

TP-00360

TP-00360

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
<i>Map No.</i> TP-00360	<i>Edition No.</i> 1
<i>Job No.</i> CM-8412	
<i>Map Classification</i> CLASS III, (FINAL)	
<i>Type of Survey</i> SHORELINE	
<h2>LOCALITY</h2>	
<i>State</i> MICHIGAN	
<i>General Locality</i> SAINT MARYS RIVER	
<i>Locality</i> ALBANY BAY	
<div style="border: 1px solid black; padding: 5px; display: inline-block;">           19 84 TO 19         </div>	
<h2>REGISTERED IN ARCHIVES</h2>	
<i>DATE</i>	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00360	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL	MAP EDITION NO. (1)		
				<input type="checkbox"/> RESURVEY	MAP CLASS III (Final)		
				<input type="checkbox"/> REVISED	JOB RH-CM-8412		
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit Atlantic Marine Center, Norfolk, Virginia OFFICER-IN-CHARGE  A. Y. Bryson, CDR				LAST PRECEEDING MAP EDITION			
				TYPE OF SURVEY		JOB PH.	
				<input type="checkbox"/> ORIGINAL	MAP CLASS		
				<input type="checkbox"/> RESURVEY	SURVEY DATES:		
				<input type="checkbox"/> REVISED	19__ TO 19__		
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation - October 18, 1984  Compilation - April 5, 1985				Horizontal Control - April 19, 1984 (Premarking)			
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER Water level <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify)  International Great Lakes Datum (1955)			
3. MAP PROJECTION  Transverse Mercator Projection				4. GRID(S)			
				STATE Michigan		ZONE East	
5. SCALE 1:20,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				L. Harrod		Jan 1985	
METHOD: Analytic LANDMARKS AND AIDS BY				L. Harrod		Jan 1985	
2. CONTROL AND BRIDGE POINTS PLOTTED BY				W. McLemore		Apr 1985	
METHOD: Xynetics 1201 CHECKED BY				W. McLemore		Apr 1985	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				W. McLemore		Jun 1985	
COMPILATION CHECKED BY				J. Byrd & F. Mauldin		Jun 1985	
INSTRUMENT: Wild B-8				CONTOURS BY		N.A.	
SCALE: 1:20,000				CHECKED BY		N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				W. McLemore		Jun 1985	
CHECKED BY				F. Mauldin		Jul 1985	
METHOD: Smooth Drafted				CONTOURS BY		N.A.	
CHECKED BY				N.A.			
SCALE: 1:20,000 HYDRO SUPPORT DATA BY				N.A.			
CHECKED BY				N.A.			
5. OFFICE INSPECTION PRIOR TO <del>FINAL REVIEW</del> Final Review				F. Mauldin		Jul 1985	
6. APPLICATION OF FIELD EDIT DATA BY				N.A.			
CHECKED BY				N.A.			
7. COMPILATION SECTION REVIEW Class III BY				F. Mauldin		Jul 1985	
8. FINAL REVIEW Class III BY				J. Hancock		Jul 1985	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				J. Hancock		Jul 1985	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				P. DEMOSEY		SEPT 1985	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				E. L. DAUGHERTY		SEP 1985	

TP-00360  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C. - 10(Z) (Z = 153.15 mm) ✓		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE ZONE Eastern MERIDIAN 75th <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
<del>WATER LEVEL GAGE</del> Water Level Gage <input type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS ✓ <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY					
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF <del>xxxx</del> River Level	
84 Z(P) 3715-3716 ✓	5-16-84 ✓	08:50 ✓	1:40,000 ✓	579.53 ft. ✓	
84 Z(P) 3752-3754 ✓	5-16-84 ✓	09:09 ✓	1:40,000 ✓	579.53 ft. ✓	
84 Z(P) 3790-3794 ✓	5-16-84 ✓	09:58 ✓	1:40,000 ✓	579.53 ft. ✓	

## REMARKS

\*Water level at the time of photography is indicated as recorded from the DeTour Village, Michigan gage. ✓

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The term "mean high water line" is not applicable. The shoreline is defined as the visible line of contact on the photographs between land and water. Delineation of the shoreline was derived by photointerpretation of the above listed black-and-white compilation/bridging photographs.

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

This item is not applicable to the project.

