NOAA FORM 76-35 (6-80)

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

DESCRIPTIVE REPORT

Edition No.
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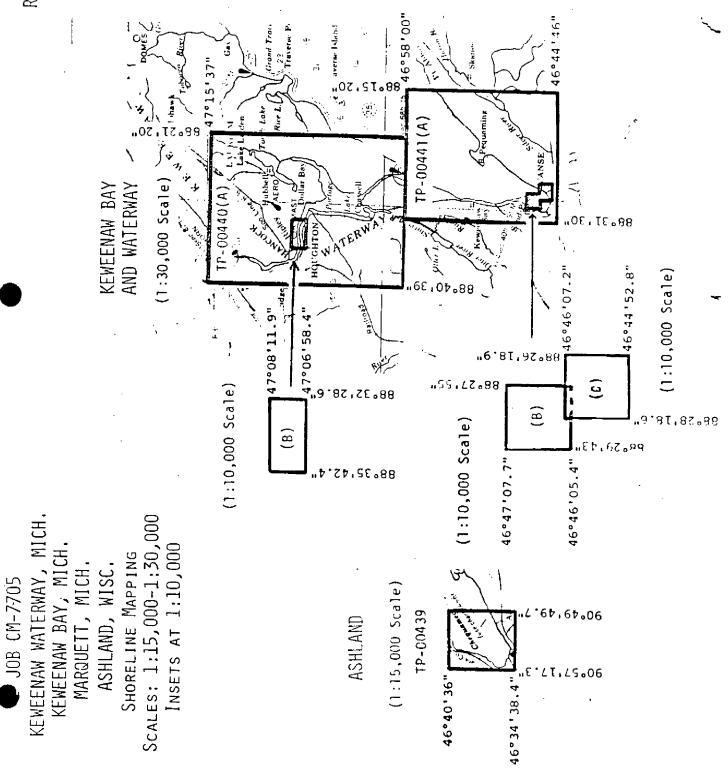
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NOAA FORM 76-36A (3-72) NATIONA	U. S. DEPARTMENT OF COMMERCE L OCEANIC AND ATMOSPHERIC ADMIN.	TYF	E OF SURVEY		SURVEY	тр. <u> </u>	2
	•	10	DRIGINAL	1	MAP EDITI	ON NO.	(1)
DESCRIPTIVE RE	PORT - DATA RECORD		RESURVEY	ļ	MAP CLAS	FINAL	ı
1		. ما	REVISED			RHs CM-7	
PHOTOGRAMMETRIC OFFICE			 -	EEDU			
			E OF SURVEY	EEDII	JOB	PH	-
Coastal Mapping Uni	t, Norfolk, VA	I	DRIGINAL		-	5	
OFFICER-IN-CHARGE		1 =	RESURVEY		SURVEY D		
A. Y. Bryson, CDR		0,	REVISED		19TO 1	9	
I. INSTRUCTIONS DATED		<u> </u>					
	OFFICE			2. 1	FIELD		
		_					-
Aerotriangulation	August 28, 1978		ography			rch 20;	
Compilation	January 18, 1979	Conti			_	ril 11,	
Change No. 2	November 1, 1979	Chang	ge No. 1		J	une 16,	1978
II. DATUMS			.				
		OTHER	(Specify)				
1. HORIZONTAL:	1927 NORTH AMERICAN						
	MEAN HIGH-WATER	OTHER	(Specify)			*	
2. VERTICAL:	MEAN LOW-WATER	Inter	rnational (Grea	t Lakes	Datum (1955)
Z. VENTIONE.	MEAN LOWER LOW-WATER .	Lake	Superior I	WOL	Water Da	tum	
3. MAP PROJECTION	WEAT SEA ESTEE	 			· DIDVE		
		STATE		4. 6	RID(S)		
Lambert Conformal C	onic	Michi	igan		North		
5. SCALE		STATE			ZONE		
1:15,000			·		<u> </u>		
III. HISTORY OF OFFICE OPE						T	
	ERATIONS BY	D TI	NAME nornton			Dec. 1	
I. AEROTRIANGULATION METHOD: Analytic	LANDMARKS AND AIDS BY	D. No				Dec. 1	
2. CONTROL AND BRIDGE POI	NTS PLOTTED BY	1	nornton			Dec. 1	
метноо: Coradomat	CHECKED BY	D. No				Dec. I	
3. STEREOSCOPIC INSTRUMEN	IT PLANIMETRY BY	J. Mo	oler'			Oct. 1	979
COMPILATION	CHECKED BY		uldin			Oct. 1	.979
INSTRUMENT: Wild B		N.A.			 .	ļ	
scale: 1:15.0 4. MANUSCRIPT DELINEATION		N.A.	7			Nov. 1	070
A. MANUSCRIPT DELINEATION	PLANIMETRY BY CHECKED BY	J. Mo	derick			Jan. 1	
	CONTOURS BY	N.A.	Merick			Jan. 1	. 700
метнор: Smooth dra	fted CHECKED BY	N.A.				 	
1-15 000	HYDRO SUPPORT DATA BY	J. Mo	oler			Oct. 1	979
scale: 1:15,000	CHECKED BY	J. Ro	derick			Jan. 1	.980
5. OFFICE INSPECTION PRIOF	······		derick		<u>-</u>	Jan. 1	
6. APPLICATION OF FIELD EL			<u>rgiotta</u>			Sept.	
7 COMPULATION SECTION SEC	CHECKED BY		uldin uldin			Dec. 1	
7. COMPILATION SECTION RET 8. FINAL REVIEW	VIEW BY		uldin Neterer	T۳		Dec. 1	
9. DATA FORWARDED TO PHO			Neterer. Neterer.			Dec. 1	
10, DATA EXAMINED IN PHOTO		<u>Р. На</u>	wkins	<u> </u>		Aug. 1	
11. MAP REGISTERED - COAST			AUGHER	TV			984
NGAA FORM 78-36 A	SUPERSEDES FORM C&GS 181 SERIES						

