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-00439	11
Job No.	
CM-7705	
Map Classification	
FINAL (Field Edited Map)	
Type of Survey	
SHORELINE	
LOCALIT	Υ
State	
WISCONSIN	
General Locality	
CHEQUAMEGON BAY LAKE SUPERIOR	
Locality	
ASHLAND AND WASHBURN HARBORS	
	
19 77 TO 19	9 80
REGISTERED IN A	RCHIVES
DATE	

NOAA FORM 76-36A (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TP00439
	DE ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS FINAL
	RÉVISED	јов №. <u>СМ-7705</u>
PHOTOGRAMMETRIC OFFICE	LAST PRECED	ING MAP EDITION
	TYPE OF SURVEY	JOB PH-
Coastal Mapping Unit, Norfolk, VA	ORIGINAL	MAP CLASS
OFFICER-IN-CHARGE	RESURVEY	SURVEY DATES:
A. Y. Bryson, CDR	REVISED	19TO 19
I. INSTRUCTIONS DATED		
1, OFFICE	2.	FIELD
Aerotriangulation August 28, 1978	Photography	March 20, 1977 、
Compilation January 18, 1979	Control	April 11, 1978
Change No. 2 November 1, 1979	Change No. 1	June 16, 1978
II. BATING	<u>.</u>	
II. DATUMS	OTHER (Specify)	
1. HORIZONTAL: X 1927 NORTH AMERICAN		
MEAN HIGH-WATER	oTHER (Specity) International Grea	at Iokas Datum
2. VERTICAL:	(1955). Lake Supe	
MEAN LOWER LOW-WATER	Datum.	LIGH HOW WHILE
3. MAP PROJECTION	4.	GRID(S)
	STATE	ZONE
Lambert Conformal Conic	Wisconsin	North
5. SCALE	STATE	ZONE
1:15,000		
OPERATIONS	NAME	DATE
I. AEROTRIANGULATION BY	S. Solbeck	Feb. 1979
METHOD: Analytic Landmarks and aids by	D. Norman	Feb. 1979
2. CONTROL AND BRIDGE POINTS PLOTTED BY	S. Solbeck	Feb. 1979
METHOD: Coradomat 21 CHECKED BY	D. Norman J. Moler	Feb. 1979 June 1979
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	J. Roderick	June 1979
INSTRUMENT: Wild B-8 CONTOURS BY	N.A.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SCALE: 1:15,000 CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	J. Moler	August 197
CHECKED BY CONTOURS BY	R. Kravitz	Sept. 1979
METHOD: Smooth drafted CHECKED BY	N.A.	
HYDRO SUPPORT DATA BY	J. Moler	August 197
SCALE: 1:15,000 CHECKED BY	R. Kravitz	Sept. 1979
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	R. Kravitz	Sept. 1979
6. APPLICATION OF FIELD EDIT DATA	D. Butler	Oct. 1980
7. COMPILATION SECTION REVIEW BY	F. Margiotta F. Margiotta	Nov. 1980 Nov. 1980
8. FINAL REVIEW BY	L. Neterer, Jr.	Feb. 1984
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	L. Neterer, Jr.	Feb. 1984
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	P. Hawkins	Aug. 1984
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	E DAUGHERTY	1/00,1984