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

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

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00357 ✓	TP-00361 ✓	No Survey ✓	No Survey ✓

## REMARKS

TP-00360

## HISTORY OF FIELD OPERATIONS

1. ☒ FIELD INSPECTION OPERATION (Premarking) ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Dunford	May 1984
2. HORIZONTAL CONTROL	RECOVERED BY N.A. ESTABLISHED BY N.A. PRE-MARKED OR IDENTIFIED BY N.A.	
3. VERTICAL CONTROL	RECOVERED BY N.A. ESTABLISHED BY N.A. PRE-MARKED OR IDENTIFIED BY N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY N.A. LOCATED (Field Methods) BY N.A. IDENTIFIED BY N.A.	
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 N.A.	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

## 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)

N.A.

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)

Project Field Report

TP-00360  
RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	July 1985	Class III Manuscript	None	None
Final Review, Class III	July 1985	Final Class III Map	8-9-85	8-9-85

## 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		8-9-85	Landmark for Charting

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

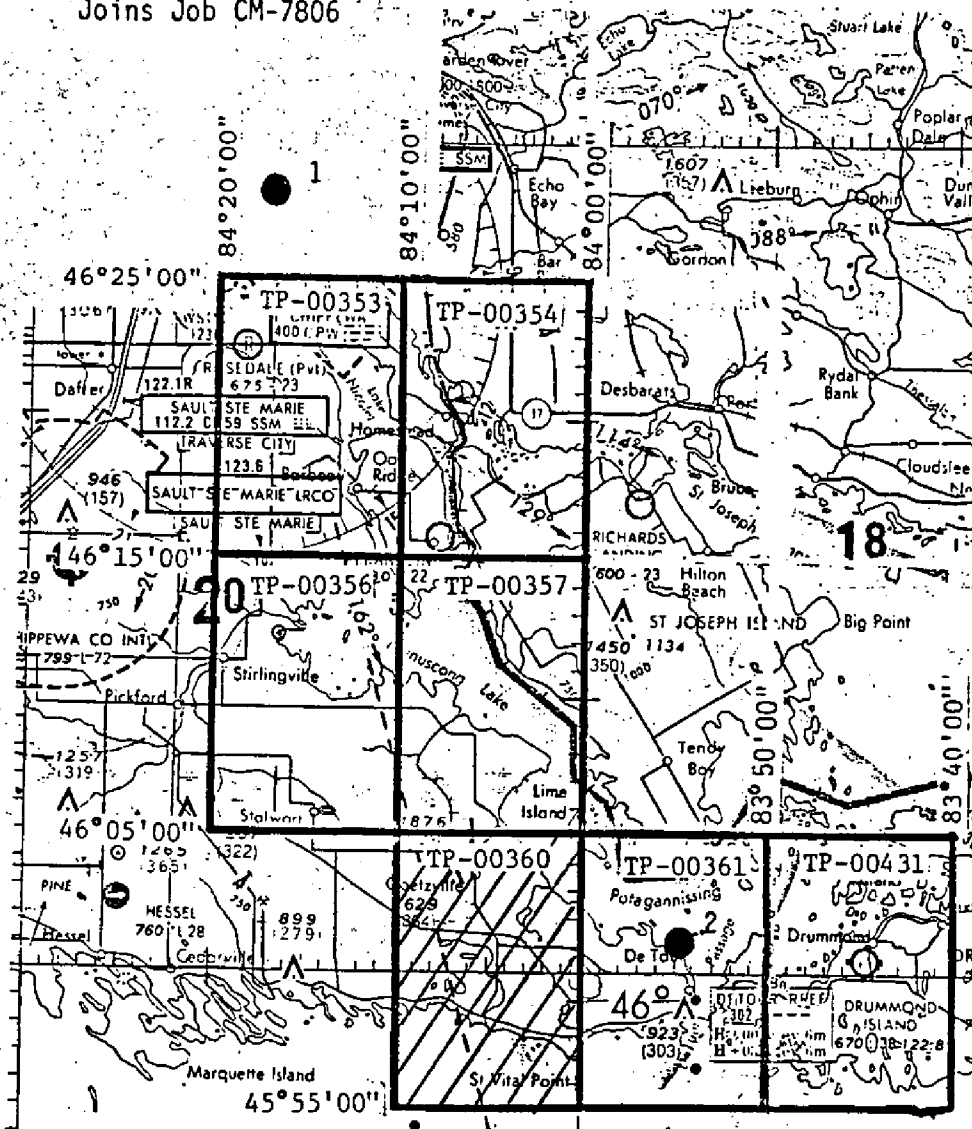
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 76-40 ~~387~~ SUBMITTED BY FIELD PARTIES.  
3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

## IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY 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 - _____	TYPE OF SURVEY <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 - _____	TYPE OF SURVEY <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	

Joins Job CM-7806



● = Water Level Gage Site

- 1 - Frechette Point
- 2 - Detour Village

JOB CM-8412  
SAINT MARYS RIVER  
SUGAR ISLAND TO POTAGANNISSING BAY  
MICHIGAN  
SHORELINE MAPPING  
SCALE 1:20,000

6

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00360

This 1:20,000 scale final Class III shoreline map is one of 7 maps (TP-00353, TP-00354, TP-00356, TP-00357, TP-00360, TP-00361, and TP-00431) that comprise project CM-8412, Sugar Island to Potagannissing Bay, St. Marys River, Michigan. This project junctions with a previous project, CM-7806, which features the northern region of St. Marys River.

This map portrays shoreline along the northern coast of Lake Huron just west of DeTour Passage and a small segment of St. Marys River, southwest of Lime Island.

The purpose of this map is to provide current charting information for nautical chart maintenance and to furnish shoreline support data for hydrographic survey operations.

Field work prior to photography was adequately provided in May 1984. This involved the recovery, establishment and identification (premarking) of horizontal control necessary for aerotriangulation. There was no field inspection performed.

Photo coverage was adequately provided by 1:40,000 scale panchromatic photography taken May 16, 1984 with the Wild RC-10(Z) camera. At the time of photography, a water level reading of 579.53 was recorded at the DeTour Village, Michigan gage. This established the shoreline datum for the map based on the 1955 International Great Lakes Datum.

Analytic aerotriangulation was adequately provided by the Washington Science Center in January 1985. Included in the bridge are two supplemental horizontal control substations previously photoidentified for adjoining project CM-7806. Aerotriangulation activity also included determining ratio values for the photographs and locating some of the visible navigational aids.

Compilation was performed at the Coastal Mapping Unit, Atlantic Marine Center in July 1985. Delineation of map detail was accomplished using stereo instrument methods based upon interpretation of the mapping photographs.

Final review was performed at the Atlantic Marine Center in July 1985. A Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch. Also, a Notes to Hydrographer Print was prepared for future hydrographic activity.

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

## FIELD INSPECTION

TP-00360

There was no field inspection prior to compilation. Field work accomplished consisted of aerial photography and the recovery, establishment, and identification (premarking) of horizontal control necessary for aerotriangulation.



PHOTOGRAMMETRIC PLOT REPORT  
CM-8412  
Saint Marys River, Michigan  
January 1985

21. Area Covered

The area covered by this report is in the vicinity of the Saint Marys River from Sugar Island Southeastward to Potagannissing Bay, Michigan. It is covered by seven 1:20,000-scale manuscripts; TP-00353, TP-00354, TP-00356, TP-00357, TP-00360, TP-00361, and TP-00431.

22. Method

Eight strips of 1:40,000-scale photographs were bridged by analytic aerotriangulation methods and adjusted to ground on the Michigan State Plane Coordinage System, Michigan East Zone, using our Analytic Strip Adjustment program. Panned control was provided. Aids and landmarks were located on bridging photographs. Ratio values were determined for the 1:40,000-scale bridging photographs. A magnetic tape for plotting points and for ruling the base manuscripts were prepared. The Traverse Mercator projection was used.

23. Adequacy of Control

The horizontal control provided, proved to be adequate, was sparse in some areas. Tie points were used to supplement these areas. DIKE 387, 1984 Horizontal Panel No. 4 would not fit with the tie points and control points of the adjacent strip. The lack of fit is -19.86 feet in X and 6.51 feet in Y. It was not used in the adjustment. All positions established by aerotriangulation methods meet the National Standards of Map Accuracy.

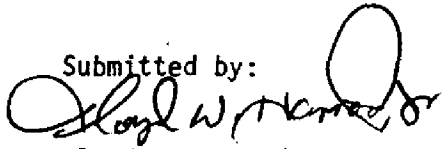
24. Supplemental Data

Vertical control was taken from USGS quads.

25. Photography

The coverage and quality of the photographs proved adequate for the project in most cases. The end lap in model 3810-3811 in strip 7 was computed to be about 51 percent, which is below the desired amount. This made it difficult to select and read pass points in some areas.

Submitted by:

  
Lloyd W. Harrod, Jr.