	(3-72)		TP-00	442			ADMINISTRATION L OCEAN SURVEY
		COM	APILATION	N SOURCES			
	1. COMPILATION PHOTOGRAPHY						
	CAMERA(S)			OF PHOTOGRAPHY		TIME REF	
	Wild RC-10"E" (Focal 1	ength=152.71m	n)	LEGEND	5005		
Į	PREDICTED TIDES N.A.	ı	(C) COL	OR	ZONE		ZSTANDARD
١	REFERENCE STATION RECORD	s N.A.	(P) PAN	CHROMATIC	MERID	tral _	→
١	TIDE CONTROLLED PHOTOGRA		(I) INF	RARED	90t		DAYLIGHT
ł	NUMBER AND TYPE	DATE	TIME	SCALE	- 300	STAGE OF	TIDE
ĺ	77 E(P) 780 - 785	May26,1977	09:52	1:20,00	00 N.A		
ļ	77 E(P) 787 - 791	May26,1977	10:08	1:30,0	00 N.A	١.	
	,						
		-					
1	Low Water Datum, Marqu	t time of pho ette gage and	tography was 0.1	was 600.19 f 9 feet above	eet, Lak Lake Sur	e Superio erior Lou	v Water
}	Datum. 2. SOURCE OF MEAN HIGH-WATER) I (NE.					
ŀ					a . II	1 1 .	1
١	Mean high water l	ine is not ap	plicable	. This "shor	eline" W	as deline	eatea
١	from the above listed photographs which mark	photographs a	na 15 de	elined as that	or Tine vi	rainte ou	the
١	photographs which mark	s the contact	. Detweet	i tand and wat	CI.		
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ļ	3. SOURCE OF MEAN LOW-WATER	OR MEAN LOWER LO	DW-WATER L	INE:		· · · · · · · · · · · · · · · · · · ·	
-	Not applicable.						
	Not applicable.						
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	<u></u>			<u> </u>			
	4. CONTEMPORARY HYDROGRAPI	HIC SURVEYS (List of	only those sur	veys that are sources	for photogran	metric survey	information.)
Ţ	SURVEY NUMBER DATE(5)	SURVEY CO	Y USED	SURVEY NUMBER	DATE(S)	SURV	EY COPY USED
ļ			J				
-					<u> </u>		
ŀ	5. FINAL JUNCTIONS NORTH	EAST	·	SOUTH	- .	WEST	
Ţ	ŀ	No survey	.	No survey		No surv	ev
ŀ	No survey	No Survey		NO BULVEY		110 301 4	
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OAA FORM 76-36(3-72)	-	,	NATIONAL OCEAN	U. S. DEPARTM S AND ATMOSPHERI	ENT OF COMME IC administrat
		TP-0044	2	NATION	AL OCEAN SUR
		HISTORY OF FIELD	OPERATIONS		
FIELD INSP	ECTION OPER	RATION FIEL	D EDIT OPERATION	<u> </u>	-
	OP	ERATION	N.A	ME	DATE
. CHIEF OF FIEL	D PARTY		R. Tibbetts		Tumo 107
		. RECOVERED BY	L. Davis		June 197 June 197
. HORIZONTAL C	CONTROL	ESTABLISHED BY			100110 1257
		PRE-MARKED OR IDENTIFIED BY	L. Davis		June 197
-		RECOVERED BY	None		
. VERTICAL CON	ITROL	ESTABLISHED BY	None		
		PRE-MARKED OR IDENTIFIED BY	None		
	RI	ECOVERED (Triangulation Stations) BY	None		
. LANDMARKS AT		LOCATED (Field Methods) BY	None		
AIDS TO NAVIG	ATION	IDENTIFIED BY	None		
		TYPE OF INVESTIGATION			
. GEOGRAPHIC N INVESTIGATION		COMPLETE			
11002311021101	•	\$PECIFIC NAMES ONLY	1		1
		X NO INVESTIGATION	None		
, PHOTO INSPEC		CLARIFICATION OF DETAILS BY	None N.A.		
. SOURCE DATA		SURVEYED OR IDENTIFIED BY	N.A.		
HORIZONTAL C		NTIFIED	2. VERTICAL CONT	ROL IDENTIFIED	
Photoide	entified		None		
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION DE	SIGNATION
7E(P) 780	USE2, 19		1		
7E(P) 783	PARK, 19]		
7E(P) 784	RAIL, 19				
7E(P) 785	DOGS, 19				
7E(P) 784		, 1955, RM2	1		
, 2(2) , 0 1		, 1555, 1412			
. РНОТО NUMBE	RS (Clarificati	on of details)	<u> </u>		·
	···· (Osamirean	on or acians,			
NONE					
	ND AIDS TO N	AVIGATION IDENTIFIED		_ _	
		·			
NONE			·		
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJECT	NAME
	ı				
	l		<u> </u>		
1			[
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. GEOGRAPHIC N	IAMES:	REPORT X NONE	6. BOUNDARY AND	LIMITS: TREPO	RT X NONE
. SUPPLEMENTA			1	<u></u>	LA HONE
N					
None	DECORDS (S)	tat beats as DO NOT	4-1-4-0-5		<u></u>
		tch books, etc. DO NOT list data submit			•
Forms 76-5	3 (7), Fo	orms $76-177$ (4), Forms 66 and inverses.			

