#### NOAA FORM 76-35 (6-80)

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

## DESCRIPTIVE REPORT

Map No.	Edition No.
TP-01399	1
Job No. CM 8511	
Map Classification	
Type of Survey	
SHORELINE	
LOCALI	TY
State	
MICHIGAN	
General Locality	
LAKE SUPERIOR	
Locality	
PENDILLS BAY	
19 86° TO	19 🖅:
- REGISTERED IN	ARCHIVES
DATE	

NOAA FORM 76-36A NATIONAL OC	. S. DEPARTMENT OF COMMERCE EANIC AND ATMOSPHERIC ADMIN	Т	YPE OF SURVEY	SURVEY	тр. 01399
	- MIN A MAN	KK	ORIGINAL	MAP EDITI	ON NO. (1)
DESCRIPTIVE REPO	DT DATA DECORD		RESURVEY	MAP CLAS	s III
DESCRIPTIVE REPOR	KI - DATA RECORD		REVISED		жк <u>СМ-8511</u>
PHOTOGRAMMETRIC OFFICE	· · · · · · · · · · · · · · · · · · ·	1 -		·	<del></del>
		-	LAST PRECEEL		TION
Photogrammetry Branch,	Rockville, MD	ַ ב	ORIGINAL	MAP CLAS	
OFFICER-IN-CHARGE			RESURVEY	SURVEY D	
Cdr. A. Y. Bryson		0	REVISED	19TO (	9
I. INSTRUCTIONS DATED			<u> </u>		
1. OF	FICE	<del> </del>	2.	FIELD	<u> </u>
Aerotriangulation	April 20, 1987	Fie	eld	January 2	27, 1986
Office	July 27, 1987				
·					
		Ì			
			•		
II. DATUMS		<u>.</u>			
1. HORIZONTAL:	X 1927 NORTH AMERICAN	OTHE	R (Specify)		
	MEAN HIGH-WATER	OTHE	R (Specify)		<u> </u>
2. VERTICAL:	MEAN LOW-WATER	ł			
	MEAN LOWER LOW-WATER  MEAN SEA LEVEL	Inte	ernational Gre	at Lake D	atum (1955)
3. MAP PROJECTION			4.	GRID(S)	
Transverse Mercator P	rojection	Mich	nigan	zone East	
5. SCALE 1:20,000		STAT	E	ZONE	
III. HISTORY OF OFFICE OPERATION	ONS		· <del></del>	<u> </u>	
OPERA	TIONS		NAME		DATE
1. AEROTRIANGULATION METHOD: Analytical	вч		Taylor		May 1987
2. CONTROL AND BRIDGE POINTS	LANDMARKS AND AIDS BY	N/A	Taylor		May 1987
	bed Plotter CHECKED BY	N/A		,	
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY		Graham		July 1987
COMPILATION INSTRUMENT: Wild B-8	CHECKED BY	N/A	Schad		July 1987
scale: 1:20,000	CONTOURS BY CHECKED BY	N/A			
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	,	Graham		Aug. 1987
	CHECKED BY	J. S	Schad		Aug. 1987
метноо: Smooth Draftin	CONTOURS BY CHECKED BY	N/A			ļ
	HYDRO SUPPORT DATA BY	N/A			
scale: 1:20,000	CHECKED BY	N/A N/A	·		
5. OFFICE INSPECTION PRIOR TO		N/A N/A			
	AV				<del> </del>
6. APPLICATION OF FIELD EDIT D	ATA CHECKED BY	N/A			
7. COMPILATION SECTION REVIEW	ATA CHECKED BY	J. 9	Schad		Oct. 1987
7. COMPILATION SECTION REVIEW 8. FINAL REVIEW	ATA CHECKED BY BY	J. 5	Schad		Oct. 1987 Nov. 9/987
7. COMPILATION SECTION REVIEW	### CHECKED BY  ### BY  RAMMETRIC BRANCH BY	J. 5			Oct. 1987 Nov. 9/987 Nov. 10, 1987

