

TP-00655

TP-00655

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-00655	<i>Edition No.</i> 1
<i>Job No.</i> CM-7812	
<i>Map Classification</i> FINAL, FIELD EDITED MAP	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> WISCONSIN	
<i>General Locality</i> FOX RIVER, GREEN BAY TO NEENAH	
<i>Locality</i> GREEN BAY	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 1978 TO 1981 </div>	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00655
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C.-8 "E" (E = 152.71 mm)		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		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				ZONE Central	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 90th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
78 E(C) 0405-0408	5/6/78	11:18	1:30,000	NA	
78 E(C) 9790-9792	4/27/78	13:37	1:20,000	NA	
78 E(C) 0396-0397	5/6/78	11:10	1:30,000	NA	

REMARKS

* Lake level at time of photography was 578.53 feet, Lake Michigan Low Water Datum, Green Bay gage, or 1.73 feet above I.G.L.D.

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 on the photographs which marks the contact between land and water.

*The shoreline datum is constant for this map as it represents the water level of Green Bay, Wisconsin.

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
No survey	TP-00656	TP-00654	No survey

REMARKS

This map and adjacent map TP-00656 represents the northern limit for the project.

TP-00655
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY		
2. HORIZONTAL CONTROL	RECOVERED BY L. Davis	Aug. 1979
	ESTABLISHED BY L. Davis	Aug. 1979
	PRE-MARKED OR IDENTIFIED BY L. Davis	Aug. 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) 4232	Brown, 1953 (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)

2-forms 76-53

TP-00655

HISTORY OF FIELD OPERATIONS

1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	August 1981
2. HORIZONTAL CONTROL	RECOVERED BY C. Middleton	August 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 C. Middleton	August 1981
	LOCATED (Field Methods) BY C. Middleton	August 1981
	IDENTIFIED BY C. Middleton	August 1981
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 C. Middleton	August 1981
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

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) 78 E(C) 0397- - -Cronapaque Ratio (x2.029)
 " 0405--0408 Matte Ratios (x2.030)
 " 9790--9792 Cronapaque Ratios (x1.343)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
78 E(C) 9791 Ratio	Charmin Paper Mills Light (priv. aid)		

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 field edit report ✓ 1 form 76-109 (Hor. Bk.) ✓ 2 forms 76-65
 1 film field edit sheet ✓ 3 forms 76-135
 1 film planetable sheet 2 forms 76-184
 5 76-40 forms ✓ 4 forms 75-63

TP-00655
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	May 1981	Class III manuscript Superseded	None	None
Field edit applied Compilation complete	Sept. 1982	Class I manuscript	None	None
Final Review	March 1983	Final Map	4/11/83	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
1	31383	4/11/83	Landmarks for charts
1	"	"	Nonfloating Aids for charts
3	"	"	Landmarks to be deleted

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. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS. 582 SUBMITTED BY FIELD PARTIES. (76-40 forms)
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