NOAA FORM 76_36 (3_72)	TP-0044 History of Field		AND ATMOSPHERIC	NT OF COMMERCE C ADMINISTRATION AL OCEAN SURVEY
J. [] FIELD INSP	ECTION OPERATION X FIELD	D EDIT OPERATION		
	OPERATION	NAM	E	DATE
1. CHIEF OF FIEL	D PARTY	n		7 1 1000
	RECOVERED BY	R. Tibbetts R. Tibbetts		July 1980 July 1980
2. HORIZONTAL (None	· -	10029 1700
i	PRE-MARKED OR IDENTIFIED BY	None		
	RECOVERED BY	N.A.		
3. VERTICAL CON		N.A.		<u> </u>
	PRE-MARKED OR IDENTIFIED BY	N.A.		71 - 1000
4. LANDMARKS A	RECOVERED (Triangulation Stations) BY	R. Tibbetts R. Tibbetts		July 1980 July 1980
AIDS TO NAVIG	COCATED (Frenchious) Di	R. Tibbetts		July 1980
	TYPE OF INVESTIGATION	11. 1200000		1 222, 1200
5. GEOGRAPHIC	BY			
INVESTIGATIO	SPECIFIC NAMES ONLY			
	NO INVESTIGATION			
6. PHOTO INSPEC 7. BOUNDARIES A	······································	R. Tibbetts		July 1980
II. SOURCE DATA		None		
	CONTROL IDENTIFIED	2. VERTICAL CONTR	OL IDENTIFIED	
None		None	_ +	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DES	I GN A TION
3. PHOTO NUMBE	RS (Clarification of details)			
/7 E()	P) 788, 789, 790, 791 ND AIDS TO NAVIGATION IDENTIFIED			
THE EXILEMANCS A	NO AIDS TO HAVIGATION IDENTIFIED			
	·			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJEÇTI	NAME
77E(P) 790	PRESQUE ISLE MANNA LIGHT			
77E(P) 789	R. RELAY TOWER			
77E(P) 788	TANK			
5. GEOGRAPHIC	NAMES: REPORT TO NONE	6. BOUNDARY AND L	MITS: REPOR	RT WONE
	L MAPS AND PLANS			<u> </u>
U. P. Gene	erating Co. Plan			
8. OTHER FIELD	RECORDS (Sketch books, etc. DO NOT list data submi	tted to the Geodesy Divisi	ion)	
'Field Edit	Report, Film Ozalid			
<u></u>				

NOAA FOR (3-72)	RM 76-36D		TP-00442	ATIONAL OCE.	U. S. DEP. ANIC AND ATMOST	ARTMENT Pheric A	T OF COMMERCE			
		RECO	RD OF SURVE	Y USE						
I. MANUSC	CRIPT COPIES		^							
	CO	MPILATION STAGE	.5		DATEMA	NUSCRIP	T FORWARDED			
	DATA COMPILED	DATE	RE	EMARKS	MARINE C	HARTS I	HYDRO SUPPORT			
_	ation complete ng field edit	Nov. 1977	Class III	manuscrip PERSEDED)t					
	edit applied, ation complete	Dec. 1980	Class I 3	_	>t					
Final	Reviewed	March 1.984	Final Map							
	MARKS AND AIDS TO NAVIGA		CATA BRANCH							
PAGES			T T		· <u> </u>		·-			
XXXX90Cx	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED			REMARKS					
1			Aids for	Charts						
2			Landmarks	s for char	rts					
11	<u> </u>	ļ	Landmark	∵ fo be de	leted					
1	· · · · · · · · · · · · · · · · · · ·	ļ	Landmark to be revised							
<u> </u>		ļ	·		·					
			<u></u>		<u></u>	_				
	REPORT TO MARINE CHART					DAFR.	·			
	REPORT TO AERONAUTICAL RAL RECORDS CENTER DAT		, AERONAUTICAL	L DATA SECTION	ON. DATE FORMA	RDED:				
1. [汉] 2. [汉] 3. [汉]	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENTI SOURCE DATA (except for G ACCOUNT FOR EXCEPTION	M DUPLICATE IFICATION CARDS; Seegraphic Names Repose	FORM NOS	S 567 SUBMITT IN SECTION II,	TED BY FIELD PA	RTIES.				
IV. SURVI	EY EDITIONS (This section s	shall be completed ea	ach time a new ma	n edition is reg	istered)		,·= <u></u>			
SECOND	SURVEY NUMBER	(2) PH -	R		TYPE OF SI	URVEY	JRVEY			
EDITION] 	MAP CLA	□v.	FINAL			
	SURVEY NUMBER	JOB NUMBER	R		TYPE OF SU	_	 _			
THIRD] '	REVISED	∐ RESU	IRVEY .			
EDITION				<u> </u>	MAP CLA	□v.	FINAL			
	SURVEY NUMBER	JOB NUMBER	R		TYPE OF SU	~				
FOURTH				۱ ا	REVISED	∐ RESŪI	RVÉY			
EDITION	DATE OF PHOTOGRAPH	HY DATE OF FIL	ELD EDIT	l ,	MAP CL/		- ·			



(1:15,000 Scale

TP-00442

46°36'54"

] "7.71'02°78

.. 18. 92. 18.

46°30'12"

6

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

TP-00442

This 1:15,000 scale map is one of four maps and three insets of project CM-7705, Keweenaw Waterway, Keweenaw Bay, Marquette Harbor, Michigan and Ashland, Wisconsin.

This project is divided into three different geographic areas. Part I, Ashland Harbor, Chequamegon Bay, Lake Superior, Wisconsin, longitude 90°49'49.7" west to 90°57'17.3", latitude 46°34'38.4" north to 46°41'36". Part II, L'Anse, Michigan, latitude 46°44'46" to the north entrance of the Keweenaw Waterway, Michigan, latitude 47°15'37". Part III, Marquette Bay, Lake Superior, Michigan, latitude 46°30'12" north to latitude 46°36'54".

Field work prior to compilation which was accomplished in June 1977 involved the identification of horizontal control by photo identification methods to meet aerotriangulation requirements.

Photography was provided in May 1978 using the "E" camera with a focal length of 152.71 millimeters with panchromatic film at both 1:20,000 and 1:30,000 scale for aerotriangulation.

Analytic aerotriangulation was performed at the Washington Science Center in December 1978.

