NOAA FORM 76-35 (6-80)

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

# DESCRIPTIVE REPORT

	THIS MAP WILL NOT BE F	IELD EDITED.
Map No.		Edition No.
	T-12095	1
Job No.		
	PH-7118	
Map Clas	sification	
	CLASS III FINAL	
Type of S		
	SHORELINE	
	LOCALIT	Y
State		
	MICHIGAN	
General l	Locality	
	DETROIT RIVER	
Locality		
	BELLE ISLE	
	19 <sub>71</sub> TO 19	777
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	REGISTERED IN A	RCHIVES
	ALGISTERED IN A	NOID 7 E J
DATE		
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NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	TYPE OF SURVEY	SURVEY TP12095
	ORIGINAL .	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	C RESURVEY	MAP CLASS III Final
	REVISED	JOB <b>РН-<u>7118</u></b>
PHOTOGRAMMETRIC OFFICE	LAST PRECEED	ING MAP EDITION
Coastal Mapping Unit, Atlantic Marine Center	TYPE OF SURVEY	JOB PH
Norfolk, VA	ORIGINAL	MAP CLASS —
OFFICER-IN-CHARGE	RESURVEY	SURVEY DATES:
	REVISED	19TO 19
A. Y. Bryson	<u> </u>	
I. INSTRUCTIONS DATED  1. OFFICE	1 2	FIELD
I, OFFICE		
Compilation August 11, 1977	Memo:Director:Lake	e Survey April 16,1971
Supplement I September 30, 1977	Control	October 4, 1971
Supplement II December 6, 1978		
Registration Class III May 14, 1984		
II. DATUMS		
1. HORIZONTAL: XX 1927 NORTH AMERICAN	OTHER (Specify)	
MEAN HIGH-WATER	OTHER (Specify)	
2. VERTICAL:		
MEAN LOWER LOW-WATER	International Great	it Lakes Datum 1955
MEAN SEA LEVEL  3. MAP PROJECTION	<del></del>	
,	STATE 4.	GRID(S)
I and onto Confirmal		South
Lambert Conformal 5. SCALE	Michigan STATE	ZONE
1:15.000	l	
III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY	D. Brant	
METHOD: Analytic LANDMARKS AND AIDS BY	H. Eichert	June 1972
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: CHECKED BY	D. Brant	Aug 1977 _
	H. <u>Eichert</u>	Aug 1977
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	F. Margiotta	Nov 1977 rd Nov.1977
INSTRUMENT: Wild B-8 CONTOURS BY	L. Neterer, J. By	1d NOV.1977
SCALE: 1:15,000 CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	J. Roderick	May 1979
CHECKED BY	L. Neterer	Sept 1979
CONTOURS BY	N.A.	
METHOD: Smooth drafted CHECKED BY	N.A.	
and graphic HYDRO SUPPORT DATA BY	N.A.	
1:15,000 CHECKED BY	N.A.	- 1050
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	L. Neterer	Sept 1979
6. APPLICATION OF FIELD EDIT DATA CHECKED BY	N.A.	
7. COMPILATION SECTION REVIEW Class III BY	C. Blood	May 1983
8. FINAL REVIEW Class III BY	L. O. Neterer, Jr	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	L. O. Neterer, Jr	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	P. Hawkins	Dec. 1984
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	R.S. KURNSPAN	J FEB 1985
NOAA FORM 76-36A SUPERSEDES FORM C&GS 181 SERIE	5	

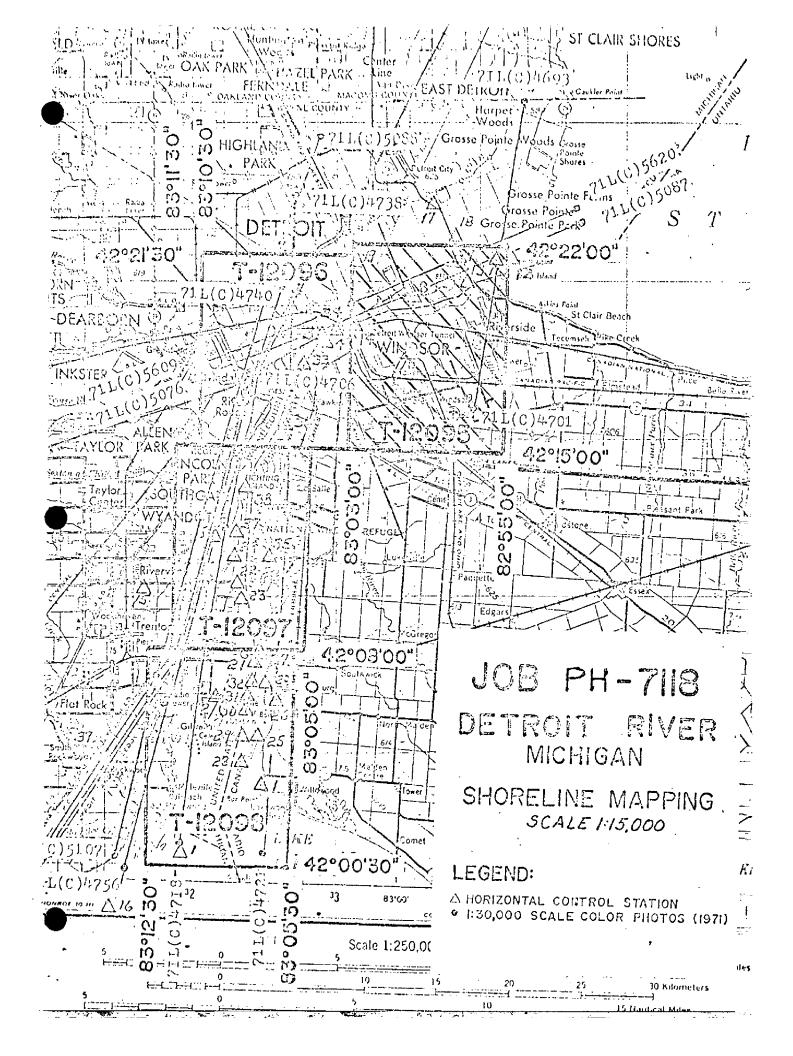
(3-72)				N,	ATIONAL OCE	ANIC AND	AT MOS P	HERIC AD	MINISTRATION
		CO	MPILATIO	N <sup>9</sup> 5oui	RCES		NA	TONAL	CEAN SURVEY
1. COMPILATION PH	OTOGRAPHY	<del></del>		_					
CAMERA(S) Wild R.C8 fc	ocal length	L=152.21mm E=152.71mm	TYPE	S OF PH	OTOGRAPHY IND		TIME	REFERE	NCE
TIDE STAGE REFERE  PREDICTED TIDE  REFERENCE STA	s		(C) COL	_GR NCHROM	ATIC		ntral		XX)\$TANDARD
TIDE CONTROLLE		нү	(I) INF	RARED		MERIO 90			DAYLIGHT
NUMBER AND	TYPE	DATE	TIME		SCALE			AGE OF TI	DE
71 L(c) 5613-5	618	May 14,1971	Not nee	eded	1:30,000	N.A	. •		
77 E(c) 1132-1	.143	May 28,1977			1:20,000				
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REMARKS The sho									
graphy. On the feet or 2.75 f							oint	Gage W	as 5,74.45
2. SOURCE OF MEAN	HIGH-WATER	INE:							
The river leve The shoreline above listed l	on both si	des of the	river wa	as com	piled by	photo i	nterp	retatio	on of the
ríver was upda	ited using	1977 color	photogra	phy.					
3. SOURCE OF MEAN	LOW-WATER O	R MEAN LOWER L	OW-WATER L	LINE:				-	
4. CONTEMPORARY	HYDROGRAPHIC	C SURVEYS (List of	only those su	irveys thi	at are sources f	or photogram	nmetric (	Burvey info	rmation.)
SURVEY NUMBER	DATE(S)	SURVEY CO	PY USED	SURVE	YNUMBER	DATE(S)		SURVEY	COPY USED
				į					
5. FINAL JUNCTION	s			<u>-</u>				·——	
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OAA FORM 76-368		·	<u></u>						· · · · · · · · · · · · · · · · · · ·
3-72)									