		COM	PILATION SO	OKCE2				
1. COMPILATION PHO	OTOGRAPHY		···					
CAMERA(S)		<u> </u>	TYPES OF	PHOTOGRAPHY		TIME		NCE
Wild R.C8			L	GEND		IIMIE	REFERE	NCE
TIDE STAGE REFERE			(C) COLOR		ZONE	1		=
PREDICTED TIDE		N A	(P) PANCHR	OMA T1C	MERIC	tral		STANDAF
TIDE CONTROLLE			(I) INFRARE	ED	90t			DAYLIGH
NUMBER AND	TYPE	DATE	TIME	SCALE		STA	GE OF TI	DE
78E (P) 9984 78E (P) 9997 78E (P) 0012 78E (P) 0006	- 9999A - 0016	Apr.30,1978 Apr.30,1978 Apr.30,1978 Apr.30,1978	13:05 13:42	1:30,000 1:30,000 1:20,000)			
REMARKS Lake 1 Datum, Onton	agon gage.		raphy was	600.19 ft.	, Lake S	uperio	or Low	Water
Mean high wa	ter line i photograp	s not applic hs and is de	fined as t	hat line vi				
Mean high wa above listed which marks	ter line i photograp the contac	s not applic ohs and is de et between la	fined as tind and wat	hat line vi				
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Mean high wa above listed which marks	ter line i photograp the contac	s not applic ohs and is de et between la	fined as tind and wat	hat line vi				
Mean high wa above listed which marks 3. SOURCE OF MEAN Not applicab	ter line i photograp the contac	s not applic ohs and is de et between la	fined as tind and wat	hat line vier.	lsible o	n the	photos	graphs
Mean high wa above listed which marks	ter line i photograp the contac	s not applic ohs and is de et between la	fined as tind and wat	hat line vier.	lsible o	n the	photos	graphs
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Mean high wa above listed which marks 3. SOURCE OF MEAN Not applicab 4. CONTEMPORARY SURVEY NUMBER	ter line i photograp the contact le. HYDROGRAPHI DATE(S)	c surveys (List o	fined as tind and wat	that are sources	for photogram	n the	photos	graphs
Mean high wa above listed which marks 3. SOURCE OF MEAN Not applicab 4. CONTEMPORARY SURVEY NUMBER 5. FINAL JUNCTION	ter line i photograp the contact le. HYDROGRAPHI DATE(S)	c surveys (List o	only those surveys Y USED SUR	that are sources	for photogram	n the	photos	graphs

10AA FORM 76~36C 3~72)	TP-0043			NT OF COMMERC ADMINISTRATION L OCEAN SURVE
I. X FIELD INSPECTION OPE	ERATION FIEL	D EDIT OPERATION		
	PERATION	NAME		DATE
		, NAME		June
. CHIEF OF FIELD PARTY		R. Tibbétts		1977-1978
	RECOVERED BY	R. Tibbetts	Ju	ne 1977-78
. HORIZONTAL CONTROL	ESTABLISHED BY	R. Tibbetts		June 1977
	PRE-MARKED OR IDENTIFIED BY	R. Ledbetter		June 1978
	RECOVERED BY	None		
. VERTICAL CONTROL	ESTABLISHED BY	None		
	PRE-MARKED OR IDENTIFIED BY	None	<u> </u>	
5	RECOVERED (Triangulation Stations) BY	None	 .	
LANDMARKS AND AIDS TO NAVIGATION	LOCATED (Field Methods) BY	None		
	IDENTIFIED BY	None		
	TYPE OF INVESTIGATION			1
S. GEOGRAPHIC NAMES INVESTIGATION	COMPLETE BY			
INVESTIGATION	SPECIFIC NAMES ONLY			1
	NO INVESTIGATION			
PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None		}
BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.		<u> </u>
. SOURCE DATA . HORIZONTAL CONTROL ID	ENTIFIED	2. VERTICAL CONTROL	IDENTIFIED	
Photo identified	ENTIFIED	None	, DEN III IED	
				
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DES	IGNATION
78E (P)9984 ELLIS, 9998 MARS, 1 9985 PLAN, 1 9999 TT-100L	977 977			
3. PHOTO NUMBERS (Clarifica	tion of details)	<u> </u>		
4. LANDMARKS AND AIDS TO	NAVIGATION IDENTIFIED			
		·		
None				<u>-</u>
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT	NAME
	•			
5. GEOGRAPHIC NAMES:	REPORT X NONE	6. BOUNDARY AND LIM	ITS: REPO	RT X NONE
	_ 			

same .