NOAA FORM 76-36B 3-72)					NATIONAL OCE	AN SURVE
		C	OMPILATION S	SOURCES	TP-013	99
. COMPILATION PH	OTOGRAPHY	1				
CAMERA(S)			F PHOTOGRAPHY	TIME REFERENCE	E	
Wild RC-8 (E)		2./1mm		LEGEND	ZONE	
THE STAGE REFERE	-		(C) COLOR	۱ <u> </u>	Eactorn IV	5 T AN DA
REFERENCE STATION RECORDS		(P) PANCH		MERIDIAN	•	
TIDE CONTROLL	ED PHOTOGR	RAPHY	(I) INFRA	RED	7.5th	DAYLIGE
NUMBER AND	TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
86 (E) 6199-6	203	6/02/86	14:55	1:50,000	Water level at to of photography was 601.7 ft. based at Marquette, Mic (Sta.#9018)	as on gaģ
SOURCE OF NEW	( <del>KAKK KRI</del> XK	FRXXXXX SHORFL	INE:			
		既光秋繁 SHOREL ns listed abo				
The ph	otograph	ns listed abo	ve.	E:		
The ph  Source of Mean  N/A	otograph	R OR MEAN LOWER	LOW-WATER LINI		or photogrammetric survey informa	
The ph  SOURCE OF MEAN  N/A  CONTEMPORARY	Otograph  N LOW-WATE  HYDROGRAF	R OR MEAN LOWER	LOW-WATER LINI	ys (hat are sources		
The ph  3. SOURCE OF MEAN  N/A  1. CONTEMPORARY  SURVEY NUMBER  5. FINAL JUNCTION	Otograph  N LOW-WATE  HYDROGRAF	R OR MEAN LOWER	t only those surve	ys (hat are sources		
S. SOURCE OF MEAN	Otograph  N LOW-WATE  HYDROGRAF	R OR MEAN LOWER	t only those surve	ys that are sources	DATE(S) SURVEY CO	

NOAA FORM 76-36B (3-72)

NOAA FORM 76-360 3-72)			NATIONAL OCEA	INIC AND ATMOSPHER	MENT OF COMMERCIC ADMINISTRATIONAL OCEAN SURVE
		HISTORY OF FIELD	OPERATIONS	TP-01399	
I. [X] FIELDXXXXXX	€)ÇX <b>)(0)</b> % OPE	RATION FIELI	EDIT OPERATION		_ <del>_</del>
	OP	ERATION		NAME	DATE
I. CHIEF OF FIEL	D PARTY		J. E. Dunfo	ord	June 1986
		RECOVERED BY	J. E. Dunfo	ord	5/16/86
2. HORIZONTAL C	ONTROL	ESTABLISHED BY	J. E. Dunfo		5/16/86
		PRE-MARKED OR IDENTIFIED BY	J, E. Dunfo	ord	5/16/86
	ITDAI	TANK OF THE RECOVERED BY	N/A		
. VERTICAL CON	IIRQL	ESTABLISHED BY	N/A N/A		
<u>_</u>			N/A		
4. LANDMARKS AT		ECOVERED (Triengulation Stations) BY  LOCATED (Field Methods) BY	N/A		
AIDS TO NAVIG		IDENTIFIED BY	N/A		
		TYPE OF INVESTIGATION	11/2-13		
5. GEOGRAPHIC N		COMPLETE BY			
INVESTIGATION	4	SPECIFIC NAMES ONLY			
		XX NO INVESTIGATION		_ <u></u>	
. PHOTO INSPEC	TION	CLARIFICATION OF DETAILS BY	NONE		<del></del>
. BOUNDARIES A		SURVEYED OR IDENTIFIED BY	N/A		
I. SOURCE DATA I. HORIZONTAL C		NTIFIED	2. VERTICAL COL	NTROL IDENTIFIED	
11 1101112011740	, on the				
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION DE	SIGNATION
86EC 6202  * 3. PHOTO NUMBE	PEN 198				
N/A					
	NO AIDS TO N	AVIGATION IDENTIFIED			<del></del>
NONE					
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJEC.	NAME
	5 5 5				
5. GEOGRAPHIC N	IAMES:	REPORT X NONE	6. BOUNDARY AN	J ID LIMITS: REP	PRT X NONE
7. SUPPLEMENTA					
<u>One Field Wo</u>			. <del>.</del>		
8. OTHER FIELD	RECORDS (SA	etch books, etc. DO NOT list data submit	ted to the Geodesy D	Division)	<del></del>