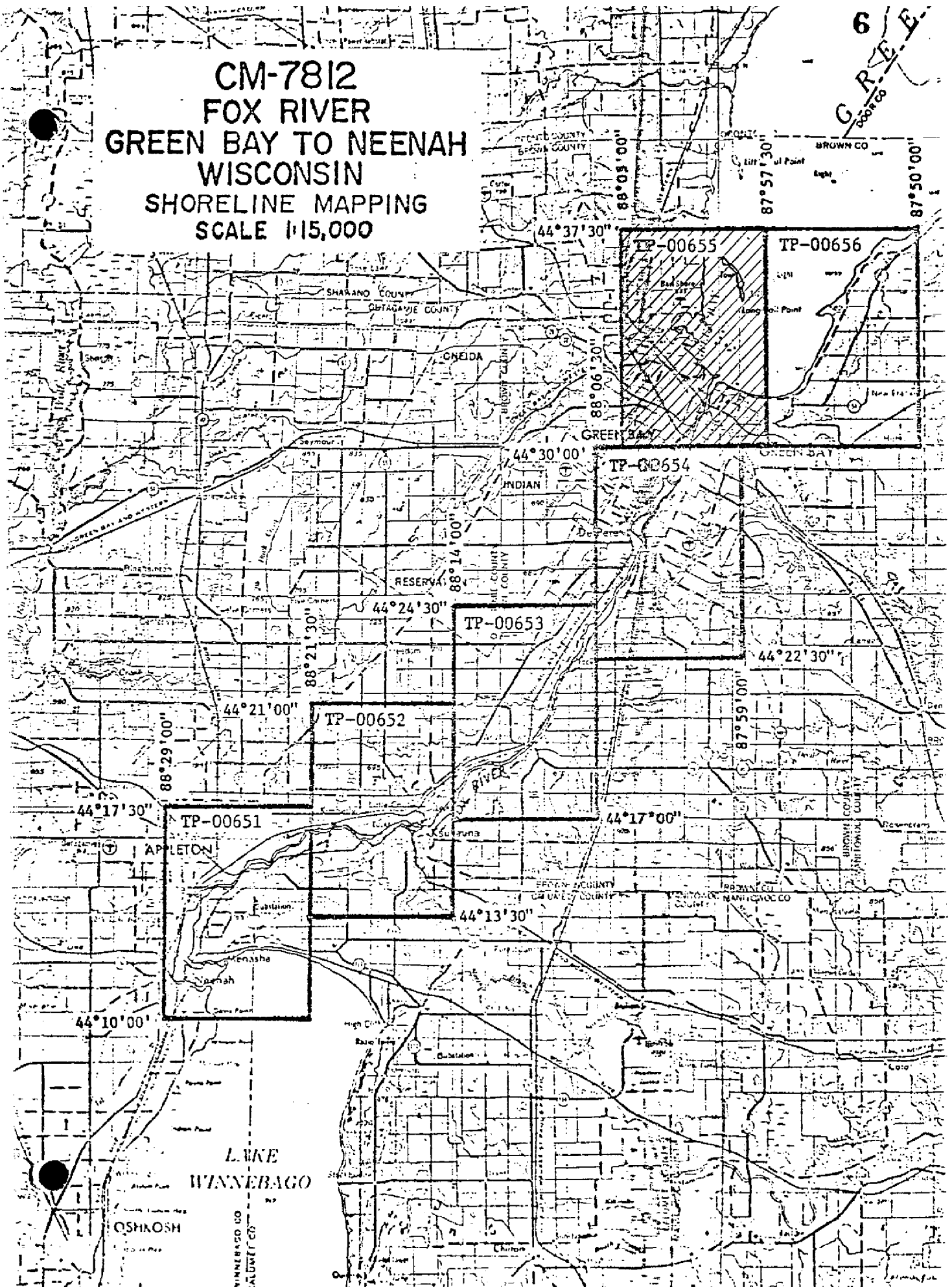
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: SEPTEMBER 1983

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 - _____	<input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	<input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	<input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

CM-7812
FOX RIVER
GREEN BAY TO NEENAH
WISCONSIN
SHORELINE MAPPING
SCALE 1:15,000

6
G.R.E.E.
366/60



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00655

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 southwest portion of lower Green Bay including several offshore islands and the entrance to Fox River. The shoreline datum is constant as there is no water level variation for this map.

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 May 1981. Copies of the Class III map were submitted for field edit.

Field edit was performed in August 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 September 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-00655

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-00655

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 Municipal 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

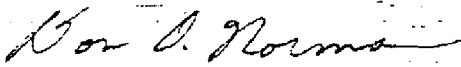
The coverage, overlap, and quality of the photography was adequate for the job.