Compilation was performed at the Atlantic Marine Center during January 1980 from office interpretation of the May 1977 1:20,000 and 1:30,000 scale photography.

Field edit for this map was accomplished during July 1980. The 76-40 forms submitted by the field editor were lost after the application of the field edit data and were not submitted to final review.

The application of field edit was completed in December 1980 at the Atlantic Marine Center,

The final review was performed at the Atlantic Marine Center in March 1984.

This Descriptive Report contains all pertinent information used to compile this final map.

FIELD INSPECTION

TP-00442

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 Marquette, Michigan CM-7705 December 27, 1978

21. Area Covered

The area covered by this report is the shoreline of Lake Superior from $46^{\circ}30'00"$ to $46^{\circ}37'30"$ covering Marquette Bay. This area is covered by one 1:15,000 scale sheet, TP-00442.

22. Method

One strip of 1:30,000 scale black and white photography was bridged by analytic aerotriangulation methods. The strip was controlled entirely by field identified control. Points were located on the bridging photography for ratio purposes. The points read on the bridging photographs are more than adequate for compilation purposes.

23. Adequacy of Control

Control checked well within map accuracy standards and is more than sufficient for its intended use. One exception was point 783104 (Rail, sub pt. #2) which was out approximately -5 feet in the X - direction and +25 feet in the Y-direction. This point is possibly misidentified on the pricking photography. See attached sheet for accuracy of control in strip adjustment.

24. <u>Supplemental Data</u>

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.

Note to the compiler

Extra ratio points were dropped on photograph 791 so that Partridge Island can be graphically compiled.

Subilitied by

Brain Thornton

Approved and forwarded:

Don O. Norman

Chief, Aerotriangulation Section

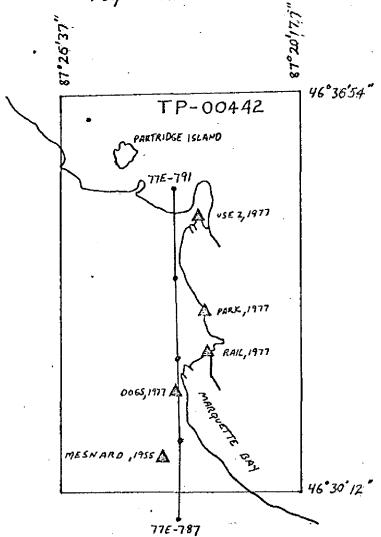
Accuracy of Control

Point	X-Error	Y-Error
785101	.001	003
785102	2.327	2.690
783103	1.442	-1.551
7841 01	1.025	2.331
784 102	2.429	1.525
783101	000	.001
783102	1.202	1.857
781101	000	.001
781102	2.507	-1.085

AEROTRIANGULATION SKETCH
MARQUETTE, MICHIGAN

CM-7705
DECEMBER, 1978

Bridging photography
1:30,000 TTE-787 To 791



1:15,000 SHEET

NOAA FORM 76-41				ח	U.S. DEPARTMENT OF COMMERCE
(6-75)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		ATMOSPHERIC ADMINISTRATION
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	1VITY
TP-00442	CM-7705	5	N.A. 1927	•	
	SOURCE OF	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	
1 S C Z C C C C C C C C C C C C C C C C C	INFORMATION (Index)	POINT NUMBER	ZONE NORTH	γ LAILIUDE λ LONGITUDE	NEMAKK\$
			x= 1,904,194,94"	φ 46°34'47.255"	
USE 2, 1977 (FIELD POS.)		781100	y= 655,326.94°	λ 87°22'51.518"	,
			x = 1,903,687.01	φ 46°33'20.407"	I
PARK, 1978 (FIELD POS.)		783100	y = 646,530.71'	λ 87 ⁰ 22'58.182"	
			x = 1,904,302.87	φ 46 ⁰ 32'41.644"	
RAIL, 1977 (FIELD POS.)		779100	y = 642,600.92	λ 87 ⁰ 22'49.099"	
			x = 1.901.313.46	\$ 46°31'56.850"	
DOGS, 1977 (FIELD POS.)		784100	<i>y</i> ≈ 638,077.78¹	λ 87 ⁰ 23'31.547"	
	460871	1	χ=	φ 46°30'47.731"	
STANDPIPE, 1955	Page 1011	01148/	=h	λ 87 ⁰ 23'58.646"	
	460871		=X	φ 46 ⁰ 30'48.234"	
MESNARD, 1955	Page 1005	/85±03	y=	λ 87 ⁰ 23'58.361"	
MARQUETTE BREAKWATER	460871	184110	=χ	φ 46°32'01.387"	
OUTER LIGHT, 1955	Page 1009		<i>y</i> =	λ 87 ⁰ 22'29.238"	
	460871	783110	χ=	φ 46 ⁰ 32'47'852"	
MARQUETTE LIGHT, 1955	Page LUIU		<i>y</i> =	λ 87 ⁰ 22'34.007"	
	460871	•	<i>χ</i> =	\$ 46°33'20.203"	
COLLEGE, 1955	Page 1001	4	<i>y</i> =	λ 87°24'03.040"	,
\circ	460871		χ÷	φ 46 ⁰ 34'27.108"	
BREAKWATER LIGHT, 1955	Page 1013		y=	λ 87 ⁰ 22'28.049"	
compured by D. Brockhouse		82/15/79	COMPUTATION CHECKED BY J. J. Molèra		DATE 02/15/79
Listed By D. Brockhouse	i	64/514/20	LISTING CHECKED BY A. C. Rauck, Jr.		DATE 02/15/79
HAND PLOTTING BY J. Moler		11/26/79	HAND PLOTTING CHECKED BY R. Kravitz		DATE 11/26/79
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	CH IS OBSOLETE.	