OAA FORM 76—36C 3—72)	TP-0041	39	NIC AND ATMOSPH	RTMENT OF COMMER BERIC ADMINISTRATI BONAL OCEAN SURV
. T FIELD INSPECTION OPE	RATION X FIE	_D EDIT OPERATION		
90	ERATION		NAME	DATE
. CHIEF OF FIELD PARTY		R:bTibbetts		July 1980
	RECOVERED BY	- <u></u>	_	July 1980
. HORIZONTAL CONTROL	ESTABLISHED BY			
	PRE-MARKED OR IDENTIFIED BY			
	RECOVERED BY			
VERTICAL CONTROL	ESTABLISHED BY			
	PRE-MARKED OR IDENTIFIED BY		· · · · · · · · · · · · · · · · · · ·	
	ECOVERED (Triangulation Stations) BY	N		
LANDMARKS AND	LOCATED (Field Methods) BY	3.7		
AIDS TO NAVIGATION	IDENTIFIED BY	0 344 1 11	1	July 1980
	TYPE OF INVESTIGATION			
, GEOGRAPHIC NAMES	COMPLETE	•		
INVESTIGATION	SPECIFIC NAMES ONLY			ĺ
	XX NO INVESTIGATION			
PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	C. Middleton	1	July 1980
BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A		
SOURCE DATA				
HORIZONTAL CONTROL IDE	NTIFIED	1	NTROL IDENTIFIED)
None		None	,	
HOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION	DESIGNATION
78E (P) 0012, 00	13, 0014, 0015 and 78E	(P) 0007, 0009	, and contac	et 78E (P) 999
ENGUMENTS AND AIDS TO R	AVIOR TON IDENTIFIED	-		
PHOTO NUMBER	OBJECT NAME	РНОТО ИИМВЕК	OBJE	ECT NAME
78E(P)0007 SPIRE		·		
5. GEOGRAPHIC NAMES: 7. SUPPLEMENTAL MAPS AND	REPORT X NONE	6. BOUNDARY AN	DLIMITS: ER	EPORT 💢 NONE
None	-			
		itted to the Geodesy D	livision)	

(3-72)	(M /0-30)				NATIONAL O	CEANIC A	ND ATMOSPHERIC	ADMINISTRATION
	-		RECOF	RD OF SUR	VEY USE			TP~00439
I. MANUSC	CRIPT COPIES	_						
	co	MPIL/	ATION STAGES	3			DATE MANUSCR	IPT FORWARDED
	DATA COMPILED	—	DATE		REMARKS		MARINE CHARTS	HYDRO SUPPORT
Final	Reviewed Nap		Feb. 1984	Final Ma	ap (Field	Edited	3/22/84	
	0			-		<u> </u>		
								<u> </u>
	AARKS AND AIDS TO NAVIGA							
I. KEP	PORTS TO MARINE CHART DI	VISIO		DATA BRANC	<u> </u>			
NUMBER	CHART LETTER NUMBER ASSIGNED	F	DATE ORWARDED			REM	ARKS	
3		3,	/22/84	NOAA Fo	orm 76-40			
	-							
==	REPORT TO MARINE CHART REPORT TO AERONAUTICAL							
III. FEDEI	RAL RECORDS CENTER DAT	/A						
2. 🗓	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENTI SOURCE DATA (except for G	IFICA1	TION CARDS;	X FORM	NOS7 56745UBM	NITTED BY	Y FIELD PARTIES.	
	ACCOUNT FOR EXCEPTION	NS:					•	
4.	DATA TO FEDERAL RECOR	₹DS C	ENTER. DATE	E FORWARDE!	D:			
IV. SURVE	EY EDITIONS (This section so	hall b			map edition is			
SECOND		(2)	PH -			RE	TYPE OF SURVEY	SURVEY
EDITION	DATE OF PHOTOGRAPH	17	DATE OF FIE	ELD EDIT		□ m.	MAP CLASS □IV. □V.	FINAL
	SURVEY NUMBER		JOB NUMBER	ł		_	TYPE OF SURVEY	
THIRD	TP	_ (3)	РН			∐ RE		SURVEY
EDITION		IY	DATE OF FIE	ELD EDIT		□		FINAL
	SURVEY NUMBER		JOB NUMBER			_	TYPE OF SURVEY	
FOURTH	DATE OF PHOTOGRAPH	_ (4)	PH - DATE OF FIE	FI D EDIT	_	LJ REY		SÛR VÊ Y
EDITION				140 65	□st.	□ m.	MAP CLASS □IV. □V.	FINAL

KEWEENER WATERWAY, MICH. KEWEENAW BAY, MICH. MARQUETT, MICH.

SHORELINE MAPPING SCALES: 1:15,000-1:30,000

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

TP-00439

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 1978 involved the identification of horizontal control by photo identification methods to meet aerotriangulation requirements.

Photography was provided in April 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 February 1979.

Compilation was performed at the Atlantic Marine Center during September 1979 from office interpretation of the April 1978 1:20,000 and 1:30,000 scale photography.

Field edit for this map was accomplished during July 1980.

The application of field edit was completed in November 1980 at the Atlantic Marine Center.

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

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

FIELD INSPECTION

TP-00439

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 ASHLAND, WISCONSIN

CM-7705

February 1, 1979

AREA COVERED

The area covered by this report is the shoreline bounding Chequamegon Bay from Ashland, north to Washburn, Wisconsin.