(3-72)		NATIONAL OCEAN	U.S. DEPARTMEN NG AND ATMOSPHERIC	
	T-12095 HISTORY OF FIELD	OPERATIONS	BRI IORRA	OUEAN SUNT
. XX FIELD INSPECTION	NOPERATION(Premarking)	LD EDIT OPERATION		
	OPERATION	N/	AME	DATE
1. CHIEF OF FIELD PART	ry	No informatio	on available	i
	RECOVERED BY	′		
2. HORIZONTAL CONTROL				<del>_</del>
	PRE-MARKED OR IDENTIFIED BY			_ <del></del> _
3. VERTICAL CONTROL	ESTABLISHED BY			- <del></del>
,	PRE-MARKED OR IDENTIFIED BY			
	RECOVERED (Triangulation Stations) BY	<del></del>		- <del></del>
4. LANDMARKS AND	LOCATED (Field Methods) BY			<del></del>
AIDS TO NAVIGATION	IDENTIFIED BY			- <del></del> i
	TYPE OF INVESTIGATION			
5. GEOGRAPHIC NAMES	COMPLETE BY	.	J	į
INVESTIGATION	SPECIFIC NAMES ONLY			
	NO INVESTIGATION			<u> </u>
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	I		
7. BOUNDARIES AND LIMI	ITS SURVEYED OR IDENTIFIED BY	<u> </u>		
HORIZONTAL CONTROL		TO VESTICAL CONT	THE INCHTIFIED	
I. HORIZONTAL CONTROL	L IDENTIFIED	2. VERTICAL CONT	ROL IDENTIFIED	<u> </u>
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3. PHOTO NUMBERS (Clari	rification of details)	<u> </u>		
<del></del>				
4. LANDMARKS AND AIDS	TO NAVIGATION IDENTIFIED			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NA	AME
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		}		
5. GEOGRAPHIC NAMES:	REPORT NONE	6. BOUNDARY AND	LIMITS: REPORT	T NONE
7. SUPPLEMENTAL MAPS				
			- <u>-                                    </u>	
8. OTHER FIELD RECORD	DS (Sketch books, etc. DO NOT list data submi	itted to the Geodesy Div	rision)	

T-12095

#### RECORD OF SURVEY USE

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I. MANUSC	RIPT COPIES		`							_
	CC	MPILA	TION STAGE	S			DATE	ANUSCR	PT FORW	ARDED
	DATA COMPILED		DATE	RE	MARKS		MARINE	CHARTS	HYORO S	UPPORT
Compila:	tion complete,						Ì			
	field edit.	Ma	y 1979	Class III	Manuscr	ipt	Aug 4.	1980	Aug 4.	1980
		<del> </del>				<u> </u>			<del></del>	
,				Final Clas			NOV 3	n 109/		
Final re	eview Class III	June	e 1984	No field e	dit perf	ormed	MOA 9	0 1304		
_		+					<del></del>			
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									<u> </u>	
II. LANDM	ARKS AND AIDS TO NAVIGA	TION								
1. REPO	ORTS TO MARINE CHART D	IVISIO	N, NAUTICAL	DATA BRANCH						
NUMBER	CHART LETTER Number assigned		DATE	ļ.		REM	ARK\$			
(pages)	NUMBER ASSIGNED	+-	RWARDED	<del> </del>						
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3		NOI	/ 3 0 1984	Landmarks	for cha	rts.				
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	REPORT TO MARINE CHAR							V. 8050.	<del></del> -	
	REPORT TO AERONAUTICA	_	KI DIVISION,	, AEHONAUTICAL	- DATA SEC	ITON. D.	ATE FOR	NARDED:		
1-: <b>\</b> ∞\	BRIDGING PHOTOGRAPHS;	: 😿	DUPLICATE	BRIDGING REPO	RT; X C	OMPUTE	R READO	UTS.		
	CONTROL STATION IDENT									
3. 💢	SOURCE DATA (except for G	aograp	hic Names Re	port) AS LISTED	IN SECTION	II, NOAA	FORM 76-	36C.		
	ACCOUNT ON EXCEPTION	43.								
4 🗀	DATA TO FEDERAL RECOI	RDS CE	ENTER DAT	F FORWARDED:						
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TV. JURYE	Y EDITIONS (This section s	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	JOB NUMBE		2 801110n 18 16		TYPE OF	SURVEY	<u></u>	
SECOND	TP	_ (2)	PH			RE	VISED	RES	URVEY	
EDITION	DATE OF PHOTOGRAP	нү	DATE OF FI	ELD EDIT	_	_	MAPC	LASS		
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EDITION	TORIL OF PROTOGRAPH	``	DATE OF FI	ELU EUIT	<u>□</u>	□ш.	MAP C	_	FIN	<u>,</u>
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EDITION	DATE OF PHOTOGRAPH		DATE OF FI	ELD EDIT	_		MAPC	LASS		
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# SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT T-12095

This 1:15,000 scale shoreline map is one of four maps that makeup project PH-7118, Detroit River, Michigan.

This project encompasses the Detroit River from the south entrance at Lake Erie, latitude 42°00'30" to the north entrance at Lake St. Clair, latitude 42°22'00".

Correspondence from the Chief, Photogrammetric Division dated May 14, 1984 called for the four maps to be registered as Class III maps.

Information concerning field work prior to compilation was not available.

Photographic coverage was provided in May 1971 for aerotriangulation using color film with the "L" camera (focal length 152.21mm) at 1:30,000 scale. The same photography was used for compilation. Additional photography was taken in May 1977 to update compilation on the American side of the river using the original control. This photography was taken with color film using the "E" camera (focal length 152.71 mm) at 1:20,000 scale.