Approved and Forwarded:

  
Don O. Norman  
Chief, Aerotriangulation Unit

Saint Marys River  
Michigan  
CM-8412

Fit to Control -X and Y in Feet

<u>STRIP 1</u>				<u>PT. NO.</u>	<u>X</u>	<u>Y</u>
2	Home	CHS(9598)	1981 Horizontal Panel No. 2	(774100)	-1.2	7.5
Δ 2A	"	"	" " Sub. Sta. A	(774101)	-1.6	7.7
Δ 12A	55 USLS -	Sugar Island	East Base 1878	(773101)	-3.5	3.9
	Tie from	Strip 2		(742801)	1.6	0.4
	Tie	"	" "	(744801)	-0.1	-3.9
	Tie	"	" "	(745801)	1.2	-2.8
	Tie	"	" "	(746801)	0.6	-2.2
	Tie	"	" "	(747801)	0.1	-2.8
	Tie	"	" "	(748801)	2.7	-0.6
	Tie	"	" "	(749801)	-0.7	0.3
	Tie	"	" "	(750801)	0.5	-1.1
	Tie	"	" "	(751801)	-0.7	1.0
<u>STRIP 2</u>						
Δ 1	Cass	1943		(739100)	-0.1	-0.6
Δ 3	Ref. Mon.	16, 1911		(747100)	-0.5	3.4
Δ 5	Kolos	1984		(752100)	-0.1	-4.4
Δ 6	Ramp	1984		(755100)	-3.1	-0.1
	Tie from	Strip 6		(793803)	2.8	1.6
<u>STRIP 3</u>						
	Tie from	Strip 2		(748804)	-1.2	-0.8
	Tie	"	" "	(746804)	1.7	1.0
	Tie	"	" "	(745805)	-0.2	0.9
	Tie	"	" "	(744805)	0.5	-2.4
	Tie	"	" "	(743801)	1.0	-0.9
	Tie	"	" "	(742804)	-2.1	-1.6
	Tie	"	" "	(741805)	-1.0	5.8
	Tie	"	" "	(740801)	1.3	-2.1
<u>STRIP 4</u>						
	Tie from	Strip 6		(792303)	0.5	-3.4
	Tie	"	" "	(792802)	1.0	-4.4
	Tie	"	" 2	(713802)	-4.2	5.0
	Tie	"	" "	(714801)	-1.1	2.0
	Tie	"	" "	(715801)	1.7	0.9
	Tie	"	" "	(716801)	1.5	0.4
	Tie	"	" "	(717801)	1.2	0.8
	Tie	"	" "	(718802)	-1.2	-0.7
	Tie	"	" "	(719801)	-1.8	-0.7

STRIP 5

	Tie from Strip 3	(721801)	-0.5	0.3
	Tie " " "	(722801)	0.4	-0.4
	Tie " " "	(719804)	1.0	-0.6
	Tie " " "	(720801)	-0.9	0.7
	Tie " " "	(700100)	-19.9	6.5
4	Dike 387, 1984			

STRIP 6

Δ 7	McKay 1984	(788100)	-0.6	-0.0
Δ 8	Tour 1980	(793100)	3.8	-0.1
8A	Tour 1980 Sub Pt. A	(793110)	3.8	-0.8
	Tie from Strip 7	(811803)	1.4	1.6
	Tie " " "	(813801)	-1.1	-3.5
	Tie " " "	(815801)	-2.7	-1.0
	Tie " " "	(818801)	-2.4	1.9
	Tie " " "	(818803)	-2.3	2.1

STRIP 7

Δ 11	Clear 388 1984	(809100)	0.3	-0.1
Δ 10	Marina 1984	(813100)	-1.3	0.2
Δ 9	State 1984	(815100)	1.5	0.3
Δ 6	Ramp 1984	(818100)	-0.4	-0.1

STRIP 8

	Tie from Strip 7	(811805)	0.2	0.2
	Tie " " "	(813804)	0.7	-0.2
	Tie " " "	(816804)	-3.2	-1.0
	Tie " " "	(817806)	2.0	-1.2
	Tie " " "	(817807)	1.7	0.1
	Tie " " "	(817808)	-0.7	2.0