Submitted by,

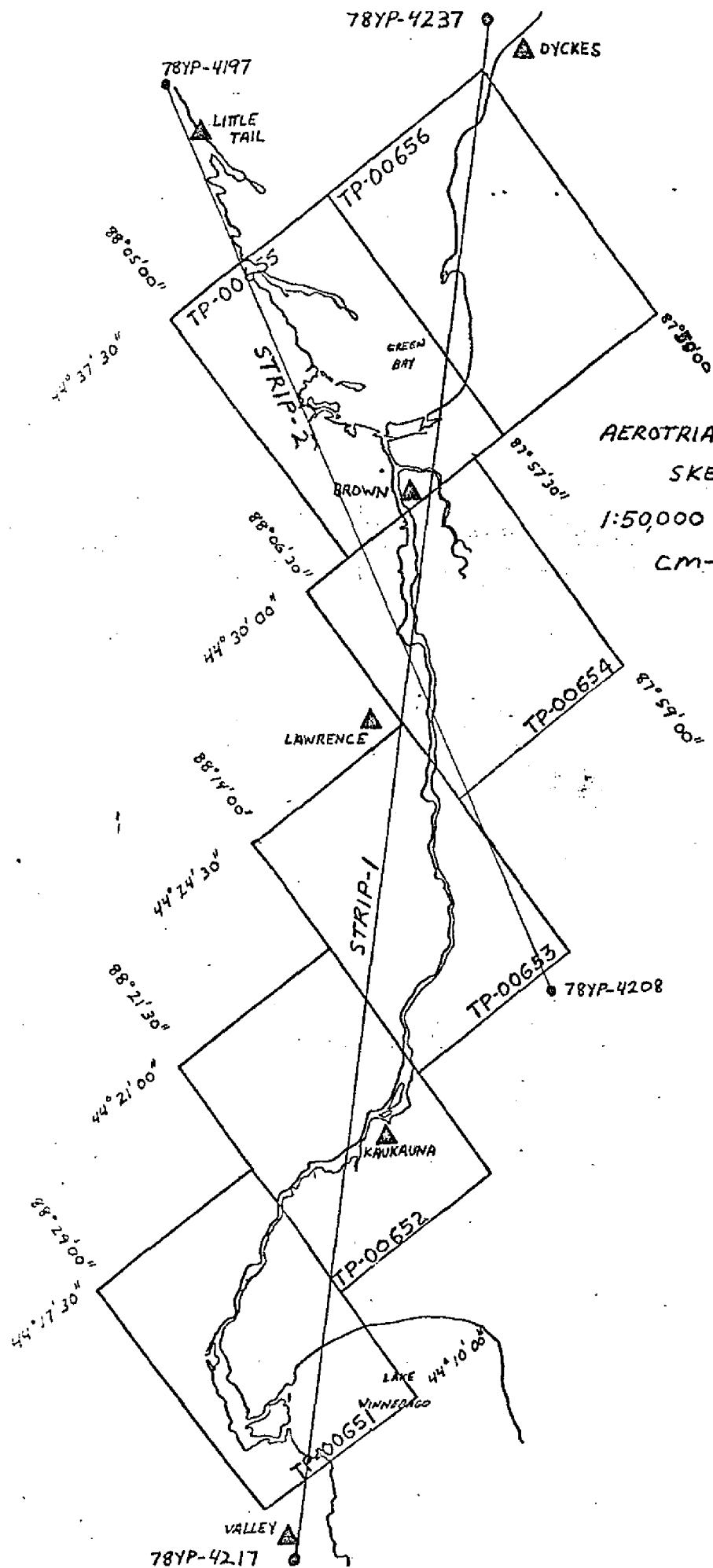


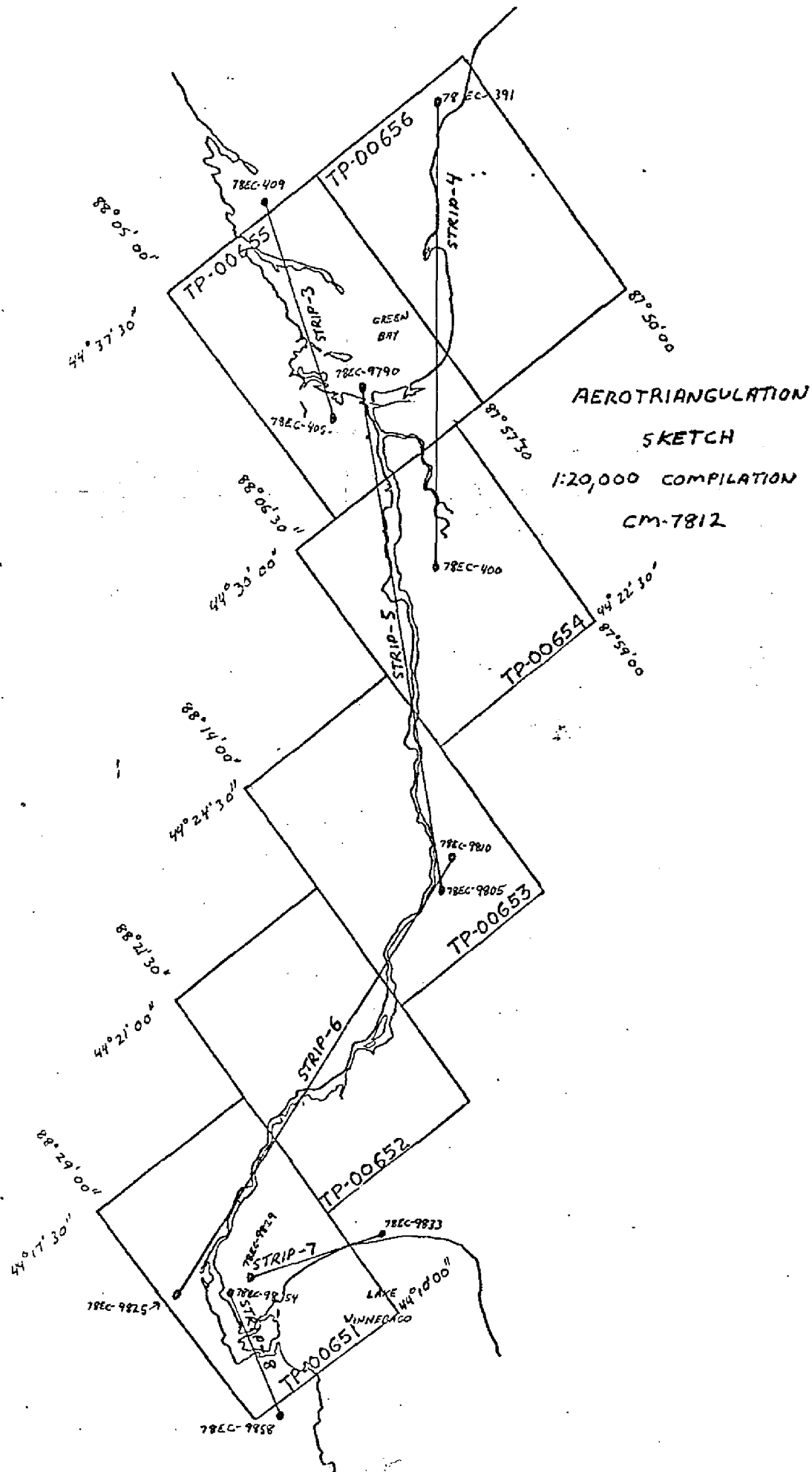
Brian Thornton

Approved and Forwarded:



Don O. Norman
Chief, Aerotriangulation Section





Adequacy of Control

Strip #1

Point	X-Error	Y-Error
217101	4.058	1.648
217102	-2.408	.362
223100	-1.101	-5.143
223101	-1.985	-.282
227101	-3.006	-2.630
227102	.703	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
227102	5.471	-3.501

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM		ORIGINATING ACTIVITY		
					NA 1927	COORDINATES IN FEET STATE Wisconsin ZONE Central	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS	
TP-00655	BROWN, 1953	440881 Sta. 1025	440881 Sta. 1025	230100	X= 2,518,033.81 Y= 253,957.63	φ 44°30'45.278"			
						λ 88°00'50.282"			
	GREEN BAY, NORTH MUNICIPAL WATER TANK, 1953	440881 Sta. 1061	440881 Sta. 1061	30	X= Y=	φ 44°31'36.814"			
						λ 88°00'51.219"			
	GREEN BAY, COUNTY COURTHOUSE, DOME, 1953	" 1062	" 1062	32	X= Y=	φ 44°30'46.371"			