NOAA FORM 76-36C (3-72)

NOAA FOR (3-72)	.M 76-36D		N.	ATIONAL OCEANIC	U. S. DEPARTMEN AND ATMOSPHERIC	NT OF COMMERCE ADMINISTRATION
		RECO	ORD OF SURVE	Y USE	ŢP.	-01399
I. MANUSC	RIPT COPIES					
	COL	MPILATION STAG	ES		DATE MANUSCRI	PT FORWARDED
Į.	DATA COMPILED	DATE	RE	MARKS	MARINE CHARTS	HYDRO SUPPORT
	Reviewed III Map	Dec. 1987	Chart Mair Print	ntenance		
	Reviewed III Map	Dec. 1987	Notes to Print	Hydrographer		
	ARKS AND AIDS TO NAVIGA					<del></del>
). REP	ORTS TO MARINE CHART DI	[	L DATA BHANCH			<del></del> _
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED			AARKS	
			Listing o	f Landmarks a	nd Aids to Na	avigation
					<u></u>	
			<del> </del>			
	- · · · · · - · · · - · · · · · ·		<u> </u>			
3.	REPORT TO MARINE CHART REPORT TO AERONAUTICAI	L CHART DIVISIO				
III. FEDERAL RECORDS CENTER DATA						
2.	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENTI SOURCE DATA (except for G ACCOUNT FOR EXCEPTION	FICATION CARDS	i; FORM NO	S 567 SUBMITTED B	Y FIELD PARTIES.	
4.	DATA TO FEDERAL RECOR	ROS CENTER, DA	TE FORWARDED:			
	Y EDITIONS (This section 5					
17. 300	SURVEY NUMBER	JOB NUMB		n equition is registered	TYPE OF SURVEY	
SECOND	TP -	(2) PH		☐ RE	VISED RES	
EDITION	DATE OF PHOTOGRAPH	Y DATE OF	FIELD EDIT	] □ □n. □m.	MAP CLASS	FINAL
<del></del>	SURVEY NUMBER	JOB NUMBI	ER	L	TYPE OF SURVEY	
THIRD	тР -	(3) PH		RE	VISED RES	URVEY
EDITION	DATE OF PHOTOGRAPH	TY DATE OF F	FIELD EDIT	]   Du. Dm.	MAP CLASS '	FINAL
	SURVEY NUMBER	JOB NUMB:	ER		TYPE OF SURVEY	
FOURTH	TP	(4) PH		RE	VISED RES	ÜRVĖY
EDITION	DATE OF PHOTOGRAPH	DATE OF	FIELD EDIT	1 □ □ □	MAP CLASS □IV. □V.	□ FINAL

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#### SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT TP-01399

Project CM-8511 consisted of the production of Class III shoreline maps. Five 1:20,000-scale and one 1:5,000-scale maps were compiled. The area compiled extends from Crisp Point to Nadoway Point, Michigan.

The purpose of this map, TP-01399, 1:20,000 scale, is to provide contemporary shoreline data for maintenance of the nautical charting program.

Field operations consisted of aerial photography and the recovery, establishment, and identification (premarking) of horizontal control necessary for aerotriangulation. Twelve horizontal control stations were paneled for use in aerotriangulation. Field operations for project CM-8511 commenced in May 1986 and concluded in June 1986.

Natural color photographs 1:50,000 scale and 1:15,000 scale were taken in June 1986 with the Wild RC-8C(E) camera. Supplemental natural color photographs at 1:30,000 scale were not used for compilation.

Three strips of 1:50,000-scale color photographs were bridged using analytical aerotriangulation methods. One 1:50,000-scale model and one 1:15,000-scale model were bridged using the NOSAP (IDPF system).

Horizontal control stations used in the adjustment were premarked panels. Elevations from U.S.G.S quadrangles were used as vertical control. The amount of aerotriangulated control proved adequate and meets National Standards of Map Accuracy.

Compilation was performed by the Special Project Unit, Rockville Office. This map delineation was based on office interpretation of the natural color photographs using the Wild B-8 stereoplotter and the ratio color photographs. All line work was smooth drafted.