Δ Stations held in the strip adjustments

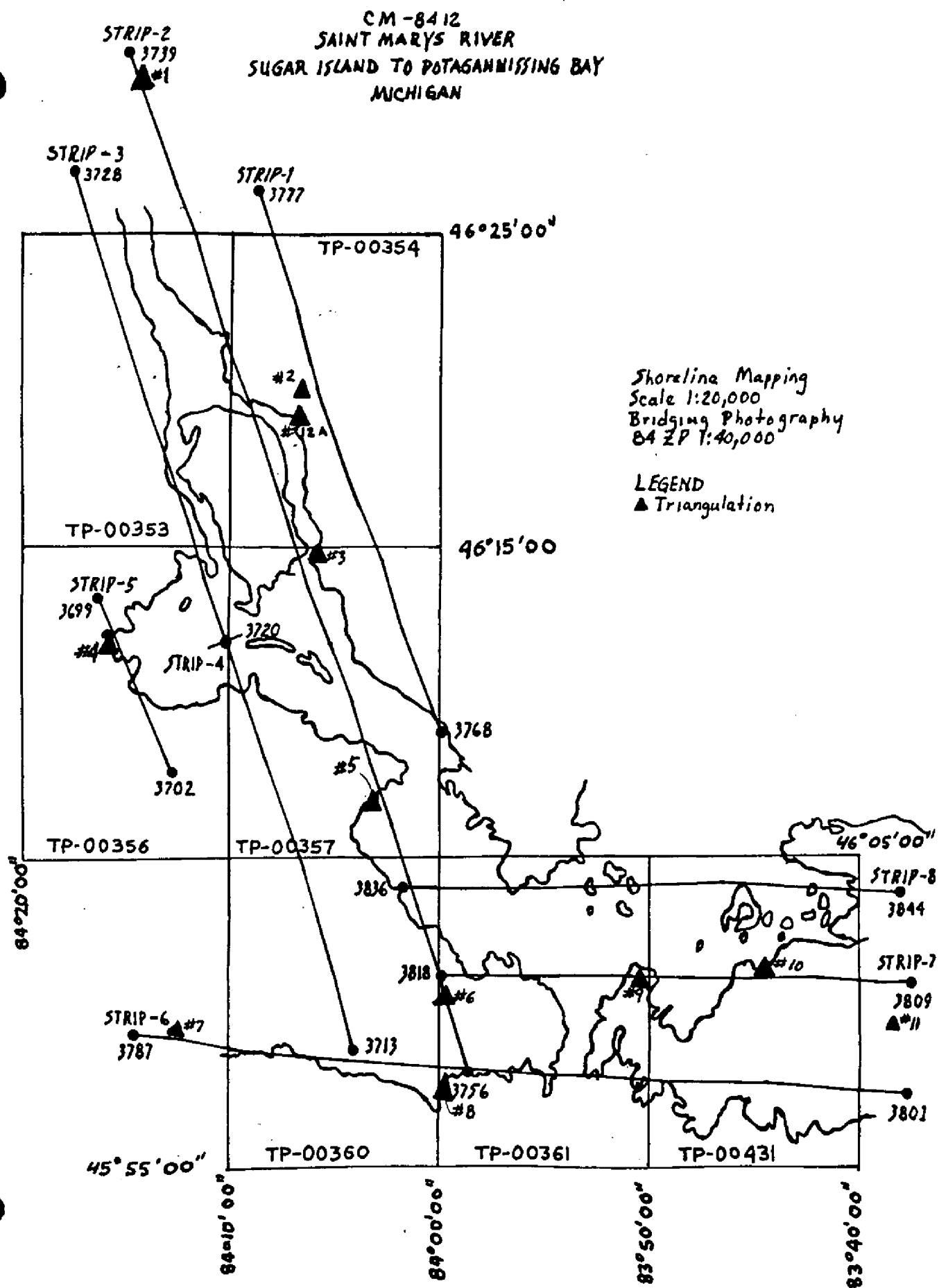
## Saint Marys River, Michigan

CM-8412

January 1985

Ratio values for 1:40,000 scale, black and white bridging  
photographs.

84 ZP 3768-3777	x2.03
3739-3756	x2.03
3720-3728	x2.03
3713-3720	x2.04
3699-3702	x2.05
3790-3801	x2.04
3811-3818	x2.04
3836-3844	x2.04



## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM		GEOGRAPHIC POSITION		REMARKS
				COORDINATES IN FEET STATE Michigan ZONE East	N.A. 1927	$\phi$ LATITUDE $\lambda$ LONGITUDE	ORIGINATING ACTIVITY Unit, AMC, Norfolk, VA	
TP-00360	CM-8412	NONE		X=		$\phi$		
				Y=		$\lambda$		
				X=		$\phi$		
				Y=		$\lambda$		
				X=		$\phi$		
				Y=		$\lambda$		
				X=		$\phi$		
				Y=		$\lambda$		
				X=		$\phi$		
				Y=		$\lambda$		
				X=		$\phi$		
				Y=		$\lambda$		
COMPUTED BY	DATE			COMPUTATION CHECKED BY				DATE
				LISTING CHECKED BY				DATE
				HAND PLOTTING CHECKED BY				DATE

COMPILATION REPORT  
TP-00360

31 - DELINEATION

Delineation was accomplished using stereo instrument compilation methods. Instrument compilation was used to delineate shoreline, alongshore, and interior detail based upon office interpretation of the 1:40,000 scale bridging/compilation black-and-white photographs.