Analytic aerotringulation was performed at the Washington Science Center in April 1971.

Compilation was performed at the Atlantic Marine Center from office interpretation of the 1971 and 1977 color photography in September 1979.

Final review was performed at the Atlantic Marine Center in June 1984. This map is to be registered as a Final Class III map.

The original base manuscript and all relevant data were forwarded to the Washington Science Center for final registration.

# FIELD INSPECTION T-12095

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 Detroit River

# June 1972

# 21. Area Covered

This report covers an area of the Detroit River south from latitude 42° 22° to latitude 42° 00°. This job was bridged for the Lake Survey Center and will be compiled direct on the Kelsh Plotter at a scale of 1:6,000.

# 22. Method

Four (4) strips of photographs (strips 1 thru 4) were bridged using analytical aerotriangulation methods. All Strips except strip 4 were adjusted to either premarked control stations or to control stations identified direct. A tie point (common image point) from strip 3 was used as a terminal control station in strip 4. This was necessary because the target for GRASSY was not visible on the photography. Ties were made between all strips. The accompanying sketch shows the location of the strips of photographs and the horizontal control stations used in the bridging. Data for the 1:6,000 scale compilation of work sheets were plotted by the Coradomat on the Michgan (south zone) Coordinate System.

# 23. Adequacy of Control

All horizontal control stations were premarked except for the following:

TRENTON RADIO STATION WGAR (center mast) WYANDOTTE HUNICIPAL WATER TANK WINDSOR AMBASSADOR BRIDGE North Tower WINDSOR AMBASSADOR BRIDGE South Tower WINDNILL PT L.H.

Station GRASSY (USLS) was marked with a four (4) foot square. This target could not be seen on the 1:30,000 scale bridging photography and was not used in the adjustment. Horizontal control was adequate.

# 24. Supplemental Data

USGS quadrangles and maps (Mines and Technical Surveys of Canada) were used to provide vertical control for the strip adjustment.

# 25. Photography

The following RC-8 photography was used in bridging:

# 1:30,000 scale

Strip 1 - 71-L(C)-5611 thru 5618 Strip 2 - 71-L(C)-4722 thru 4735 Strip 3 - 71-L(C)-4707 thru 4715 Strip 4 - 71-L(C)-5097 thru 5109

The photography was dark in the corners. This was not only troublesome during the bridging operation but may cause difficulty during compilation.

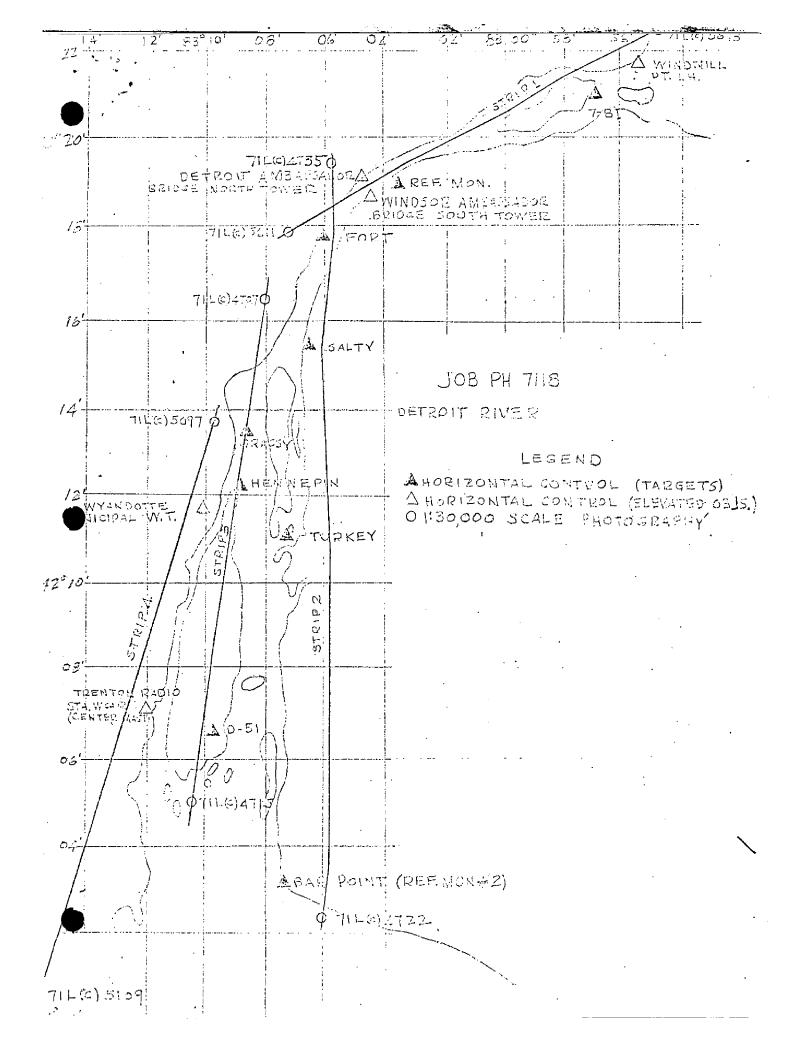
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Respectfully submitted:

Donald M. Brant Cartographer

Approved and forwarded:

Henry P. Eichert, Chief Aerotriangulation Section



NOAA EODW 74-41					
(6-75)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL BECORD		U.S. DEPARTMENT OF COMMERCET NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	Y11.
T-12095.	PH-7118		N.A. 1927	Coastal Mapping	ing Unit, AMC
STATION NAME	SOURCE OF	AEROTRI-	COORDINATES IN FEET STATE Michigan		1 1
	(Index)	POINT	1 11		
	Bridge		x= 2,372,852.481	e	
7 BI (USLS), 1931	Form 164	16100	y≈ 311,804.172	γ	
DEINOIL; WINDMILL POINT LIGHTHOUSE	IBC		x = 2,379,309,190	φ 42° 21',27.225"	
1932	pg. 5	17100	y= 315,688.776	λ 82° 55' 47.859"	
DETROIT ST. JOSEPHAT			x= 2,347,347.80	φ.	
CAIRULLU CHUKUR SFIKE,		14114	<i>y</i> = 315,412.80	۲	
DETROIT RADIO STATION V O A 414 NODTHEAST MAST	420832		x = 2,360,681.28	φ 42° 20' 17.597"	
	1048	14118	y= 308,336.58	λ 82° 59' 57.479"	
DETROIT RADIO STATION V O A 414 CONTRINEST MAST	420832		x = 2,360,476.07	\$ 42° 20' 14.817"	
N.Q.A. 414, SOUTHWEST FEST, 1957	1049	14120	y≈ 308,051.88	λ 83° 00' 00.271"	
DETROIT EDISON COMPANY DIANT NORTH STACK	420832		x= 2,371,166.11	\$ 42° 21' 31.771"	
1932	1014	16114	y= 316,014.74	λ 82° 57' 36.229"	
WINDSOR, GENERAL MOTORS,	420832		x= 2,360,627.13	\$ 42° 18' 28.91"	
	1090		y = 297,332.02	λ 83° 00' 00.52"	
WINDSOR, GENERAL MOTORS	420832		x = 2,360,480.59	φ 42° 18' 28.93"	
1932	1091		y= 297,331.72	λ 83° 00' 02.47"	
BELLE ISLE, WILLIAM LIVING-	420832		x= 2,372,769.84	\$ 42° 20' 49.132"	
	1010	16110	y=311,724.13	λ 82° 57' 15.807"	· ·
WINDSOR-CANADIAN PACIFIC	420832		x= 2,347,373.67	φ 42° 19' 02.347	·
	1089	14112	y≈ 300,511.19	λ 83° 02' 56.233"	
computed by F. Margiotta		DATE 8/23/77	COMPUTATION CHECKED BY A. C. Rauck, Jr.		DATE 9/15/77
LISTED BY		DATE 8/22/77	LISTING CHECKED BY F. Margiotta		DATE 8/23/77
HAND PLOT ING BY		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE	ICH IS OBSOLETE.	