						λ 88°00'50.835"			
	TAIL POINT LIGHTHOUSE, 1921	440874 Sta. 1021	440874 Sta. 1021	11	X= Y=	φ 44°35'03.397"			
						λ 87°58'35.848"			
	GREEN BAY, ST. FRANCIS XAVIER CATHEDRAL, NORTH DOME, 1953	440881 " 1067	440881 " 1067	33	X= Y=	φ 44°30'41.046"			
						λ 88°00'40.549"			
	GREEN BAY, ST. FRANCIS XAVIER CATHEDRAL, SOUTH DOME, 1953	440881 " 1068	440881 " 1068	33	X= Y=	φ 44°30'40.623"			
						λ 88°00'40.849"			
	GREEN BAY INDIAN PACKING COMPANY SMOKESTACK, 1921 GREEN BAY, 1953	440874 " 1038	440874 " 1038	12A	X= Y=	φ 44°30'23.17"			
						λ 87°58'46.36"			
	GREENBAY WEST BASE 2, 1964	440881 " 1037	440881 " 1037	22	X= Y=	φ 44°33'32.121"			
						λ 88°03'21.563"			
					X= Y=	φ			
						λ			
					X= Y=	φ			
						λ			
COMPUTED BY	A. Rauck			DATE	9/16/80	COMPUTATION CHECKED BY	D. Butler	DATE	9/16/80
LISTED BY	A. Rauck			DATE	9/10/80	LISTING CHECKED BY	D. Butler	DATE	9/16/80
HAND PLOTTING BY	F. Margiotta			DATE	3/20/81	HAND PLOTTING CHECKED BY	L. Williams	DATE	3/20/81