COMPILATION REPORT

TP-00442

31 - DELINEATION

Delineation was by the Wild B-8 stereoplotting instrument using the May 1977, 1:20,000 and 1:30,000 scale panchromatic photography. The coverage was adequate.

32 - CONTROL

Refer to the Photogrammetric Plot Report dated December 27, 1978.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable. Drainage was delineated by office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

All details were delineated by the Wild B-8 stereoplotter. No unusual problems were encountered.

36 - OFFSHORE DETAILS

All offshore details were delineated from office interpretation of the photographs.

37 - LANDMARKS AND AIDS

Appropriate copies of 76-40 forms are submitted with this Descriptive Report.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, item 5 of this Descriptive Report concerning junctions.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated December 27, 1978.

TP-00442

46 - COMPARISON WITH EXISTING MAPS

U.S.G.S. Quad - Marquette, Michigan, 1:24,000 scale, dated 1954, photorevised 1975.

47 - COMPARISON WITH NAUTICAL CHARTS

NOS Chart 14970, 1:15,000 scale, 22nd edition, dated April 20, 1979.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

J. Jeffery C. Moler Cartographic Technician November 30, 1979

Approved,

James L. Byrd, Jr.

Janes I. Byd for

Chief, Coastal Mapping Unit

JOB CM-7705

51. METHODS

Field edit was performed according to Photogrammetry Instructions of the National Ocean Survey Operations Manual.

The Shoreline Inspection was conducted by truck and from a skiff run as close as possible to shore.

A tank previously shown as a map feature has been recommended for charting as a landmark and is indicated on Photo 77E(P) 789, located photogrammetrically. A landmark located at Lighthouse Point was listed as a NWS SIG SIA but was found to be no longer maintained by NWS-and. is presently used as a support for a radio beacon antenna. It has been recommended that this landmark be revised to show the charting name TR. Five landmarks were found to be inadequate and have been recommended to be deleted on an appropriate Form 76-40.

A plan of the intake and outfalls of the Upper Peninsula Generating Co. (Presque Isle Sta) is included as the pipelines are buried and could not be located.

Field edit annotations were made on the discrepancy print and photographs.

52. ADEQUACY OF COMPILATION

Adequate pending application of field edit.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Approved and Forwarded:

Chief, Photo Party 62

Submitted:

Surveying Technician

REVIEW REPORT

TP-00442

61. GENERAL STATEMENT

See Summary included with this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. Quadrangle: Marquette, Michigan, scale 1:24,000, dated 1954, photorevised 1975.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There is no contemporary hydrographic survey within the limits of this Final Map.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS Chart 14970, dated April 28, 1979, 22nd edition, scale 1:15,000.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with project instructions, and meets the requirements for National Standards of Map Accuracy.

Lowell O. Neterer, Jr.

Approved for forwarding,

Billy H. Barnes

Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved

Chef, Photogrammetric Section, Rockville

Chief, Photogrammetry Branch,

Rockville

GEOGRAPHIC NAMES FINAL NAME SHEET PH-7705 (Keweenaw Waterway, Michigan) TP-00442

Carp River

Dead River

Harbor Basin

Lake Superior

Lake Superior & Ishpeming (RR)

Larus Island

Lighthouse Point

Marquette

Marquette Bay

Middle Bay

Middle Island

Middle Island Point

Orianna Brook

Partridge Bay

Partridge Island

Picnic Rocks

Presque Isle

Presque Isle Harbor

Presque Isle Point

Presque Isle Point Rocks

Quarry Pond

Ripley Rock

Shiras Pool

Soo Line (RR)

Approved by:

Charles E. Harrington

Chief Geographer

Nautical Charting Division

DISSEMINATION OF PROJECT MATERIAL

CM-7705

NATIONAL ARCHIVES/FEDERAL RECORDS CENTER

JOB COMPLETION REPORT

Box:

NOAA Forms 76-40's
76-41's

Computer Readouts
5 Field Editor Reports
1 Envelope 76-40's Field Copies
Field Notebooks 76-52
76-109
2 Bound Notebooks containing Field Data
1 Bound Notebook containing Forms 76-109
Field Identified Contact Photos
Field Data
1 U.P. Generating Co. Plan
1 Project Diagram (TP-00442)
1 Envelope with Control Photos
1 Project Diagram