NUA   FURM   NO-14					U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	/ITY
T-12095	PH-7118	80.	N.A. 1927	Coastal Mapping Unit,	ng Unit, AMC
	1000	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	
STATION NAME	SOURCE OF INFORMATION	ANGULATION	STATE_Michigan_		REMARKS
- 1	(2000)	NUMBER	zone South	γ rongitude	
WINDSOR T.V. STATION	420832		X= 2,347,217.41	φ 42° 18' 59.534"	
1957	1093		y = 300,224.02	λ 83° 02' 58.371"	
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COMPUTED BY F. Margiotta		B/23/77	COMPUTATION CHECKED BY		DATE 9/15/77
LISTED BY A.C. Ranck Ir		DATE 8/23/77	LISTING CHECKED BY  F. Marolotta		DATE 8/23/77
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	H IS OBSOLETE.	

# COMPILATION REPORT T-12095

#### 31 - DELINEATION

Delineation was accomplished using the B-8 stereoplotting instrument and graphic compilation methods. The maphis based on office interpretation of the May 1971, 1:30,000 scale bridging/compilation color photographs. Supplemental photographs, flown in May 1977, were used to graphically update the American side of the map, based on the original 1971 control.

All photographs used to compile the map are listed on form 76-36B. The photography was adequate. The times of photography were not needed because of the river levels are recorded as a daily mean, since there is no actual tide.

# 32 - CONTROL

The horizontal control was adequate. Refer to the Photogrammetric Plot Report dated June 1972.

# 33 - SUPPLEMENTAL DATA

None.

#### 34 - CONTOURS AND DRAINAGE

Contours are not applicable to this 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 1971 compilation photographs with the 1977 supplemental photographs used to update the map as described in Item #31. The shoreline compiled was the visible line of contact between land features and the water surface at the time of photography.

#### 36 - OFFSHORE DETAILS

No unusual problems. See Item #31.

# 37 - LANDMARKS AND AIDS

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

#### 38 - CONTROL FOR FUTURE SURVEYS

None.

# 39 - JUNCTIONS

See the attached form 76-36B, Item #5 of the Descriptive Report concerning junctions.

# 40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Report dated June 1972. See Item #32.

# 46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. Geological Survey Quadrangles: Belle Isle, Mich.-Ont., scale 1:24,000, 1968, photorevised 1973; and Detroit, Mich.-Ont., scale 1:24,000, 1968, photorevised 1973.

# 47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Survey Chart 14853, scale 1:15,000, April 17, 1976, 7th edition.

# ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

# ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

J. Roderick Cartographer May 31, 1979

Approved,

James L. Byrd, Jr.

Chief, Coastal Mapping Unit

# REVIEW REPORT SHORELINE T-12095

# 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. quadrangles: Belle Isle, Michigan-Ontario and Detroit, Michigan-Ontario. Both are dated 1968, photorevised 1973, and 1:24,000 scale.

# 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

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

# 65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS Charts: 14848, 45th edition, scale 1:30,000, dated April 21, 1982; and 14853, 8th edition, scale 1:15,000, dated April 14, 1979.

# 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

Lowell O. Neterer,

Final Reviewer

Approved for forwarding,

Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved.

Chief, Photogrammetric Section, Rockville

Chief, Photogrammetry Branch,

Rockville

# GEOGRAPHIC NAMES

# FINAL NAME SHEET

# PH-7118 (Detroit River, Michigan)

# TP-12095

Belle Isle

Blue Heron Lagoon

Canadian National (RYS)

Conners Creek

Conrail (RR)

Detroit

Detroit River

East Windsor

Essex Terminal (RY)

Fleming Channel

Grand Trunk Western (RR)

Grosse Pointe Park (locality)

Lake Muskoday

Lake Okonoka

Lake St. Clair

Lake Tacoma

MacArthur Bridge (cultural)

Peche Island

Riverside

Scott Middle Ground

Windmill Point

Windsor

Approved by:

Charles E. Harrington

Chief Geographer

Nautical Charting Division

										)
	NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.	m 567.	AIDSXORXXANDMARKS FOR CHARTS	DAKKRES	FOR CH	ARTS	S. DEPART	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION KS FOR CHARTS		ACTIVITY
	XX TO BE CHARTED TO BE REVISED TO BE DELETED	REPORTING UNIT  (Field Part, Ship or Office) SED  (Coastal Mapping Unit :TED  AMC, Norfolk, VA	STATE Michigan		LOCALITY Detroit River	River	PESCHOOL TO THE	DATE 5/30/79	AND THE TO THE TO THE TO THE TO THE TO THE TO THE	RTY TIVITY OL & REVIEW GRE
	The following objects	objects HAVE HAVE NOT XX been inspected from	inspected from sea	ward to de	seaward to determine their value as landmarks	ir value as	landmarks.		(See reverse for responsible personnel)	sible personnel)
10.3			NOMBER	MU I AU	N.A. 19	1927		METHOD AND DA	METHOD AND DATE OF I OCATION	
	N.A.	PH-7118 T-120	1095		POSITION	ION		(See instructions	(See instructions on reverse side)	CHARTS
		DESCRIPTION		LATIT	LATITUDE	LONGITUDE	TUDE			AFFECTED
-	CHARTING	(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	to navigation. able, in perentheses)	1 0	// D.M. Meters	1 0	// D.P.Meters	OFFICE	FIELD	
*	LIGHTS	Memorial Park Marina Lights (east)				Season	55 12 1 W	Not identifiable		14848
*	LIGHTS	Memorial Park Marina Lights (west)	Mappy 2 3 2 1.0	Lower				Not identifiable	, n	14848
	* *	Charted as two lights but listed once in both 1979 and 1984 Light	isted only Light Lists.					#F (a) > 48%	ν.	
	LIGHT	Canadian lightnot listed : Light List	in U.S.					Not identifiable		14848 14853
	LIGHT	Detroit Boat Club Light	Barras	42 20	29.59	82 59	34.99	77 E (C) 1137		14848 14853
	LIGHT	Waterworks Intake Crib Light	TITOTE SOS CA	42 21	08.26	82 59	00,17	77 E (C) 1141 May 28, 1977	1. 水平河 美农园	14848 14853
	LIGHT	Waterworks Intake Lagoon Light	ght	42 21	00.16	82 57	16.78	77 E (C) 1141 May 28, 1977		14848 14853
	LIGHT	Belle Isle Light	1017	42 20	24.11	82 57	37.79	77 E (C) 1139 May 28, 1977	BIATES AT LET TO A	14848 14853
	LIGHT	William Livingstone Memorial (Belle Isle, William Livingst Lighthouse, 1932)	Light	42 20	49.132	82 57	15.807	77 E (C) 1141 May 28, 1977		14848 14853
	LIGHTS	Memorial Park Marina West Er Lights	Entrance	SEEGMER	TE bribe	1.0		Not identifiable	Selection of the select	14848