The area is covered by onel:15,000 scale manuscript (TP-00439).

METHOD

Two strips of 1:30,000 scale black-and-white panchromatic photography were bridged by analytic aerotriangulation methods. Field identified control was provided. Office identified control and tie points between the strips were used as checks.

Common points were dropped from the bridging photography to the 1:20,000 scale panchromatic photography for ratio purposes, as well as, for B-8 stereo compilation.

The bridging photography was also ratioed for compilation purposes.

Râtio prints have been ordered. The manuscript has been ruled on the Coradomat 21.

ADEQUACY OF CONTROL

With the exception of station WASH (1953), all control proved adequate according to NOS standards.

Both subpoints to station WASH showed an error of approximately 10 feet in the y direction. No reasonable explanation could be found for this. By holding either of the two subpoints, this error was reduced to 5 feet for both, but it also reduced the accuracy of most other stations within the strip. By doing this, however, the entire strip was brought within the limits of the National Map Accuracy Standards.

SUPPLEMENTAL DATA

USGS quads were used to provide vertical control for the strip adjustments. Nautical charts 14973 and 14974 were used to locate aids and landmarks.

PHOTOGRAPHY

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

Submitted by:

Stephen H. Solbeck

Approved and Forwarded:

Don O. Norman

Don O. Norman

Chief, Aerotriangulation Section

NOAA FORM 76-41 (6-75)			i		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	VITY
TP-00439	CM-7705		N.A. 1927	Coastal Mapping Unit,	ing Unit, AMC
	0.00	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	
STATION NAME	INFORMATION (Index)	ANGULATION POINT NUMBER	state Wisconsin zowe North	φ LATITUDE λ LONGITUDE	REMARKS
			χ=	\$ 46°37'08.738"	
NASH 2, (No. 91, USE), 1939	Page 1008	6	y=	λ 90 ⁰ 55'42.771"	
	460904		-χ	φ 46 ⁰ 36'11.214"	
NO. 80 (U.S.E.), 1939	Page 1009	10	<i>y</i> =	λ 90°52'56.170"	
BARKSDALE, DU PONT TANK	460904		<i>-</i> χ	\$ 46°37'32.400"	
FUMDER COMPANI, IANN, 1939	Page 1028	199141	=ĥ	λ 90°57'14.987"	
BARKSDALE, DU PONT POWDER	460904		-χ	\$ 46°37'20.762"	
COMPANY, STACK, 1939	Page 1029	7	y=	λ 90°57'10.133"	
	706097		=χ	\$ 46°35'36.048"	
CHURCH, SPIRE, 1939	Page 1025	984144	y=	λ 90°52'56.000"	
	U.S.G.S.		- χ	\$ 46°37'23.91"	
TT-100L, 1941	Ashland Quad	1.199100	=ĥ	λ 90°55'50.06"	
	u.s.c.s.		χs	\$ 46°39'07.82"	
TT-1676, 1941	Ashland Quad. 302	201100	y=	λ 90°54'59.69".	
			x= 1,762,082,56'	φ.	
MARS, 1977	Bridge Iorm 76-41	198100	y= 520,265,52'	γ	
	Field Pos.	005100	x = 1,773,514,58	ф	
PLAN, 1977	bridge rorm 76-41	001604	y= 520,095.80'	γ	
			-χ=	ф	
			<i>θ</i> =	κ_	
COMPUTED BY A. C. Rauck, Jr.		DATE 2/14/79	COMPUTATION CHECKED BY D. Brockhouse		DATE 2/15/77
Listed BY A. C. Rauck, Jr.		2/14/79	LISTING CHECKED BY D. Brockhouse		2/14/79
HAND PLOTTING BY Coradomat	-	DATE	HAND PLOTTING CHECKED BY J. Moler		DATE 5/7/79
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	CH IS OBSOLETE,	