Final review was performed by the Special Project Unit, Rockville office. This map compiles with the project instructions and meets the requirement for the National Standard of Map Accuracy.

The Descriptive Report contains all the information pertinent to the completion of this map.

## FIELD INSPECTION TP-.01399

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.

## AEROTRIANGULATION REPORT CM-8511 CRISP POINT TO NADOWAY POINT, MICHIGAN

MAY 1987

#### 21. AREA COVERED

The area covered by this report is from Crisp Point to Nadoway Point in Lake Superior, Michigan. This area is covered by five 1:20,000-scale manuscripts and one 1:5,000-scale inset that is part of TP-01396. The manuscripts are TP-01395, TP-01396, TP-01397, TP-01398, and TP-01399.

#### 22. METHOD

Three strips of 1:50,000-scale color photographs were bridged and adjusted to the ground using analytic aerotriangulation methods. The measurements were made with the Wild STK comparator. One 1:50,000-scale model and one 1:15,000-scale model of color photographs were bridged and adjusted to the ground with the IDPF system. Tie points were used to supplement control.

Ratio values were determined for the color bridging photographs. No black-and-white infrared photography was secured for this project.

No aids to navigation or landmarks were located during aerotriangulation.

The manuscripts were plotted on the Kongsburg flatbed plotter in the Michigan State Plane Coordinate System, East Zone. This is a Transverse Mercator projection. The data is NAD 27.

#### 23. ADEQUACY OF CONTROL

The horizontal control provided for this project was adequate. Twelve control stations were provided and used in the adjustment. This project meets NOS requirements for map manuscripts.

#### 24. SUPPLEMENTAL DATA

Nautical charts were used to try to locate objects on the color bridging photography. USGS quads were used to obtain elevations to level the strips.

#### 25. PHOTOGRAPHY

The coverage, overlap, and quality of the photographs proved adequate for this project. Some control station panels were difficult to measure due to poor image quality of the photographs.

Submitted by,

James H. Taylor

Approved and Forwarded:

Don O. Norma

Don O. Norman

Chief, Aerotriangulation Unit

# FIT TO CONTROL CM-8511 CONTROL HELD TIE POINT HELD

STATION NAMES	POINT NUMBER	VALUES X	IN FEET Y
STRIP 15-1			
Whitefish Point Hbr N. Brkwtr Lt., 1981 Whitefish Point Hbr In	▲ 861110	0.2	0.0
Brkwtr Lt., 1981	<b>▲</b> 220110	-2.0	-0.8
White, 1965 Sub Station #5 Whitefish Point Hbr. S.	<b>▲</b> 220101	0.2	-0.3
Brkwtr. Lt., 1981 Whitefish Point Lighthouse,	▲861100	1.7	0.2
1965	220120	0.6	1.6
Whitefish Point Red Receiving Twr., 1965	220130	0.5	-1.9
STRIP 50-1			
Pris	<b>▲</b> 227100 <b>▲</b> 230100	0.3	-0.5 1.4
Vermillion, 1965 Betsy, 1965 Sub Station #3	<b>▲</b> 230111	-1.8	
Tie From Strip 50-4	219801		1.9
Tie From Strip 50~4	219802		2.6
Tie From Strip 50-4	219803	-1.3	2.7
Andrus, 1965 Sub Station #4	<b>A</b> 218101	0.0	0.6
STRIP 50-2			
Menekaunce Pt., 1965 Sub	A 204101	0.8	1 4
Station #9 Tie From Strip 50-3	▲ 204101 ■ 193801		-1.8
Tie From Strip 50-3	<b>193802</b>		0.8
Tie From Strip 50-3	<b>1</b> 93803	-0.7	
Tie From Strip 50-3	<b>1</b> 93804	0.7	-0.6
STRIP 50-3			
Pt. Iroquis L.H. Sub Point Sub Station #11 TP Pen, 1986 Tie From Strip 50~2 Tie From Strip 50~2 Tie From Strip 50~2	#12 \$\textsquare\$198101 \$\textsquare\$200101 \$\textsquare\$202100 \$\textsquare\$193801 \$\textsquare\$193803	1.1 -3.8 0.6 1.0 -0.3 0.7	1.6 -1.6 -0.1 1.7 -0.7
Tie From Strip 50-2	193804	-0.7	0.5