TYPE OF ACTION  OBJECTS INSPECTED FROM SEAWARD  F-5511 IONS DETERMINED AND/OR VERIFIED	RESPONSIBLE PERSONNEL	RERSONNEL	ORIGINATOR  ORIGINATOR  PHOTO FIELD PARTY  HYDROGRAPHIC PARTY  GEODETIC PARTY  OTHER (Specify)  FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			REVIEWER  QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
1	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,	METHOD AND DATE OF LOCATION' ric Instructions No. 64,	,
	(Consult Photogrammetr	ric Instructions No. 64,	
OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the bject.  EXAMPLE: 75E(C)6042  FIFID  FIFID	TED OBJECTS (including month, ograph used to ject.	FIELD (Cont'd)  B. Photogrammetric field entry of method of lod date of field work argraph 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>
EW POSITION DETERMINED nter the applicable dat - Field P Located Vis - Verified - Triangulation 5 - Traverse 6 -	data by symbols as follows: - Photogrammetric is - Visually - Field identified - 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	ION RECOVERED aid which is also a tri- is recovered, enter 'Triang. recovery. Rec.
tion 7 - n 8 -	Planetable Sextant	VERIFIED '	VISUALLY ON PHOTOGRAPH date.
tions* nd dat( F-2-6-  8-12-7	require entry of method of e of field work.		V-Vis. 8-12-75 IC FIELD POSITIONS are dependent
*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	d by field obser- round survey methods.	by photogrammetric methods.	etric methods.

NOAA FORM 75-40 (8-74)

SUPERSEDES NOAA FORM 78-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S.GPO:1975-0-665-080/1155

2 of 2

Note   Column   Note   Colum		7 JO 7							)
NONFLOATING   NONFLOATING ALDS GRECKERED KNEETE   STATE   COCALITY   Cocast Seal Mapping Unit   STATE	NOAA FORM 76- (8-74)			NATIONAL	OCEANIC AND	I.S. DEPART	MENT OF COMMERCE	ORIGINATING A	CTIVITY
The selective   Second reason for designation and the second reason for designation and seco	Replaces C&GS		ATING AIDS BREKLYKING	HAMPHAS FOR	CHARTS			HYDROGRAPHIC P.  GEODETIC PARTY  BHOTO FIRE D DAR	ARTY
The following electricity of Coastal's Hajority of the following contents of the following electricity ele	XX TO BE CHAR			LOCA	LITY		DATE	XXCOMPILATION ACT	. ALINITA
The following tables:   HAVE   HAVE NOT F3 been impacted from second to determine their value on landsmarks.   Ann 1927	TO BE REVI	-		Deti	roit River		5/30/79	FINAL REVIEWER	LAREVIEW GRP.
N.A.   PH-7118   T-12095   N.A. 1927   METHOD AND DATE OF LOCATION   ANALES   ANAL	The following	HAVE	S been inspected	ward to determin	e their value a	s landmarks		(See reverse for respons	ible personnel)
N.A.   FH-7118	OPR PROJECT	n sor	SURVEY NUMBER		1				
CHANTING   Record reason for detailor of indicates agriculture   CHANTING   CONTINUE	N.A.	PH-7118	T-12095	N.A.	1927		METHOD AND DAT	E OF LOCATION	0 0 0
CHARING   Proceed range on addition of Limbania to add on any spatial   Charing   Ch		1100000	1		- 1	ITUDE			AFFECTED
Mcmorial Park Marina East Entrance   1,16HTS   1,16HTS   1,16HTS   1,16HTS   1,16HTS   1,16HTS   1,16HTS   1,16HTS   1,16HTS   1,16HT	CHARTING	Record reason for deletion of landma. Show triangulation station names, wh	ark or aid to navigation.	<u> </u>	•	// O D Merers	OFFICE	FIELD	
1.00   1.00		Memorial Park Marina E	last Entrance				Not		14848
1   Peche Island Light	LIGHTS						identifiable		14853
Mindmill Point Light				54	54	33.68	77 E (C) 1143		14848
Windmill Point Light   Coetcoit, Windmill Point Lighthouse,   42 21   82 55   77 E (C) 1143	LIGHT	Peche Island Light	•	20	82		May 28, 1977		14853
Matericont Park Breakwater   Waterfront Park Breakwater Outer Light   Windmill Point Park Breakwater Outer Light and Windmill Point Park Break   Water Inner Light.   Wat		Windmill Point Light	1.4.4.4.0.100	27.	225	•	11		17,87,8
Waterfront Park Breakwater  Waterfront Park Breakwater  Waterfront Park Breakwater  Waterfront Park Breakwater  Index light  * Only one light is charted but two are listed in the 1979 Light List. The listed in the 1979 Light List. The Windmill Point Park Breakwater Outer Light and Windmill Point Park Break  Water Inner Light.	LIGHT	ore, writement	acnonagra -		- 1		28,		14853
Waterfront Park Breakwater  Waterfront Park Breakwater  Waterfront Park Breakwater  * Only one Light is charted but two are listed in the 1979 Light List. The listed in the 1979 Light List. The Windmill Point Park Breakwater Outer Light and Windmill Point Park Breakwater Light.		Park	4	[	ij		No.		14848
Waterfront Park Breakwater  LIGHT Inner Light  * Only one light is charted but two are listed in the 1979 Light List. The listed in the 1979 Light List. The light Light List calls these two lights Windmill Point Park Breakwater Outer Light and Windmill Point Park Break- water Inner Light.							identifiable		14853
* Only one light is charted but two are long one light List. The light Light List calls these two lights Windmill Point Park Breakwater Outer Light and Windmill Point Park Break- water Inner Light.		Waterfront Park Break	vater		.		Not		14848
	THETT	Inner Light				_	identitiable		14853
Windmill Point Park Breakwater Outer Light and Windmill Point Park Break- water Inner Light.	*		9 E						
Windmill Point Park Break- Light and Windmill Point Park Break- water Inner Light.		1984 Light List calls	these two lights						
and windmill Inner Light.	-	Windmill Point Park Br	reakwater Outer						
		and windmill Inner Light.	int rark break-						
		· ·			<del>                                     </del>				
								;	
					· <del>_ ·</del>				