NOAA FORM 76-41 (6-75)		DESCRIPTIV	CRIPTIVE REPORT CONTROL RECORD		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	VITY
TP-00439	CM-7705		N.A. 1927	Coastal Mapping	ing Unit, AMC
144		AEROTRI-		GEOGRAPHIC POSITION	
STATION NAME	SOURCE OF INFORMATION (Index)	ANGULATION POINT NUMBER	srare Wisconsin zowe North	φ LATITUDE λ LONGITUDE	REMARKS
ASHLAND BREAKWATER	706097		χ=	\$ 46°37'41.478"	
LIGHTHOUSE, 1939	Page 1020	983140	y=	λ 90 ⁰ 52'12.914"	
ASHLAND, HOLY FAMILY	706097	071000	=χ	φ 46 ⁰ 35'42.054"	
	Page 1022	983140	η	λ 90°52'38.246"	
1	706097	c	±χ=	φ 46 ⁰ 35'36.837"	
HOSPITAL CUPOLA, 1939	Page 1026	m	ή=	λ 90 ⁰ 52'49.777"	
ASHLAND, BEASER GRAMMER	460904			φ 46 ⁰ 34'53.186"	
SUPOLA,	Page 1019	984140	±ή.	λ 90°53'37.961"	
ASHLAND HIGH SCHOOL,	460904		-χ	\$ 46°35'04.548"	
1939	Page 1021	2	y=	λ 90 ⁰ 52†32,906"	
	460904		-χ	\$ 46 ⁰ 35'13.422"	
LUTHERAN CHURCH, SPIRE, 1939	Page 1027	984143	y=	λ 90°52'45.244"	
ASHLAND ABANDONED	460904		χ=	\$ 46 ⁰ 34'53.712"	
DISTILLERY, STACK, 1939	Page 1017	984141	ή=	λ 90°54'11.912"	
	706097		=χ	\$ 46 ⁰ 35'02.109"	
ELLIS, 1939	Page 1005	984100	ή=	λ 90°52'33 <u>.</u> 601"	
ASHLAND, LAKE SUPERIOR	706097		-χ	\$ 46 ⁰ 35'14,176"	
DISTRICË POWER COMPANY, STACK, 1939	Page 1023	985140	<i>y</i> =	λ 90°54'04.329"	
ASHLAND, SWEDISH EVANGELICA	7,60007.	í	-χ	\$ 46°35'02.880"	
OHUNCH,	Page 1024		y=	λ 90°53'24.981"	
computeb by A. C. Rauck, Jr.		2/14/79	COMPUTATION CHECKED BY D. Brockhouse		DATE 2/15/79
Liste By Rauck, Jr.		2/1E/79	Listing CHECKED BY D. Brockhouse		DATE 2/14/79
HAND PLOTTING BY Coradomat		DATE	HAND PLOTTING CHECKED BY J. Moler		DATE 5/6/79
		SUPERSEDES N	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	CH IS OBSOLETE.	

COMPILATION REPORT

TP-00439

31 - DELINEATION

Delineation was by the Wild B-8 stereoplotting instrument using the April 1978 1:20,000, and 1:30,000 scale panchromatic photography. The coverage was adequate.

32 - CONTROL

Refer to the Photogrammetric Plot Report, dated February 1, 1979.

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.

TP-00439

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report, dated February 1, 1979.

, 46 - COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.G.S. Quads: Ashland, West Wis., 1964, revised 1975, scale 1:24,000; Ashland, East Wis., 1964, revised 1975, scale 1:24,000; Washburn, Wis., 1964, revised 1975, 1:24,000 scale; and Long Island, Wis., 1964, revised 1975, scale 1:24,000.

COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS Chart No. 14974, scale 1:15,000 21st edition, dated June 2, 1979.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

J. Jeffery C. Moler Cartographic Technician August 21, 1979

Approved,

James L. Byrd, Jr.

Chief, Coastal Mapping Unit

51. METHODS

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

The shoreline inspection was conducted from a skiff run close to shore, and by truck.

One landmark has been recommended for charting and is photo identified on Photograph $78 \, \text{E}(p)$ 0007. One landmark has been recommended for deletion on the same Photograph.

There are many offshore areas on this sheet that are indicated as foul with numerous piling. It was reported by long time local residents that many lumber mills used to be in existence along the shore of Chequameson Bay and that many were large in size. When logs were prepared for use as lumber, the edges were cut off and discarded. The cut-off edges were called slabs and reportedly the slabs were dumped into the bay and eventually became waterlogged and sank. Some of the piling areas in question were found to have these slabs littering the bottom but no standing piles were found other than those that are indicated as ruins on the Discrepancy Print and the Photographs. The limits of the slab areas could not be determined due to the depth of the water affording no visibility of the limits, and the lack of equipment to hydrographically locate the limits. It is recommended that the probable "slab" areas be left as they are presently charted until hydrography can be initiated in the area.