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

COMPILATION REPORT

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31. DELINEATION

Delineation was by instrument compilation methods using the Wild B-8 stereoplotter and by office interpretation of the 1:20,000 and 1:30,000 scale color photographs. Photo coverage was adequate. Photographs were ratioed as indicated on form 76-36C and were processed for field edit.

32. CONTROL

The horizontal control was adequate. Refer to the Photogrammetric Plot Report, dated August 15, 1980.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

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

35. SHORELINE AND ALONGSHORE DETAILS

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

36. OFFSHORE DETAILS

No unusual problems.

37. LANDMARKS AND AIDS

There were 35 landmarks and 3 aids within the limits of this manuscript. Preliminary 76-40 forms were prepared for field edit.

38. CONTROL FOR FUTURE SURVEYS

None

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39. JUNCTIONS

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

40. HORIZONTAL AND VERTICAL ACCURACY

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

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the following U.S.G.S. quadrangles: Green Bay West, Wisconsin, and Green Bay East, Wisconsin, both 1:24,000 scale, dated 1954, photorevised 1971.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Recreational-Craft Chart No. 14916, 5th edition, April 7, 1979, sheets 33 and 34 at scale of 1:15,000; and Chart No. 14918, scale 1:25,000, 21st edition, dated August 4, 1979.

A comparison with the charts indicates numerous discrepancies with the charted islands at the entrance to Fox River.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by,

Frank Margiotta
for
Frank Margiotta
Cartographic Technician

Date: April 1981

Approved,

James L. Byrd, Jr.

James L. Byrd, Jr.
Chief, Coastal Mapping Unit

ADDENDUM TO THE COMPILATION REPORT

TP-00655

FIELD EDIT

Field edit was adequate.

FIELD EDIT REPORT
TP-00655
CM-7812

51. Methods

Field Edit was performed as prescribed by the National Ocean Survey Operations Manual, Standard Field Edit Instructions as specific Project Instructions were unavailable as of the date of this report.

The Field Edit was conducted by skiff, truck, and on foot. Several shoreline changes have occurred since the date of the photography which are on the Master Field Edit Print and are cross-referenced to the proper photographs where they were photogrammetrically located. A pier and a spoil area have been added since photography and are cross-referenced from the Master Field Edit Print to the Planetable Sheet where they were located by Planetable-stadia methods.

Field Edit annotations will be found on the Master Field Edit Print and are cross-referenced to the proper photographs or to the Planetable Sheet.

52. Adequacy of Compilation

Adequate pending application of Field Edit.

54. Recommendations

It is obvious through comparison of U.S.G.S. Quads and N.O.S. Charts to this Manuscript that the majority of the Green Bay

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shoreline is of a frequently changing nature. Contact with the U.S. Coast Guard Supervisor (BM-1, Dean White) in Green Bay, Wisconsin has determined that in the Winter months the winds are strong and prevail from the North and Northeast causing extensive erosion to windward shores and that Winter storms are frequently forcefull enough to uproot alongshore trees and other vegetation which comprise a shorelines natural protection against erosion. For this reason it is recommended that the shoreline covered in this sheet (not including the Fox River), with the exception of the shoreline extending Eastward from the mouth of the Fox River which appears to be relatively more resilient in nature, be charted as a frequently changing shoreline. This is exceptionally applicable to the offshore islands and to Long Tail Point.