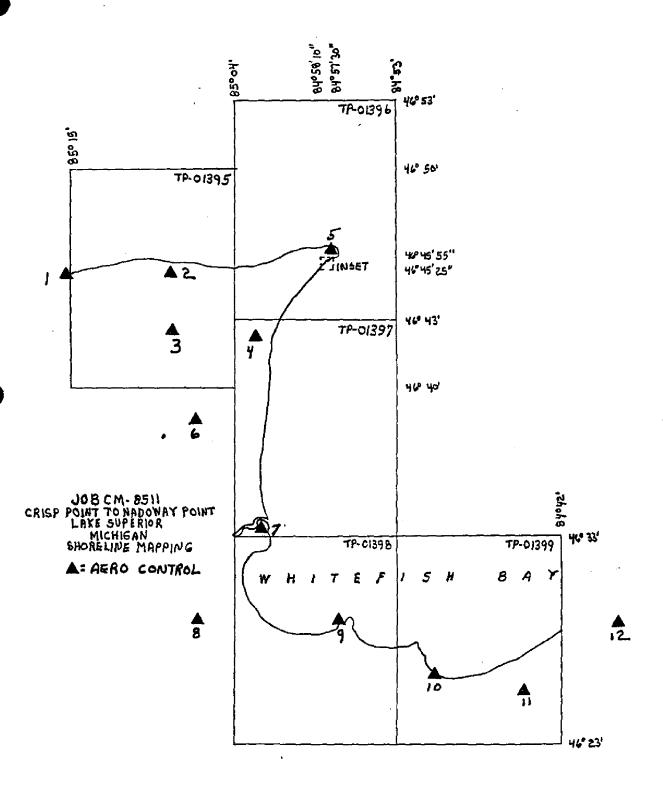
Tie From Strip 50-4 200		
STRIP 50-4	6802 -2. 6803 -3.	0 3.8 2 5.1 6 5.3 5 -0.5
TTO TOTAL TOTAL	6802 2. 6803 3. 3101 -0.	0 -3.8 2 -5.1 6 -5.3 2 0.9 9 -1.4
Prison, 1965 Sub Station #6 Andrus, 1965 Sub Station #4 Tie From Strip 50-1 Tie From Strip 50-2 Tie From Strip 50-3 White, 1965 Sub Station #5	7101 -1. 8101 0. 9801 -3. 9802 -1. 9803 1.	7 1.1 9 2.3 1 -1.9 9 -2.6 3 -2.7 5 -1.5
Whitefish Point Hrb In Brkwtr Lt., 1981 ▲22	0110 -0.	5 1.1

