NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline	************
Job No CM-7415	Map No TP-00837
Classification No.	Edition No1
Field Edited	Мар
LOCALIT	Υ .
State Maryland	·····
General Locality Baltimor	e Harbor
Locality Northwest Harb	•
1974 TO	1975
	
REGISTRY IN AR	CHIVES
Birr '	
DATE	

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

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NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TP. 00837
	D ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS Final (F.E
	REVISED	JOB ких СМ-741 5
PHOTOGRAMMETRIC OFFICE		
Coastal Mapping Division		ING MAP EDITION
Atlantic Marine Center, Norfolk, VA	TYPE OF SURVEY	JOB PH
OFFICER-IN-CHARGE	RESURVEY	SURVEY DATES:
	-REVISED	19TQ 19
Jeffrey G. Carlen, CDR		
I. INSTRUCTIONS DATED		
1. OFFICE	2.	FIELD
Aerotriangulation February 7, 1975	August	16,1974
Compilation March 12, 1975		
II. DATUMS	···	
-45	OTHER (Specify)	
1. HORIZONTAL: AMERICAN		
∭ MEAN HIGH-WATER	OTHER (Specify)	
2. VERTICAL:		
MEAN LOWER LOW-WATER MEAN SEA LEVEL		
3. MAP PROJECTION		GR(D(S)
	STATE 4. C	ZONE
Polyconic	Maryland	
5. SCALE	STATE	ZONE
1:5,000	<u></u>	
OPERATIONS I. AEROTRIANGULATION BY	I. Rayborn	Apr, 1975
METHOD: Analytic LANDMARKS AND AIDS BY	_ 1. Itay DOTT	
2. CONTROL AND BRIDGE POINTS PLOTTED BY	R. Robertson	Apr, 1975
METHOD: Calcomp CHECKED BY	R. Robertson	Apr. 1975
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	J. R. Minton	Aug, 1975
COMPILATION CHECKED BY	L. O. Neterer	Aug, 1975_
INSTRUMENT: Wild B-8 CONTOURS BY	NA	
SCALE: 1:7,500 CHECKED BY	NA	d 30gr
4. MANUSCRIPT DELINEATION PLANIMETRY BY	D. Butler J. Byrd	Sep, 1975 Oct. 1975
CHECKED BY CONTOURS BY	J. Byrd NA	Oct. 1975_
METHOD: Smooth drafted CHECKED BY	NA NA	
MYDDO SUBBORT DATA BY	NA	
SCALE: 1:5,000 CHECKED BY	NA	1
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	J. Byrd	Oct, 1975
6. APPLICATION OF FIELD EDIT DATA	D. Butler	Jan, 1976
CHECKED BY	A. L. Shands	Jan, 1976
7. COMPILATION SECTION REVIEW BY	A. L. Shands	Jan. 1976
8. FINAL REVIEW BY	C. H. Bishop	Feb. 1977
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	C. H. Bishop	May 1977_
	R.T. Cater	June 1977
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		



NOAA FORM 76-36B (3-72)	COA	TP-00837 MPILATION SO		U. S. DEPARTMEN NIC AND ATMOSPHERIC NATIONAL	
1. COMPILATION PHOTOGRAPHY CAMERA(S) Wild RC-8"E" & RC-10" TIDE STAGE REFERENCE BAT-	C" timore	LE:	PHOTOGRAPHY GEND	TIME REFE	RENCE
	McHenry	(C) COLOR (P) PANCHRO (I) INFRARE		Eastern MERIDIAN 75th	T STANDARD
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF	TIDE
74E(C) 7326 - 7328* 74E(C) 7346 - 7349* 74E(C) 7359 - 7360* 74C(C) 833** 74C(C) 828**	21 Oct 74 21 Oct 74 21 Oct 74 5 Oct 74 5 Oct 74	11:13 11:33 11:48 11:20 11:05	1:15,000 1:15,000 1:15,000 1:30,000 1:30,000	0.9 ft. abov 0.8 ft. abov 0.8 ft. abov 0.7 ft. abov 0.8 ft. abov	7e MLW 7e MLW 7e MLW
*Compilation p					
The MHWLwas compiled and corrected by fiel Bulkhead located MHWL indicated on and on Photo 74E	from office d edit as fo	ollows:		_	
3. SOURCE OF MEAN LOW-WATER O	R MEAN LOWER LO	OW-WATER LINE:			
None compiled.					