*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	A. Field positions* require location and date of fit EXAMPLE: F-2-6-L	3 - Intersection 7 - Plants 4 - Resection 8 - Se	ation 5 -	N DETERMINED	day, and year) of the photograph used identify and locate the bject.  EXAMPLE: 75E(C)6042  8-12-75	OFFICE  1. OFFICE IDENTIFIED AND LOCATED OBJECTS  Enter the number and date (including month)		FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	CONTINUED AND ON A CHIEF CO		COLECTION TRUTTED TRUTTED TRUTTED		TYPE OF ACTION	
ods.	require entry of method of e of field work.	Planetable III.   Sextant	tified	s as follows:	ograph used to	- FIEL	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,		F. Margiotta				NAME	RESPONSIBLE PERSONNEL
entirely, or in part, upon control established by photogrammetric methods.	V-Vis. 8-12-75	<b>?</b> <	Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75	<b>a</b> –	(0 -7)	D (Cont'd)  B. Photogrammetric field positions** require	OD AND DATE OF LOCATION' ructions No. 64,	REPRESENTATIVE	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	GEODETIC 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.

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	7 7 1					!			
NOAA FORM 76-40	-40		TAN	NATIONAL OCE	OCEANIC AND	TAPART	U.S. DEPARTMENT OF COMMERCE AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	TIVITY
Replaces C&GS Form 567.	т 567.	HIGHEKOATANGKATOSKOR LANG	OMARKS		RTS			HYDROGRAPHIC PARTY GEODETIC PARTY PHOTO FIRID PARTY	·
XXTO BE CHARTED	Γ	STATE		LOCALITY			DATE	COMPILATION ACTIVITY	; ;TY
TO BE REVISED	Coastal Mappir			· C	, , ,		5/30/70	TINAL REVIEWER  QUALITY CONTROL & REVIEW GRP.	REVIEW GRP.
T, 7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	AMC.	VA   MICHIGAN	mond to do	Derron	TEATTO	landmarke	13/30/12	(See reverse for responsible personnel)	e personell
OPR PROJECT NO.	NON BOL	INTER SURVEY NUMBER DATUM	DATUM		2010	2			
				N.A. 1927	7.		METHOD AND DATE OF LOCATION	E OF LOCATION	
N.A.	PH-7118	T-12095		POSITION	NOI		(See instructions on reverse side)	on reverse side)	CHARTS
	DESCRIPTION	LION	LATITUDE	. agn.	LONGITUDE	rude			AFFECTED
CHARTING	(Record reason for deletion of landmark or aid to nevigation.  Show triangulation atation names, where applicable, in parentheses)	mark or aid to nevigation. These applicable, in parentheses)	1 0	// D.M.Meters	,	// D.P.Meters	OFFICE	FIELD	
				16.24		35 12	77 E (C) 1139		14848
FP	Belle Islelower cer	center	42 20	501	82 58	804	y 28, 1		14853
				06.55		18 82	77 E (C) 1139		14848
CARTLLON			42 20	202	82 59	431	May 28, 1977		14853
	S signal	at Coast Guard		24.50		35 91	77 E (C) 1139		14848
FP	on chart	11100	42 20	756	82 57	822	May 28, 1977		14853
				34.74		8.91	77 E (C) 1137		14848
* CUPOLAS	Northeasterly of Two		42 19	1072	83 00	204	May 28, 1977		14853
				33.54		58.48	77 E (C),1137		14848
* CHYS	Northeasterly of Four		42 19	1035	82 59	1339	May 28, 1977		14853
	·			32.80		00.70	77 E (C) 1137		14848
* CHYS	Northwesterly of Four		42 19	1012	83 00	16	May 28, 1977		14853
·				26.87		54.11	77 E (C) 1137		14848
* TANK			42 19	829	82 59	1239	May 28, 1977		14853
				34.61		9.43	77 E (C) 1137		14848
* CUPOLAS	Southwesterly of Two	٠	42 19	1068	83 00	216	May 28, 1977		14853
				35.23		11.84	77 E (C) 1137		14848
STACK	Northeasterly of Two.		42 20	1087	83 00	27.1	May 28, 1977		14853
				34.90	_ <del></del>	12.62	77 E (C) 1137		14848
STACK	Southwesterly of Two		42 20	1077	83 00	289	May 28, 1977		14853

8-12-75 *FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	<ul> <li>3 - Intersection / - Planetable</li> <li>4 - Resection 8 - Sextant</li> <li>A. Field positions* require entry of location and date of field work.</li> <li>EXAMPLE: F-2-6-L</li> </ul>	I. NEW POSITION DETERMINED Enter the applicable dat F - Field P - L - Located Vis V - Verified 1 - Triangulation 5 - 2 - Traverse 6 -	OFFICE (DENTIFIED AND LOCATED OBJECTS 1. OFFICE (DENTIFIED 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		FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	f-0511 IONS DETERMINED AND/OR VERIFIED	OBJECTS INSPECTED FROM SEAWARD	TYPE OF ACTION	
entirely, or by photogramm	method of EXAMPLE: V-1 8-	s as follows: tric  tric  EXAMPLE:	FIELD (	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,		F. Margiotta		NAME	RESPONSIBLE PERSONNEL
in part, upon control established etric methods.	ERIFIED VISUALLY ON PHOTOGRAPH  is. and date.  V-Vis.  8-12-75	dmark or aid which is also a tri- station is recovered, enter 'Triang, date of recovery, Triang. Rec. 8-12-75	(Cont'd) Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photo- graph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982		REVIEWER     QUALITY CONTROL AND REVIEW GROUP     REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE OFFICE ACTIVITY REPRESENTATIVE	☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify)	ORIGINATOR	

NOAA FORM 75-40 (8-74)

SUPERSEDES NOAA FORM 75-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION,