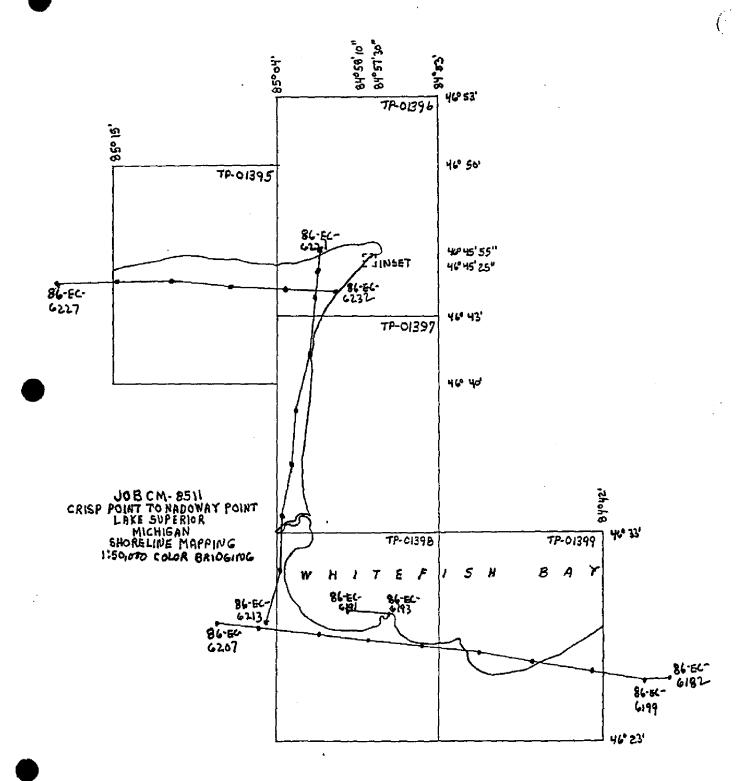
## COLOR BRIDGING RATIO VALUE CM-8511

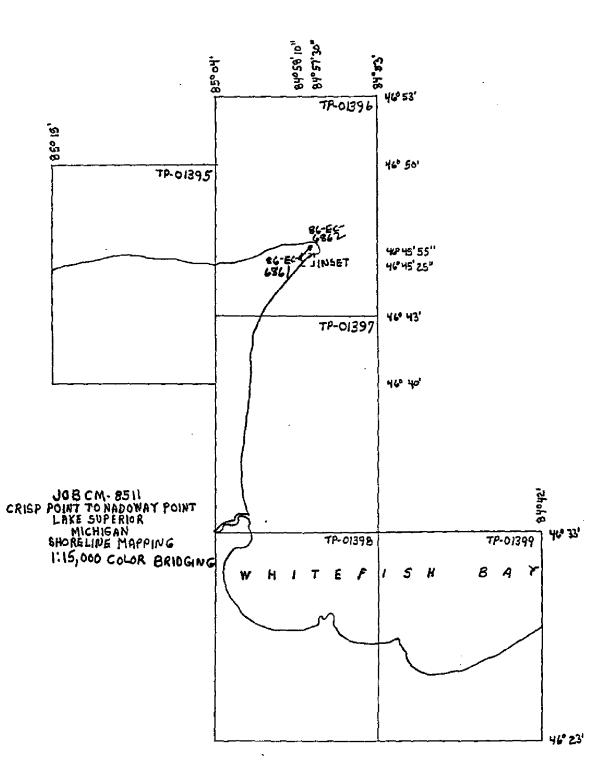
86-EC-6191	and 6193	Ratio	2.580
86-EC-6200	thru 6205	Ratio	2.568
86-EC-6213	thru 6221	Ratio	2.581
86-EC-6228	thru 6231	Ratio	2.583
86-EC-6861	and 6862	Ratio	2.980

## KEY TO NUMBERED STATIONS CM-8511

STATION NAME	PANEL NO.	AERO NO.
Pris	1	227100
Vermillion, 1965	2	230100
Betsy, 1965 Sub Station #3	3	230111
Andrus, 1965 Sub Station #4		218101
White, 1965 Sub Station #5	<b>4</b> 5	220101
Prison, 1965 Sub Station #6	6	217101
Tahqumenon, 1965 Az. Mk.		
Sub Station #7	7	215101
Sub Station #8 TP	8	213101
Menekaunce Pt. 1965		
Sub Station #9	9	204101
Pen, 1986	10	202100
Sub Station #11 TP	11	200101
Pt. Iroquis Lt. Ho.		
Sub Point #12	12	198101







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NOAA FORM 76-41 (6-75)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO. TP-01399	JOB NO. CM-8511		GEODETIC DATUM N.A. 1927	Special Project Rockville MD	ect Unit
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	coordinates in Feet state Michigan zone East	GEOGRAPHIC POSITION Φ LATITUDE λ LONGITUDE	REMARKS
PEN, 1986	CSI#10 Doppler Sta	202100	x=204,424.0514 y=1,805,034.8313	\$46-26-45.139 \text{\tint{\text{\tint{\text{\tint{\text{\text{\text{\text{\text{\text{\text{\text{\tint{\tint{\text{\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\te}\tint{\texi}\text{\text{\text{\text{\text{\texi}\text{\text{\text{\texi}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\texit{\text{\tex{	Direct
	Field Binder		χε	•	
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	ì; ;		χŧ	ф	
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			÷χ	ф	Ţ
			j≈	γ	
			×χ.	ф	
			η=	γ	
			-χ	ф	
			β≈	٧	
COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE
LISTED BY D. Norman		PA-12-86	LISTING CHECKED BY L. W. Har	Harrod, Jr./J. Schad	DATE 12-11-86
		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSEDES NO	ERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE	H IS OBSOLETE.	

