ARTED	/ISED LETED	ects	No.				(Record n Show trie			WGEE	= ,	=	:		:	
NOAA FORM 7	(8-74)	Replaces C&GS Form 567	X TO BE CHARTED	TO BE REVISED TO BE DELETED	The following objects	OPR PROJECT NO.				NAME	TANK	SPIRE /	R MAST	R MAST	R MAST	R MAST	STACK	SPIRE	

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 *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods	DETERMINED plicable dat P - Vis		=	FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		BOSTIONS OFFERNINGS AND/OR VERIFIED	OBJECTS INSPECTED FROM SEAWARD	TYPE OF ACTION	
d of	OR VERIFIED ta by symbols as follows: Photogrammetric - Visually Field identified	month, to	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE O		M. Mozgala	R. Tibbetts	R. Tibbetts	NAME	RESPONSIBLE PERSONNEL
III. POSITION VERIFIED VISUAL Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSIT entirely, or in part, upon by photogrammetric methods.	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is angulation station is recovered Rec. with date of recovery. EXAMPLE: Triang. Rec. 8-12-75	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	ETHOD AND DATE OF LOCATION?						RSONNEL
ERIFIED VISUALLY ON PHOTOGRAPH is.' and date. V-Vis. 8-12-75 IC FIELD POSITIONS are dependent in part, upon control established etric methods.	ION RECOVERED aid which is also a tri- is recovered, enter 'Triang. recovery. Rec.	<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>		REVIEWER QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	X PHOTO FIELD PARTY HYDROGRAPHIC PARTY GEODETIC PARTY OTHER (Specify)	, ,	

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.

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							Page 3	01 4	
(8-74)			NATIO	NAL OCEAN	LIC AND A	TMOSPHER	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	TIVITY
Replaces C&GS Form 567.	:m 567.	MONIFICATING AIDS OR LANDWARKS FOR CHARTS	DMARKS F	OR CHAR	ST.			GEODETIC PARTY PHOTO FIELD PARTY	· ·
T)TO BE CHARTED	l	STATE	- 	LOCALITY			DATE	COMPILATION ACTIVITY	VITY
TO BE REVISED	For tal Mapping Division Atlantic Marine Center	"Division Genter Wisconsin		-	; ; ;	7	September 1981	FINAL REVIEWER QUALITY CONTROL & REVIEW GRP.	G REVIEW GRP.
The following objects		cted from	seaward to determine their value as landmarks.	rmine their	value as	value as landmarks.		(See reverse for responsible personnel)	ble personnel)
OPR PROJECT NO.		SURVEY NUMBER	DATUM						
			NA 1927	2.7			METHOD AND DATE OF LOCATION	E OF LOCATION	
	CM-7812	TP-00654		POSITION	z		(See instructions on reverse side)	on reverse side)	CHARTS
8	NOLTEROSSIC	NO	LATITUDE	DE	LONGITUDE	UDE			AFFECTED
CHARTING	Record reason for deletion of landmark or ald to navigation. Show triangulation station names, where applicable, in perentheses)	ark or ald to navigation. ere applicable, in parenthesea)	/ 0	// D.M. Meters	/ 0	// D.P.Meters	OFFICE	FIELD	
STACK	E. Stack of 3		44.26	55.04	88 04	07.49	78 E(C) 9796 27 April 78	V~VIS 19 August 81	14916 14918
STACK	N. W. Stack of 3		44 26	54.94 8 1696	88 04	09.23	78 E(C) 9796 27 April 78	=	= =
STACK	S. W. Stack of 3		44 26	54.69 8 1688 8	88 04	09.09 201	78 E(C) 9796 27 April 78	Ξ	= =
STACK			44 27	16.55 8 511 8	88 04	35.91 794	78 E(C) 9796 27 April 78	11	= =
					1				
					1				
					1			·	
					1				