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NOMPAGAGANGER LANDARRYS FOR CHARTS   Columnistic Administration   Construct	NOAA FORM 76-	2 of 3				U.S. D	EPARTM	ENT OF COMMERCE	VILVITA SKITANIS	CTIVITY
STACKS   SCOUTHWESTERING STATE   STATE   COCALITY   COCACALITY   COCALITY	(8-74)		THE THE TANK	MARKS FOR	CHARTS	AND ATM	OSPHERI	C ADMINISTRATION	HYDROGRAPHIC PARTY	RTY
Constraint   Con	Replaces C&GS								PHOTO FIELD PARTY	7.4
The delocing above setting   Alich Edge	XX TO BE CHAR			, LOC	<u> </u>			DATE	XXCOMPILATION ACTIVITY	IVITY
The following objects   AAVE   AAVE NOT   RAN   Bear   Inspected from second to determine their volta os   Goodmonks.	TO BE DELE			De	troit R	iver	;	5/30/79	C QUALITY CONTROL & REVIEW GRE	. R.REVIEW GRP ACH
N.A.   1927	The following	ects HAVE	been inspected from sea	ward to determin	ne their val	ue as land	Imorks.		(See reverse for responsible personnel)	ible personnel)
N.A.   PH-7118   T-12095   N.A.   PostTon	OPR PROJECT		SURVEY NUMBER							
Chicket   Chic	× 2	. PH-7118	T-12095	- 1	1927 POSITION			METHOD AND DAT (See instructions	re of Location	CHARTS
Character   Pasced control   Pasced co	N • 53 •			LATITUDE		ONGITUD	<del> </del>			AFFECTED
TANK  Southwesterly of Seven  STACKS  SOUTHWESTERLY OF Seven  STACK  SOUTHWESTERLY OF Seven  STACK  SOUTHWESTERLY OF Seven  STACK  STACK on Chart 14853  STACK  (Detroit Radio Station K.Q.A. 414  A2 20  12.59  RAY 2  RAY 3  RAY 2  RAY 3  RAY 2  RAY 3  RAY 3  RAY 3  RAY 4  A2 20  RAY 2  RAY 2  RAY 3  RAY 3  RAY 3  RAY 4  A2 20  RAY 2  RAY 3  RAY 3  RAY 4  RAY 6  RAY 1  RAY 1  RAY 1  RAY 2  RAY 2  RAY 3  RAY 3  RAY 3  RAY 3  RAY 3  RAY 4  RAY 1  RAY 1  RAY 1  RAY 2  RAY 2  RAY 3  RAY 4  RAY 4  RAG 19 150  RAY 2  RAY 2  RAY 3  RAY 3  RAY 3  RAY 3  RAY 3  RAY 3  RAY 4  RAY 6  RAY 1  RAY 2  RAY 1  RAY 2  RAY 1  RAY 1	CHARTING	DESCRIPTIO (Record reason for deletion of landmark Show triangulation station names, wher	N k or aid to navigetion. • applicable, in perentheses)	\	·	a o	// Meters	OFFICE	FIELD	
Southwesterly of Seven   42 20 1249   83 00 286   May 2				40.	48-	=	+	(C)		14848
STACKS Southwesterly of Seven	TANK			20	83			3		14853
STACKS STACK on Chart 14853 42 21 903 82 57 856 May 2  STACK  (Detroit Radio Station K.Q.A. 414 42 20 14.817 82 55 1116 May 2  R TR (Detroit Radio Station K.Q.A. 414 42 20 14.817 82 59 1116 May 2  R TR (Detroit Radio Station K.Q.Q. 414 42 20 14.817 82 59 1116 May 2  R TR (Windsor T.V. Station CKLW, Mast, 42 20 181 82 59 1321 May 2  T.V. (Windsor T.V. Station CKLW, Mast, 42 18 83 02 56.233 77 E  R RELAY TR Relay Tower 1957)  BLDG City National Bank 42 10 156 83 02 1358 May 2  R ASST 1957		<b>.</b>		29.	26	75	ģ	7 E (C) 1141		14848
STACK   Chetroit Radio Station K.Q.A. 414   42 20   12.597   77 E	STACKS	- 1		71		-		28,		14853
STACK   Chetroit Radio Station K.Q.A. 414   42 20   17.597   57.479   77 E			-	32.	96	84	76	44 E (C) 1143		14848
R TR	STACK			21	_			28,		14853
R TR   (Verticast Mast, 1957)   Ray 2   Ray 3   Ray			K O A 41	17.	597	57	479	77 E (C) 1137		14848
Courthwest Mast   Courthwest	R TR	Northeast Mast, 1957)		- 1	82	59		28,		14853
FOINTAIN James Scott Memorial Fountain		(Detroit Radio Station	71	-	817	8	271	ы		14848
T.V. (Windsor T.V. Station CKLW, Mast, 42 18 83 02 58 371 77 E 8130		Southwest Mast)	;		83	00		28,		14853
T.V. (Windsor T.V. Station CKLW, Mast, 42 18 83 02 58.371 77 E  R.RELAY TR Relay Tower 1957)  BLDG City National Bank 42 19 1506 83 02 175  May 2  R. RELAY TR Relay Tower 1957)  R. Relay Tower 1957					87	3	··· T	77 E (C) 1137		14848
T.V. (Windsor T.V. Station CKLW, Mast, 42 18 83 02 May 2  R RELAY TR Relay Tower 1957)  BLDG City National Bank 42 19 1506 83 02 1179 May 2  R RELAY TR Relay Tower 1957)  R RELAY TR Relay Tower 1957)  R As RELAY TR Relay Tower 1957)	FOUNTAIN	Scott Memorial	ountain	707	$\dashv$	$\dashv$		28,		14853
MAST       1957)       May 2         R RELAY TR       Relay Tower 1957)       42 19       83 02       May 2         BLDG       City National Bank       42 19 1506       83 02 1179 May 2         R       42 19 1506       83 02 1179 May 2         R       42 19 1506       83 02 1179 May 2         R       42 19 1506       83 02 1179 May 2         R       56.62       54.95 77 E	T.V.	T.V. Station		59	534	<del>-</del> 28	371	Ħ		14848
R RELAY TR Relay Tower 1957)  BLDG City National Bank  R RELAY TR Relay Tower 1957)  R RELAY TR Relay Tower 1957)  Ag 19				٦	- 1	02		28,		14853
R RELAY TR       Relay Tower 1957)       42 19       83 02       May 2         BLDG       City National Bank       42 19 1506       83 02 1179       May 2         R       56.62       54.95       77 E         R       77 E       54.95       77 E			Railr	•	347	<u>5</u>	233	77 E (C) 1134		14848
City National Bank 42 19 1506 83 02 1179 May 2 56.62 54.95 77 E	R RELAY	Relay Tower 1957)		7	- 1	02		28,		14853
City National Bank 42 19 1506 83 02 1179 54.95				48.	81	5		田		14848
MAST (2) 10 1747 83 02 1258	BLDG			7	+	-+		28.		18453
MAST 1758 May 28	~			35	62	54	$\neg  op$	77 E (C) 1134		14848
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	MAST			42 191 17	83	02 1 1	1258 1	fay 28, 1977		14853