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)	D .		NAT	IONAL OCE	ANIC AND	S. DEPARTM St mospheri	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567.		=	WARKS	FOR CH	ARTS			GEODETIC PARTY	ARTY T
X TO BE CHARTED	Г	STATE		LOCALITY			DATE	K COMPILATION ACTIVITY	IVITY
TO BE REVISED	Coast			Marquette	tte and	Presque	6	FINAL REVIEWER GOVALITY CONTROL & REVIEW GRP	L & REVIEW GRP.
TO BE DELETED		VA Michigan		Isle H	Isle Harbors		Bept.1980	COAST PILOT BRANCH	NCI
The following objects	objects HAVE X HAVE NOT	been inspected from seaward to determine their value as landmarks SURVEY NUMBER	ward to de	termine the	ir value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
	-			N.A. 1927	1927	,	METHOD AND DATE OF LOCATION	TE OF LOCATION	
	CM-7705	TP-00442		POSITION	NO.		(See instructions on reverse side)	on reverse side)	CHARTS
	DESCRIPTION	NOI	LATITUDE	UDE	LONGITUDE	LUDE			AFFECTED
CHARTING	(Record reason for defetion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses	ierk or eid to nevigation. here applicable, in perentheses)	•	// D.M.Meters	, ,	// D.P.Meters	OFFICE	FIELD	
RADIO	292 Kh2 140 feet Sout	Southeast of	76 37	47.02	ļ	32.17	77 E(P) 789	V-Vis.	0.407.
NO STATE	- 1			1452	27 /9	989	5-26-77.	7-23-00	0/657 .
LIGHT R. BN	(Presque Isle Harbor Light, 1955)	Breakwater	46 34	27.108 837.0	87 22	28.049	77 E(P) 790 5-26-77	Triang. Rec. 7-23-80	=
				47.852	87 22	34.007	77 E(P) 789		
LIGHT	(Marquette Light, 1955)		46 32	1477.6	,	724.5	5-26-77	-	Ξ
LIGHT	Presque Isle Marina Light		46 34	49.2 1519	87 233	07.8 166	77 E(P) 790 5-26-77	V-V1s 7-23-80	=
LIGHT	Marquette Breakwater Light	Inner	46 32	12.47	87 22	43,44	77 E(P) 789 5-26-77	V-Vis. 7-23-80	:
LIGHT	(Marquette Breakwater Light, 1955)	r Outer	46 32	01.837	87 22	29.238	77 E(P) 789 5-26-77	Triang. Rec. 7-23-80	Ξ
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	RESPONSIBLE PERSONNEL	NNEC	
TYPE OF ACTION	ZAM		ORIGINATOR
			HYDROGRAPHIC PARTY
OBJECTS INSPECTED FROM SEAWARD			GEODETIC PARTY
	R. Tibbetts	-	OTHER (Specify)
	R. Tibbetts		FIELD ACTIVITY REPRESENTATIVE
	. F. Martiotta		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL			カランで来のカ
AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INST	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,	D AND DATE OF LOCATION' ructions No. 64,	
OFFICE	FIELD	D (Cont'd)	
<pre>i. Office IDENIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the bject. FXAMPLE: 75F(C)6042</pre>		B. Photogrammetric fie entry of method of date of field work graph used to local fxAMPLF: P-8-V	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
FIELD		74L(C)2982	2
EW POSITION DETERMI nter the applicable - Field	s as follows:	TRIANGULATION STATION RECOVERED When a landmark or aid which is angulation station is recovered	ON RECOVERED aid which is also a tri- is recovered, enter 'Triang.
L - Located Vis - V V - Verified		date of Triang. R	overy.
l - Triangulation 5 - Fle 2 - Traverse 6 - The	Field identified Theodolite		
3 - Intersection 7 - Plan 4 - Resection 8 - Sex	Planetable III.	POSITION VERIFIED VISUALLY ON PHOTOGRAPH	SUALLY ON PHOTOGRAPH
		EXAMPLE: V-Vis.	
A. Field positions* require location and date of fie	require entry of method of	8-12-75	,
EXAMPLE: F-2-6-L 8-12-75	**PHO		SITIONS are dependent
*FIFID POSITIONS are determined by field obser-	<u>-</u>	by photogrammetric methods.	etric methods.
vations based entirely upon ground survey methods.	iods.		

NOAA FORM 76-40 (8-74)

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

	NOAA FORM 76-40 (8-74)				TAN	IONAL OCE	U.S. ANIC AND A	DEPARTME TMOSPHERIC	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567	38 Form 567.	HEATER LEAST	**************************************	DE DE LAN	DMARKS	FOR CH	\RTS			GEODETIC PARTY	
TO BE CHARTED TO BE REVISED	ARTED VISED	REPORTING UNIT Flow Park, SMp or Office, Unit, Norfolk, VA	"Unit,	STATE		LOCALITY Marquette	iette and Harbore	Presque	DATE Sent 1980	E COMPLATION ACTIVITY FINAL REVIEWER QUALITY CONTROL & REVIEW GRP	IVITY
The following objects		- II.	Theen inst	sected from sec	word to det	Province the	ir value as l	nndmarke	こうかくているから	COAST PILOT BRANCH	NCH ible personnell
OPR PROJECT NO.		JOB NUMBER	SURVEY N	SURVEY NUMBER DATUM	DATUM						
		CM-7705	TP-C	TP-00442		N.A. 11927	927 ION		METHOD AND DATE OF LOCATION (See instructions on reverse side)	E OF LOCATION	# # 1 U
		or Talensen]		LATITUDE	,	LONGITUDE	UDE			AFFECTED
CHARTING		(Record resson for defetion of fendmark or aid to navigation. Show triangulation station names, where applicable, in perentheses)	rk or aid to n re applicable	avigation. ., in perentheses)	ó	// D.M. Meters	. ,	// D.P. Meters	OFFICE	FIELD	
TOWER	Front	Street and Prospect	3	Street	46		87 23.5			TO BE DELETED	14970
STACK	Lake	Shore Inc.			46		87 23.1			TO BE DELETED	14970
STACK	Hospital	tal St			46		87 23.9			ž:	=
CHIMNEY	In R	Rail Yard			46		87 23.5			=	=
NWS SIGINAL STATION	Presque	que Isle Marine			46 34.9		87			п	Ξ
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*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	EXAMPLE: F-2-6-L 8-12-75	e 	3 - Intersection 7 - Planetable 4 - Resection 8 - Sextant	ation 5 -		FIELD	OFFICE IDENTIFIED AND LOCATED OBJECTS 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	INSTRU	FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		COST TOWN DETERMINED AND OR VERREID	COLECTO INSTRUCTED TROP SERVICES		TYPE OF ACTION	
by photogramm	**PHOTOGRAMMETRIC FII	example: V-Vis. work.	ble III.	tified	s as follows: When a land tric angulation Rec.' with EXAMPLE: T		B. Photogra entry of date of graph us EXAMPLE:	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION		F. Margiotta	R. Tibbetts	R. Tibbetts		YAME	RESPONSIBLE PERSONNEL
metric methods.	in part, upon control estáblished	75	POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V+Vis.' and date.	75	TRIANGULATION STATION RECOVERED when a landmark or aid which is also a tri-angulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec.		(Cont'd) 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	TION'	☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	OTHER (Specify)	X PHOTO FIELD PARTY HYDROGRAPHIC PARTY	ORIGINATOR	

NOAA FORM 76-40 (8-74)