Field Edit notes will be found on the Photographs and the Discrepancy Print.

52. ADEQUACY OF COMPILATION.

Adequate pending compilation of Field Edit.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY.

Not required.

APPROVED AND FORWARDED: Y

Robert S. Tibbetts Chief, Photo Party 62 Clifton S. Middleton, Jr. Surveying Technician

REVIEW REPORT

TP-00439

61. GENERAL STATEMENT

See Summary included with this report.

62, COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

COMPARISON WITH MAPS OF OTHER AGENCIES 63.

A comparison was made with U.S.G.S. Quadrangles: Long Island, Wisconsin, dated 1964, Washburn, Wisconsin, Ashland East and Ashland West, Wisconsin, dated 1964, photorevised 1975. All four are 1:24,000 scale.

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 N.O.S. Chart: 14974, 21st edition, dated June 2, 1979, scale 1:15,000.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Submitted by,

Lowell O. Neterer,

Approved for forwarding,

Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved,

Photogrammetric Section, Rockville:

Chief, Photogrammetry Branch, Rockville

GEOGRAPHIC NAMES FINAL NAME SHEET PH-7705 (Keweenaw Waterway, Michigan) TP-00439

Ashland |

Barksdale

Bay City Line (RR)

Bono Creek

Boyd Creek

Burlington Northern (RR)

Chequamegon Bay

Chicago and North Western (RR)

Fish Creek

North Fish Creek

Soo Creek

Soo Line (RR)

Thompson Creek

Vandeventer Bay

Washburn

Whittlesey Creek

Wyman Point

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

Page 2 of 2

Note 1972 1972 1973 1974												
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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,

Second Company Seco		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	IENT OF COMMERCE	ORIGINATING ACTIVITY	ARTY
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	RESPONSIBLE PERSONNEL	PERSONNEL	
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	c. Middleton	•	OTHER (Specify)
	C.Middleton	·	FIELD ACTIVITY REPRESENTATIVE
	D.Butler		OFFICE ACTIVITY REPRESENTATIVE
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	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,	
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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, tograph used to bject.	Photogram entry of date of 1 graph use EXAMPLE:	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 8-12-75 741(C)2982
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*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	ed by field obser- ground survey methods.	by photogrammetric methods.	ds.

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND Existing stock should be destroyed upon receipt of revision. Page 1 of 1

(8-74)			l		TIONAL OCE	ANIC AND	S. DEPARTA Atmospher	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567.	567.	FING AII			FOR CHARTS	\RTS			G GEODETIC PARTY	·
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	RESPONSIBLE PERSONNEL	PERSONNEL	
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OBJECTS INSPECTED FROM SEAWARD			GEODETIC PARTY
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	C. Middleton		FIELD ACTIVITY REPRESENTATIVE
	D. Butler		OFFICE ACTIVITY REPRESENTATIVE
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Į.	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric instructions No. 64,	METHOD AND DATE OF LOCATION'	
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EXAMPLE: F-2-6-L 8-12-75		**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control establishe	IC FIELD POSITIONS are dependent In part, upon control established
*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	are determined by field obser- ntirely upon ground survey methods.	by photogrammetric methods.	ds.

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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. Page 1 of 2

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NOAA FORM 76-40	-40		3	NA POOL	U.S. D	EPARTME	U.S. DEPARTMENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567.	Form 567.	LAN LAN	OMARKS	LANDWARKS FOR CHARTS	TS T	2	NOTICE INTERPRETATION OF THE PROPERTY OF THE P	HYDROGRAPHIC PARTY GEODETIC PARTY PHOTO FIRID BABTY	ARTY TV
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Enter the applicable data by symbols as follows: F - Field P - Photogrammetric L - Located Vis - Visually V - Verified Vis - Field identified 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 8-12-75 8-12-75 8-12-75 8-12-75 8-12-75 8-12-75 8-12-75 8-12-75 8-12-75 8-12-75 8-12-75 8-12-75	mmetric field positions*: method of location or voice field work and number of ed to locate or identify P-8-V 8-12-75 74L(C)2982	FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64)	C. Middleton Fig. D. Butler OFF	© PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify)		RESPONSIBLE PERSONNEL
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NOAA FORM 78-40 (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.

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

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