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	RESPONSIBLE PERSONNEL	PERSONNEL	
TYPE OF ACTION	NAME	E	ORIGINATOR
			AND ACCENER OF THE
OBJECTS INSPECTED FROM SEAWARD			GEODETIC PARTY
	R. Tibbetts		OTHER (Specify)
	R. Tibbetts		FIELD ACTIVITY REPRESENTATIVE
	M. Mozgala		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL			REVIEWER
AND REVIEW GROUP AND FINAL REVIEW			QUALITY CONTROL AND REVIEW GROUP
ACTIVITIES			RETRESENT ATTVE
	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,	METHOD AND DATE OF LOCATION' ric Instructions No. 64,	
OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS	ATED OBJECTS	FIELD (Cont'd) B. Photogrammetric fie	mmetric field positions** require
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	(including month, tograph used to bject.	entry of date of f graph use EXAMPLE:	method of location or verification, field work and number of the photo-sed to locate or identify the object. P-8-V 8-12-75 74L(C)2982
FIELD		77C(0) 27C	1
I. NEW POSITION DETERMINED Enter the applicable dat F - Field P - L - Located Vis V - Verified 1 - Triangulation 5 - 2 - Traverse 6 -	OR VERIFIED ta by symbols as follows: Photogrammetric - Visually Field identified Theodolite	II. TRIANGULATION STATION RECOVERED When a landmark or ald which is angulation station is recovered Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75	ON STATION RECOVERED Imark or aid which is also a tri-station is recovered, enter 'Triang. date of recovery. [riang. Rec.]
3 - Intersection 7 - F 4 - Resection 8 - S	Planetable Sextant	ż e	UALLY ON PHOTOGRAPH
sitions*	require entry of method of of field work.	EXAMPLE: V-VIS. 8-12-75	
8-12-75		**PHOTOGRAMMETRIC FIELD PO entirely, or in part, up	RIC FIELD POSITIONS are dependent in part, upon control established
*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	ed by field obser- ground survey methods.	by photogrammetric methods.	ds.

NOAA FORM 76-40 (8-74)

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

TYPE OF ACTION	RESPONSIBLE PERSONNEL	PERSONNEL	ORIGINATOR
			N PHOTO FIELD PARTY HYDROGRAPHIC PARTY
OBJECTS INSPECTED FROM SEAWARD	R. Tibbetts		GEODETIC PARTY OTHER (Specify)
	R. Tibbetts		FIELD ACTIVITY REPRESENTATIVE
TOST TORREST CAMENO AND/OF ACTIFIES	M. Mozgala		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 O (Consult Photogrammetric Instructions No. 64,	OR ENTRIES UNDER METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	
OFFICE IDENTIFIED AND LOCATED OBJECTS	ATED OBJECTS	"	field positions** require
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	tograph used to	entry of method of lo date of field work ar graph used to locate EXAMPLE: P-8-V 8-12-75 74L(C)2982	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
DETERMI plicable	NED OR VERIFIED data by symbols as follows: P - Photogrammetric Vis - Visually	ATION STAT andmark or on station th date of	ION STATION RECOVERED dmark or aid which is also a tri- station is recovered, enter 'Triang. date of recovery.
V - Verified 1 - Triangulation 5 - 2 - Traverse 6 -	Field identified Theodolite	EXAMPLE: Triang. Rec. 8-12-75	•
tion 7 - n 8 -	Planetable Sextant	¿ <	ERIFIED VISUALLY ON PHOTOGRAPH
sitions*	require entry of method of e of field work.	EXAMPLE: V-VIs. 8-12-75	
EXAMPLE: F-2-6-L 8-12-75	- -	**PHOTOGRAMMETRIC FIELD PO	IC FIELD POSITIONS are dependent in part, upon control established
*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	are determined by field obser- ntirely upon ground survey methods.	by photogrammetric methods	ods.

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.

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

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

1. Letter all information.

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

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

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
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