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

☆ U.S.GPO:1975-0-665-080/1155

STACK Stac	Replaces CAGS Fo				2	200		と は こし ハ つ と こ ・			
Sunt Michigan Factor Suntanette and Presque Sept. 1980	X TO BE CHARTE		DATE NEW XX	DESTRICT AND	MARKS	FOR CHA	RTS			HYDROGRAPHIC F GEODETIC PARTY HOHOTO FIELD BAS	ARTY 014
Michigan Marquette and Presque Sept.1980	TO BE REVISE		'fice)	STATE		LOCALITY]].			COMPILATION ACT	FIVITY
Peen Inspected from sequend to determine their volue as landmorks. N.A. 1927 SLINVEY NUMBER OATUM N.A. 1927 ACCOUNTION CORPUTATION CORPUTATI	TO BE DELETE	Coastal Mappin AMC, Norfolk,	ng Unit, VA	Michigan		Marque Isle H	tte and arbors_			FINAL REVIEWER QUALITY CONTRO COAST PILOT BRA	IL & REVIEW GR INCH
The decision Coatum No. 1927 Title The decision The de	The following ob	jects HAVE X HAVE NOT	Ц	pected from sear	vard to des	termine thei	r value as	landmarks.		(See reverse for respon	sible personnel)
Note Carte Carte	OPR PROJECT NO	JOB NUMBER		UMBER	DATUM		ı				
No. of the office of the off		CM-7705	TP-00	1442		٩İ	No		METHOD AND DAT	E OF LOCATION on reverse side)	CHARTS
North of Two T		DESCRIP	TION		LATIT	.noe	LONGI	-upe			AFFECTED
46 32 1263 87 23 826 5-26-77 7-23-80 46 32 1263 87 22 34.35 "" 46 32 1449 87 22 34.35 "" 46 33 1449 87 22 34.35 "" 46 33 1449 87 23 35.26 77 E(P) 790 " 46 32 28.90 87 23 55.26 77 E(P) 789 " North of Two 46 34 44.16 87 23 42.01 " 46 34 44.16 87 23 42.01 " 46 34 44.16 87 23 30.80 77 E(P) 791 " 46 34 44.16 87 23 30.80 77 E(P) 799 " 46 34 44.16 87 23 30.80 77 E(P) 791 " 46 34 1565 87 23 30.80 77 E(P) 799 " 46 34 1565 87 23 30.80 77 E(P) 789 " 46 31 1565 87 23 656 5-26-77 " 46 31 1565 87 23 656 7.26-77 " 46 31 1565 87 23 656 7.26-77 "		Record reason for defetion of land how triangulation station names, s	dmark or aid to r where applicable	nevigation.	,	D.M. Merers	/	D.P. Meters	OFFICE	FIELD	
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46 32 28.90 87 24 476 5-26.77 " 46 32 28.90 87 23 55.26 77 E(P) 790 " 46 32 28.90 87 23 55.26 77 E(P) 789 " 46 32 28.81 87 23 54.48 " North of Two 46 34 44.16 87 23 42.01	TOWER			·	32	46.93		34.35	:	ŧ	E ·
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FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.		tions requ	3 - Intersection 7 - Planetable 4 - Resection 8 - Sextant	ation 5 -	Enter the applicable data by symbols F - Field P - Photogrammet L - Located Vis - Visually V - Verified	FIELD NEW POSITION DETERMINED OR VERIFIED	dentify XAMPLE:	Enter the number and date (including month, day, and year) of the photograph used to	OFFICE INCUTIFIED AND INCATED		FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		CONTRACTOR AND JOB VERIFIED		000000000000000000000000000000000000000	TYPE OF ACTION	
nods.	field work. **PHOTOGRAMMETR entirely, or	method of		Field identified Theodolite	as follows: ric	RIFIED II. TRIANGULAT			FIELD (INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,		F. Margiotta	R. Tibbetts	R: Tibbbetts		ZAMI	RESPONSIBLE PERSONNEL
	MMETRIC FIELD POSITIONS are dependent	LE: V-Vis. 8-12-75	POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V+Vis.' and date.	8-12-75	When a landmark or aid which is also a tri- angulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec.	GULATION STATION RECOVERED	graph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982	Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photo-		ATE OF LOCATION'	QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	GEODETIC PARTY OTHER (Specify)	M PHOTO FIELD PARTY HYDROGRAPHIC PARTY	ORIGINATOR	

NOAA FORM 76-40 (8-74)