56. Horizontal Control

Eight Horizontal Control Stations were recovered, Six were found to have been removed or destroyed. NOAA Forms 75-82A are herein submitted

57. Landmarks and Aids

Field Edit determined that the number of Landmarks charted within the limits of this sheet were excessive and were more confusing than of aid to the mariner. Many were deleted for this

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reason and those which have been verified for charting are exceptionally prominent and are strategically located. A previously charted Landmark (Tank, near Howard) which was out of the photographic limits was determined to be of Landmark value and was located by Traverse methods, the Traverse data is included. Another previously charted Landmark (Stack, Charmin Paper Products Co.) which was obliterated by smoke on the photography was located by Sextant cuts which will be found on the Planetable Sheet. In some areas where it was necessary or convenient, a Field Edit Landmark Code was used. The Code is defined on the Master Field Edit Print. No new Landmarks were added and in all, nine Landmarks are to be retained for charting and twenty-six are to be deleted or reclassified as map features.

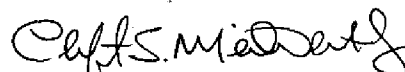
One nonfloating aid was verified, one deleted, one pricked on a photograph, and one added and located by sextant cuts which will be found on the Planetable Sheet.

The appropriate forms 76-40 are submitted for all of the above.

Approved and Forwarded


Robert S. Tibbetts
Chief, Photo Party 62

Submitted 8/21/81


Clifton S. Middleton Jr.
Surveying Technician

REVIEW REPORT TP-00655

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 NGS quadrangles: Green Bay West, Wisconsin, 1954, photorevised 1971
Green Bay East, 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. 14916, 6th edition, July 25, 1981, sheets #33 and #34 at 1:15,000 scale; Chart No. 14918, 21st edition, August 4, 1979, scale 1:25,000 scale and Chart No. 14910, 15th edition, March 17, 1979, scale 1:80,000 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

Jerry L. Hancock
Final Reviewer

Approved for forwarding,

Billy H. Barnes

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,

George M. Bell

Chief, Photogrammetric Section, Rockville

John D. Perrow Jr.
per. Chief, Photogrammetry Branch

March 1, 1983

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00655

Baird ~~River~~

Changed to "Creek" as currently published. JTH.

Birds Tree Island

Cat Island

Chicago Milwaukee St. Paul & Pacific (RR)

Dead Horse Bay

Duck Creek

Duck Creek (Ppl)

East River

Fox River

Grassy Island

Green Bay

Green Bay (Ppl)

Green Bay & Western (RR)

Green Bay West Shores Wildlife Area

Haegers Corners

Long Tail Marine

Long Tail Point

Peats Lake

Peters Marsh

Preble

Willow Island

Approved by:

Charles E. Harrington

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
" "	75-53
" "	75-63
" "	76-40
" "	76-65
" "	76-109
" "	76-135
" "	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

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY		
REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE		
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		Division Atlantic Marine Center Norfolk, VA		Wisconsin Green Bay to Neenah		August 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 CM-7812		SURVEY NUMBER TP-00655		DATUM NA 1927		
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			
STACK		44 31	25.69 793	88 00	20.83 460	Not visible on 1978 photography (due to stack smoke)	P-8-L 18 Aug. 81 Planetable sheet	14916 14910 14918
TANK	(Green Bay, North Municipal Water Tank, 1953)	44 31	36.814 1136.3	88 00	51.219 1131.0	78 E(C) 9791 27 April 78	V-VIS Triang. Rec. 11 Aug. 81	14916 14918
TOWER		44 32	01.03	88 00	37.44	78 E(C) 9790 27 April 78	V-VIS 6 Aug. 81	" "
TOWER		44 31	55.41	88 00	21.58	"	"	" "
TOWER		44 32	22.83	88 00	23.75	"	"	" "
TOWER		44 32	07.56	88 00	15.21	78 E(C) 9790 27 Apr. 78	V-VIS 6 Aug. 81	" "
TOWER		44 30	45.47	88 01	15.69	78 E(C) 9792 27 Apr. 78	V-VIS 7 Aug. 81	14916
TOWER		44 30	42.26	88 01	09.43	78 E(C) 9792 27 Apr. 78	V-VIS 7 Aug. 81	"
TANK		44 33	29.81 920	88 04	12.87 284	Beyond photo limits	F-2-6-L 17 Aug. 81	14918

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	C. Middleton
POSITIONS DETERMINED AND/OR VERIFIED	C. Middleton
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	M. Mozgala
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 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 8-12-75 *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	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.