All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate.

32 - CONTROL

The horizontal control was adequate. Refer to the Photogrammetric Plot Report, dated January, 1985.

33 - SUPPLEMENTAL DATA

A comparison was made with the following Canadian chart:  
L/C 2200, 43rd edition, dated October 26, 1984, scale 1:400,000.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was compiled by office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore details were compiled from office interpretation of the photographs. The shoreline compiled was the visible line of contact between land features and the water surface at the time of photography. Based on the International Great Lakes Datum (1955) the water level taken at DeTour Village, Michigan gage was 579.53 feet.

36 - OFFSHORE DETAILS

Offshore details were compiled by instrument methods as described in item #31.

37 - LANDMARKS AND AIDS

There was 1 charted landmark, and no charted aids within the mapping limits of this manuscript. The 1 landmark was located photogrammetrically. Appropriate information was prepared on the 76-40 form and submitted with this map.

38 - CONTROL FOR FUTURE SURVEYS

None.

TP-00360

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

See Item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. and Canadian Quadrangles:

Prentiss Bay, Michigan; dated 1964; scale 1:24,000

Albany Island, Michigan; dated 1964, scale 1:24,000

Goetzville, Michigan-Ontario; dated 1964; scale 1:24,000

Sault Ste. Marie, Canada-USA; 41K; dated 1977; scale 1:250,000; edition 2.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS chart:

14882, 27th edition, scale 1:40,000, dated October 2, 1982

14880, 26th edition, scale 1:120,000, dated December 12, 1981

14881, 24th edition, scale 1:80,000, dated September 11, 1982

14860, 29th edition, scale 1:500,000, dated March 10, 1984.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

*William T. McLemore, Jr.*

William T. McLemore, Jr.

Cartographer

27 June 1985

Approved:

*James L. Byrd, Jr.*

James L. Byrd, Jr.

Chief, Coastal Mapping Unit



JUL 10 1985

## GEOGRAPHIC NAMES

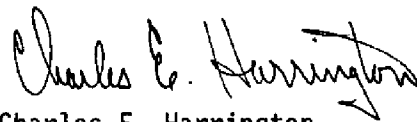
## FINAL NAME SHEET

CM-8412 (St. Marys River, Michigan)

TP-00360

Albany Bay  
Albany Creek  
Albany Harbor  
Albany Island  
Cadogan Point  
Carlton Creek  
Dudley Bay  
Dudley Island  
Huron Point  
Lake Huron  
Lime Island  
Raber Point  
Saddlebag Island  
Saint Marys River  
Stevenson Bay  
Stevenson Point  
Trout Creek

Approved by:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division

REVIEW REPORT  
TP-00360  
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 U.S.G.S. quadrangles:

Prentiss Bay, Michigan; dated 1964

Albany Island, Michigan; dated 1964

Goetzville, Michigan-Ontario; dated 1964.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic survey was conducted prior to this shoreline mapping project.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts:

14882; 27th edition, dated October 2, 1982, 1:40,000 scale

14881; 24th edition, dated September 11, 1982, 1:80,000 scale

14880, 26th edition, dated December 12, 1981, 1:120,000 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.

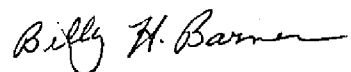
Submitted by:



Jerry L. Hancock  
Final Reviewer

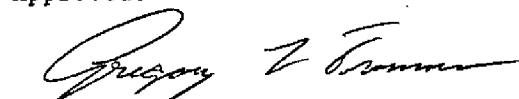
TP-00360

Approved for forwarding:




Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved:



Chief, Photogrammetric Operations,  
Rockville



Chief, Photogrammetry Branch,  
Rockville



RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	W. McElenore, Jr.
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64,	
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> 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	<b>FIELD (Cont'd)</b> <b>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.</b> EXAMPLE: P-8-V 8-12-75 74L(C)2982
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	<b>II. TRIANGULATION STATION RECOVERED</b> 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 <b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

### RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. TP-00360 (CM-8412)

## INSTRUCTIONS

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

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]