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

会 U.S.GPO:1975-0-665-080/1155

Part	REPORTING UNIT STATE STA	NOAA FORM 76-40 (8-74)		, 		ONV I WAS	NAT	TONAL OCE	U.SANIC AND	S. DEPARTM ATMOSPHER	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION KY FOR CHAPTS	ORIGINATING ACTIVITY	CTIVITY
Machagan Machagan Table Harbors Machagan Table	Sept. 1980 Sep	Replaces C&GS	5 Form 567.		XXXXXXXX	- XXXXX	CHAICE		2 1			PHOTO FIELD PAR	TY
The Old State The Old Act	MACE STATE Part	XTO BE CHAN TO BE REVI	RTED ISED ETED	REPORTING UNIT (Field Perr, Ship or Offic Coastal Mapping AMC, Norfolk, V	S Unit,	state Michiga	ä	Marque Isle H	tte and arbors	Presque			IVITY - AREVIEW GRP. NCH
100 NUMBER SUNYEY NUMBER DATUM N.A. 1927 HETHOD AND DATE OF LOCATION CAPTOD CAP	CN-7705 TP-00442	The following	1	TAVE X HAVE NOT	been insp	rected from sea	ward to det	termine the	ir value as	landmarks.		_	ible personne!)
The continue of the continue	The Checked	OPR PROJECT		JOB NUMBER	SURVEY N	UMBER	DATUM						
The contract of the contract	The coord reason for detection contains and the convergation CATTRIDGE CANGINUE			CM-7705	TP-00	1442		N.A. 19	127 10N		METHOD AND DAT	IE OF LOCATION	CHARTS
The Precod transon for detailers of infants and an anti-partition.	All Control		 -				1070		1	4011			AFFECTED
D.W. Marquette municipal parameters, in parameters,	D. Parents T. 23-80 AT STATE HOUSE OF CORRECTION 46 30 1473.8 7 22 52.21 77 E(P) 788 TWIANG. REC. AT STATE HOUSE OF CORRECTION 46 30 1059 87 22 52.21 77 E(P) 788 V-VIS. MARQUETTE MARQUETTE D. Parents D. Parents T. 23-80 T. 24-77 T. 23-80	CHARTING	(Record re	DESCRIPTINGS of landma	ION ark or aid to n	avigation.		, M	2	//	OFFICE	FIELD	
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AT STATE HOUSE OF CORRECTION 46 30 34.30 87 22 52.21 77 E(P) 788 V-VIS. MARQUETTE MARQ	AT STATE HOUSE OF CORRECTION 46 30 34.30 87 22 52.21 77 E(P) 788 V-VIS. MARQUETTE MARQ	STAND PIPE	(MARC 1955	MUNICIPAL		ъ.		47.731		58.646 1250.2			14970
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*FIELD POSITIONS are determined by field obser-	EXAMPLE: F-2-6-L 8-12-75	s i ct	- Is 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	INSTRUCT	FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	TOST IONS DETERMINED AND/OR VENIFIED		OBJECTS INSPECTED FROM SEAWARD		TYPE OF ACTION	
by photogramm	**PHOTOGRAMMETRIC FIELD	Enter 'V+V Enter 'V+V Example:	s as follows: tric Rec.' with EXAMPLE:	FIELD (Cont'd) B. Photogram entry of date of f graph use EXAMPLE:	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,		. F. Margiotta	R. Tibbetts	R. Tibbetts		NAME	RESPONSIBLE PERSONNEL
hods.	<pre>IC FIELD POSITIONS are dependent in part, upon control established</pre>	ERIFIED VISUALLY ON PHOTOGRAPH is.' and date. V-Vis. 8-12-75	ION STATION RECOVERED dmark or aid which is also a tri- station is recovered, enter 'Triang. date of recovery. Triang. Rec. 8-12-75	<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>		QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	GEODETIC PARTY OTHER (Specify)	N PHOTO FIELD PARTY HYDROGRAPHIC PARTY	ORIGINATOR	

NOAA FORM 78-40 (8-74)

NOAA FORM 76-40	-40				TAN	IONAL OCE	U ANIC AND	S. DEPARTN	U.S. DEPARTMENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567.	Form 567.	HENERGY	MANO WAY	MONHER BANDER OF LANDMARKS FOR CHARTS	MARKS	FOR CHA	RTS			HYDROGRAPHIC PARTY GEODETIC PARTY PHOTO FIELD PARTY	r x √
TO BE CHARTED TO BE REVISED TO BE DELETED)	REFORTING UNIT Field Perry, Ship or Office) Coastal Mapping Unit, AMC, Norfolk, VA		state Michigan		Locality Marquette Isle Harbo	οςλιπγ Marquette and Isle Harbors	i Presque	PATE Sept.1980		LOTTY RECIEW OF
The following objects		HAVE X HAVE NOT	been insp	been inspected from seaward to determine their value as landmarks.	ward to def	ermine the	r value as	landmarks.		(See reverse for responsible personnel)	ible personnel,
OPR PROJECT		JOB NUMBER	SURVEY N	UMBER	DATUM	N.A. 1	1927		METHOD AND DATE OF LOCATION	TE OF LOCATION	
		CM-7705	TP-00442	1442		POSITION	NO		(See instructions on reverse side)	on reverse side)	CHARTS
CHARTING	(Record re	DESCRIPTION (Record resson for deletion of landmark or aid to navigation.	N rk or sid to m	avigation.	-	UOE	i I	LONGITUDE	OFFICE	FIELD	AFFECTED
NAME	Show tria	Show triangulation station names, where applicable, in perentheses)	re applicable,	in perentheses)		D.M. Meters	0	D.P. Meters			
TOWER	Was N	NWS Sien. Sta.	!		46 32	47.33	87 22	27.75	77 E(P) 789 5-26-77	TO BE REVISED	14970
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TYPE OF ACTION	NAME NAME	m (7000)	ORIGINATOR
			X PHOTO FIELD PARTY HYDROGRAPHIC PARTY
	R. Tibbetts		GEODETIC PARTY
SHOULD AND/OR VERIFIED	R. Tibbetts	38.7	FIELD ACTIVITY REPRESENTATIVE
	. F. Margiott	ta	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			REVIEWER 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 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	ATED OBJECTS (including month, cograph used to	FIELD (Cont'd) B. Photogrammetric field entry of method of it date of field work an graph used to locate EXAMPLE: P-8-V 8-12-75 74L(C)2982	<pre>mmetric field positions** require method of location or verification, field work and number of the photo- ed to locate or identify the object. P-8-V 8-12-75 74L(C)2982</pre>
FIELD 1. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols F - Field P - Photogrammet L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identice 2 - Traverse 6 - Theodolite	NED OR VERIFIED data by symbols as follows: P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite	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	ON RECOVERED aid which is also a tri- is recovered, enter 'Triang. recovery.
ction on sitions* and date	7 - Planetable 8 - Sextant require entry of method of s of field work.	III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75	TE.
8-12-75		**PHOTOGRAMMETRIC FIELD PO entirely, or in part, up	IC FIELD POSITIONS are dependent in part, upon control established
*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	d by field obser-	by photogrammetric methods.	ds.

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 any, from recommendations made under "Comparison with Charts" in the Revi

CHART	DATE	CARTOGRAPHER	REMARKS
	-		Full Part Before After Verification Review Inspection Signed Via
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