## COMPILATION REPORT TP-01399

#### 31. DELINEATION

Delineation of detail was accomplished using a Wild B-8 stereoplotter.

#### 32. CONTROL

Horizontal control furnished by the Aerotriangulation Unit was adequate for controlling the stereomodels. Refer to the Photogrammetric Plot Report bound with this Descriptive Report for additional information.

Vertical control was achieved by using a combination of elevations provided by the Aerotriangulation Unit, USGS quadrangles, and the land/water interface.

#### 33. SUPPLEMENTAL DATA

None

#### 34. CONTOURS AND DRAINAGE

The compilation of contours was not a requirement of this project. Drainage was compiled based on office interpretation of the bridging/compilation photographs.

#### 35. SHORELINE AND ALONGSHORE DETAILS

The visible line of contact between land features and the water was compiled as the shoreline. The water level at the time of photography was 601.7 feet. Shoreline delineation was compiled as described in item 31 of this report.

#### 36. OFFSHORE DETAIL

Offshore detail consisted of a rock and a islet. Offshore detail was compiled by instrument methods as described in item 31 of this report.

#### 37. LANDMARKS AND AIDS

There are no landmarks and aids within the limits of this map.

#### 38. CONTROL FOR FUTURE SURVEYS

None

#### 39. JUNCTIONS

Refer to item 5 of NOAA Form 76-36B, which is bound with this Descriptive Report, for information on map junctions.

#### 40. HORIZONTAL AND VERTICAL ACCURACY

This map meets the National Standards of Map Accuracy. For additional information, refer to the Aerotriangulation Report bound with this Descriptive Report.

41.through 45. - Not Applicable

#### 46. COMPARISON WITH EXISTING MAPS

A comparison has been made with the following 1:24,000-scale, U.S. Geological Survey quadrangles:

Dollar Settlement, Michigan 1951, Photorevised 1976 Pendills Lake, Michigan 1951, Photorevised 1976 McNeary Lake, Michigan 1951, Photorevised 1975

#### 47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Service nautical chart:

14962, 17th Edition (October 12, 1985), scale 1:120,000. 14884, 34th Edition (November 29, 1986), scale 1:40,000.

A Chart Maintenance Print indicating the results of the comparison was forwarded to the Marine Chart Branch, Rockville, Maryland. Refer to the print for items to be immediately applied and carried forward.

Submitted by,

Douglas Draham Douglas Graham Cartographer

Approved and Forwarded:

John A. Mooney Chief, Special Projects Unit

#### GEOGRAPHIC NAMES

#### FINAL NAME SHEET

CM-8511 (Crisp Point to Nadoway Point, Lake Superior, MI)
TP-01399

Dollar Settlement

Grant Creek

Halfaday Creek

Pendills Bay

Pendills Creek

Pendills Lake

Salt Point

Whitefish Bay

Approved:

Charles E. Harrington

Chief Geographer

Nautical Charting Division

### FINAL REVIEW REPORT TP-01399

#### 61. GENERAL STATEMENT

Refer to the Summary bound with this Descriptive Report.

- 62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS-None
- 63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following 1:24,000 scale U.S. Geological Survey quadrangles:

Dollar Settlement, Michigan 1951, Photorevised 1976 Pendills Lake, Michigan 1951, Photorevised 1976 McNeary Lake, Michigan 1951, Photorevised 1975

- 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS-None
- 65. COMPARISON WITH NAUTICAL CHARTS

14962, Scale 1:120,000, 17th Edition, dated October 12, 1985. 14884, Scale 1:40,000, 34th Edition, dated November 29, 1986.

#### 66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map meets the National Standards of Map Accuracy and requirements specified in the Project Instructions.

Submitted by,

Varues & Schad James E. Schad

Unit Reviewer

Approved for Forwarding:

Chief, Special Projects Unit

Approved:

Chief, Photogrammetric Production Section

#### HAUTICAL 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 any, 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.
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			Drawing No.
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