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY							
<input type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input checked="" type="checkbox"/> TO BE DELETED				REPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Division Atlantic Mapping Center Norfolk, VA				LOCALITY Fox River Green Bay to Neenah				DATE August 1981			
The following objects HAVE <input checked="" type="checkbox"/> BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.				STATE Wisconsin				CHARTS AFFECTED							
OPR PROJECT NO.				JOB NUMBER CM-7812				SURVEY NUMBER TP-00655				DATUM NA 1927			
CHARTING NAME				DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)				POSITION LATITUDE LONGITUDE D.M. Meters D.P. Meters				METHOD AND DATE OF LOCATION (See instructions on reverse side)			
* TOWERS				Coast Guard West Tower (aban. lighthouse)				44 32 12.48 88 00 16.09				78 E(C) 9790 27 April 78			
* TOWERS				Coast Guard East Tower (aban. light-house)				44 32 10.84 88 00 11.43				78 E(C) 9790 27 April 78			
* CHIMNEY								44 31 58.08 87 59 37.21				78 E(C) 9790 27 April 78			
* STACK				Wisconsin Public Service Corp; 1 of 7 stacks.				44 32 27.45 88 00 28.90				78 E(C) 0405 6 May 78			
* STACK								44 32 26.26 88 00 28.11							
* STACK								44 32 25.70 88 00 28.55							
* STACK								44 32 24.80 88 00 28.57							
* STACK								44 32 23.89 88 00 29.19							
* STACK								44 32 22.97 88 00 29.84							

4/8/81

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	C. Middleton
POSITIONS DETERMINED AND/OR VERIFIED	C. Middleton
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	M. Mozgala
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 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 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 TO BE REVISED TO BE DELETED		Coastal Mapping Division Atlantic Marine Center Norfolk, VA		Wisconsin		Fox River Green Bay to Neenah		August 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		POSITION		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED			
		CM-7812		TP-00655		NA 1927									
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)		LATITUDE ° / ' " D.M. Meters		LONGITUDE ° / ' " D.P. Meters		OFFICE		FIELD		CHARTS AFFECTED			
STACK	*			44 32	21.96	88 00	30.63	78 E(C) 0405	6 August 81	Not of land- mark value	14916 14918				
STACK	*			44 33	14.51	88 02	29.66	78 E(C) 0405	6 May 78	"	"	14918			
DOME	*	(Green Bay County Courthouse, Dome, 1953)		44 30	46.371 1431.3	88 00	50.835 1122.8	78 E(C) 9791	27 April 78	Triang. Rec. Not of land- mark value	14916 14918				
SPIRE	*			44 30	44.24	88 00	55.46	"	"	Not of land- mark value	14916				
RADIO RELAY TOWER	*			44 30	42.18	88 00	50.06	"	"	"	"	14918			
CHIMNEY		West, congested, not compiled, not of landmark value		44 30	55.08	88 00	15.51	"	"	"	14916				
CHIMNEY		East, congested, not compiled, not of landmark value		44 30	54.89	88 00	15.10	"	"	"	"	"			
STACK	*	American Can Co.		44 31	13.19	88 00	24.72	78 E(C) 9791	27 April 78	"	"	14910 14918			
TANK	*	American Can Co.		44 31	19.37	88 00	20.34	78 E(C) 9791	27 April 78	"	"	"			
	*	Field editor indicates excessive land- marks are confusing and recommends dele- tion or revision to map features.													

1/8/81

TYPE OF ACTION		RESPONSIBLE PERSONNEL	
		NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD		C. Middleton	<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		C. Middleton	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW		M. Mozgala	OFFICE ACTIVITY REPRESENTATIVE
ACTIVITIES	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.			

TYPE OF ACTION		RESPONSIBLE PERSONNEL	
		NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD		C. Middleton	<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		C. Middleton	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		M. Mozgala	OFFICE ACTIVITY REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'			
(Consult Photogrammetric Instructions No. 64.)			
OFFICE		FIELD (Cont'd)	
I. OFFICE IDENTIFIED AND LOCATED OBJECTS		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	
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		II. TRIANGULATION STATION RECOVERED	
I. NEW POSITION DETERMINED OR VERIFIED		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	
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		III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH	
A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-1 8-12-75		Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75	
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.		**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	C. Middleton
POSITIONS DETERMINED AND/OR VERIFIED	C. Middleton
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	M. Mozgala
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 1. 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 8-12-75	11. 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. 8-12-75 111. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGAMMETRIC 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.	