POSITIONS ps based e		DETERMINED plicable dat P vis			FORMS ORIGINATED BY QUALITY CONTROL.  AND REVIEW GROUP AND FINAL REVIEW  ACTIVITIES	FOSTITIONS DETERMINED AND/OR VERIFIED	OBJECTS INSPECTED FROM SEAWARD	TYPE OF ACTION	
* *	Theodolite Planetable III Sextant	NED OR VERIFIED data by symbols as follows: P - Photogrammetric Vis - Visually 5 - Field identified	,	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,		F. Margiotta		NAME	RESPONSIBLE PERSONNEL
**PHOTOGRAMMETRIC FIELD POSITIONS entirely, or in part, upon controls by photogrammetric methods.	<pre>1. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V+Vis.' and date. EXAMPLE: V-Vis.</pre>	I. 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	FIELD (Cont'd)  B. Photogrammetric field posing entry of method of locatic date of field work and number of the field work and number of field positions.  EXAMPLE: P-8-V  8-12-75  74L(C)2982	HOD AND DATE OF LOCATION' structions No. 64,	REPRESEN	FIELD AC	☐ PHOT		SONNEL
POSITIONS are dependent upon control established thods.	ON PHOTOGRAPH	ION RECOVERED aid which is also a tri- is recovered, enter 'Triang. recovery. Rec.	<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>		REVIEWER  QUALITY CONTROL AND REVIEW GROUP  REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	PHOTO FIELD PARTY HYDROGRAPHIC PARTY GEODETIC PARTY OTHER (Specify)	ORIGINATOR	

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 75-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION,

☆ U.S.GPO:1975-0-665-080/1155

3 of

Replaces C&GS Form 567.  Replaces C&GS Form 567.  TO BE CHARTED  The following objects of the following objects of the project no.  N.A.  CHARTING Record of the name of the show the shower	REPORTING	KANDÁXOR	NAT NAT	LANDMARKS FOR CHARTS	ANIC AND /	S. DEPARTA ATMOSPHEE	U.S. DEPARTMENT OF COMMERCE AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY HYDROGRAPHIC PARTY GEODETIC PARTY	ARTY
MEDIAGES LANDS FORM DOS.  MEDIATO BE CHARTED  TO BE REVISED  The following objects OPR PROJECT NO.  N.A.  CHARTING Record I Show till NAME Show till	REPORTING	STATE						<u>}[</u>	
The following objects  The following objects  OPR PROJECT NO.  N.A.  CHARTING (Record of the NAME of the Shop the theology)	REPORTING UNIT	_						PHOTO FIELD PARTY	<b>≯</b> +×
The following objects OPR PROJECT NO.  N.A.  CHARTING (Record of Show to the short of the short	Coasta Mannino II			LOCALITY			DATE	XXCOMPILATION ACTIVITY	rivi <b>t</b> ¥
The following objects OPR PROJECT NO.  N.A.  CHARTING (Record to NAME)	AMC, Norfolk, VA	Michigan		Detroit	t River		5/30/79	QUALITY CONTROL & REVIEW GRP	L & REVIEW GRP .NCH
N.A.  CHARTING (Record of Shore trice)	HAVE NOT	been inspected from seoword to determine their value as landmarks	ward to de	termine thei	r value as	landmarks.		(See reverse for responsible personnel)	sible personnel)
		SURVEY NUMBER	WO   VO						
				N.A. 1	1927		METHOD AND DATE OF LOCATION	E OF LOCATION	
	PH-7118	T-12095		POSITION	NOI		(See instructions on reverse side)	on reverse side)	CHARTS
	DESCRIPTION		LATITUDE		LONGITUDE	TUDE			AFFECTED
	(Record reason for defetion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	t or aid to navigation. rapplicable, in parentheses)	, ,	// D.M. Meters	, ,	// D.P.Meters	OFFICE	FIELD	
				54.97		41.84	77 E (C) 1134		14848
MAST			42 19	1696	83 02	958	May 28, 1977		14853
				2.24	•	51.63	77 E (C) 1132		14848
F P Library	ıry		42, 20	69	83 02	11.82	May 28, 1977		14853
				10.24	•	11,14	77 E (C) 1134		14848
TANK			42 20	316	83 01	255	May 28, 1977		14853
				18.93	•	41.80	77 E (C) 1134		14848
TANK			42 20	584	83 00	957	May 28, 1977		14853
				44.24	•	25.34	77 E (C) 1134		14848
TANK			42 20	1365	83 00	580	May 28, 1977		14853
Northwest	Northwesterly of Seven	Disnt North		31.771		36.229	77 E (C) 1141		14848
STACKS Stack,	; =	tour 6 mars	42_21		82 57		May 28, 1977		14853
			- <del></del>	44.01		23.58	77 E (C) 1134		14848
T R New b	New buildingcenter of	five towers	42 19	1358	83 02	540	May 28, 1977		14853
	,				•		,		
* Lar	Landmarks on the Cana the river	Canadian side of							
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_	FIELD POSITIONS are determined by field obser-	*FIELD POSITIONS are determined by field obser vations based entirely upon ground survey`met
**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established		
EXAMPLE: V-Vis. 8-12-75	require entry of method of of field work.	A. Field positions* r
ہے کے	7 - Planetable 3 - Sextant	3 - Intersection 7 4 - Resection 8
8-12-75	1 1	l - Triangulation 5 2 - Traverse 6
angulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang Rec	P - Photogrammetric Vis - Visually	F - Field V L - Located V Verified
II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a tri-	WED OR VERIFIED data by symbols as follows:	I. NEW
74L(C)2982		FIELD
EXAMPLE: P-8-V 8-12-75		
entry or method of location or verification, date of field work and number of the photo-	day, and year) of the photograph used to	day, and year) of the photograp identify and locate the bject.
` <b>=</b>	IDENTIFIED AND LOCATED OBJECTS	OFFICE IDENTIFIED AND
Consult Photogrammetric Instructions No. 64,	(Consult Photogrammetric Instructions No. 64,	
1		ACTIVITIES
☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP		FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW
OFFICE ACTIVITY REPRESENTATIVE	F. Margiotta	
FIELD ACTIVITY REPRESENTATIVE		F-CSHIONS DETERMINED AND/OR VERIFIED
OTHER (Specity)		
GEODETIC PARTY		OBJECTS INSPECTED FROM SEAWARD
HYDROGRAPHIC PARTY		
PHOTO FIEL		
OR(GINATOR	NAME	TYPE OF ACTION
PERSONNEL	RESPONSIBLE PERSONNEL	

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 78-40 (2-71) WHICH IS OBSOLETE, AND Existing Stock should be destroyed upon receipt of revision,

ਈ U.S.GPO:1975-0-665-080/1155

#### 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 char 1. 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 Re

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Vi
			Drawing No.
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			Full Part Before After Verification Review Inspection Signed Vi
	<del></del>		Drawing No.
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FORM CAGS-8382 SUPERSEDES ALL EDITIONS OF FORM CAGS-975.

USCOMM-DC 8558-P63