	, , , , , , , , , , , , , , , , , , ,		····			
4. CONTEMPORARY	HYDROGRA	PHIC SURV	EYS (List only those s	surveys that are sources	for photogrammetric	survey information.)
SURVEY NUMBER	DATE(S)	s	JRVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED
-						
5. FINAL JUNCTION	S	•		<u></u>		
NORTH NO		EAST		SOUTH	WEST	
contemporary	survey	TP	-00838	TP-00841		TP-00836
REMARKS						-

. X FIELD INSPE	CTION OPERATION	FII	ELD EDIT OPERATION	· 	
	OPERATION			NAME	DATE
, CHIEF OF FIEL	D PARTY		R. S. Tibbe	ette	Sep, 1974
	<u> </u>	RECOVERED B	D 0 0111		Sep, 1974
. HORIZONTAL C	ONTROL	ESTABLISHED B		- 	1 27,5
	PRE-M	ARKED OR IDENTIFIED B	Y R. S. Tibbe	etts	Sep, 1974
		RECOVERED B	y NA		
VERTICAL CON	TROL	ESTABLISHED B			
	PRE-M	ARKED OR IDENTIFIED B	Y NA		
	RECOVERED	(Triangulation Stations) B		<u></u>	
LANDMARKS AN AIDS TO NAVIG		CATED (Field Methods) B		<u> </u>	<u></u>
		IDENTIFIED B	y None		
CEACHARING !	 1	E OF INVESTIGATION			1
, GEOGRAPHIC N INVESTIGATION	- IN-E3	SPECIFIC NAMES ONLY	Y		
		NO INVESTIGATION			
PHOTO INSPECT		FICATION OF DETAILS B	V NA		
BOUNDARIES A		VEYED OR IDENTIFIED B			
SOURCE DATA					
HORIZONTAL C	ONTROL IDENTIFIED		2. VERTICAL CO	NTROL IDENTIFIED	
	Premarked_			NA	
HOTO NUMBER	STAT	ON NAME	PHOTO NUMBER	STATION DE	SIGNATION
74C(C)829 74C(C)807	LEX, 1940 CURB 2, 1971	·			
•	None RS (Clarification of detail				
	None				
HOTO NUMBER		CT NAME	PHOTO NUMBER	OBJECT	NAME
, GEOGRAPHIC N	AMES: REPOF	TT 🛣 NONE	6. BOUNDARY A	ND LIMITS: REPO	RT X NONE
. SUPPLEMENTA	MAPS AND PLANS				
	None				
ATURA FIRE		etc. DO NOT tist data sub	mitted to the Geodesy I	Division)	·

13-72)	TP-00837 History of Field		NIC AND ATMOSPHI	TMENT OF CO. ERIC ADMINIST IONAL OCEAN	RATION
I. TIELD INSPECTION OF	PERATION X FIELD	D EDIT OPERATION			
	OPERATION		NAME	DA	TE
1. CHIEF OF FIELD PARTY		George W.	Temerson	Sept.	1975
	RECOVERED BY	G.W.J.		Sept.	
2. HORIZONTAL CONTROL	ESTABLISHED BY	NA			
	PRE-MARKED OR IDENTIFIED BY	NA NA			
•	RECOVERED BY	NA			
3. VERTICAL CONTROL	ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA			
		G. W. Jamen	reon	Sept.	1075
4. LANDMARKS AND	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY	NA DAME	BOII	10000.	1717
AIDS TO NAVIGATION	Verified xxxxxxxxxxxx	G. W. Jamen	rson	Sept.	1975
	TYPE OF INVESTIGATION				
5. GEOGRAPHIC NAMES	COMPLETE BY				
INVESTIGATION	SPECIFIC NAMES ONLY	}			
	NO INVESTIGATION	O M Tomos		Oct.	1075
 PHOTO INSPECTION BOUNDARIES AND LIMITS 	SURVEYED OR IDENTIFIED BY	G. W. James	rson	1000.	1915
II. SOURCE DATA	JORVETED ON IDENTIFIED DE	1 1116			
I. HORIZONTAL CONTROL I None	DENTIFIED	2. VERTICAL COM	NTROL IDENTIFIED		
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION	DESIGNATION	
4. LANDMARKS AND AIDS TO	27, 7328, 7346, 7347, 7348, D NAVIGATION IDENTIFIED				
Data for o	objects located by field me	thods are li	sted under 8.	below.	
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJE	CT NAME_	
5. GEOGRAPHIC NAMES:	REPORT X NONE	6. BOUNDARY AN	ID LIMITS: RE	PORT X	ONE
7. SUPPLEMENTAL MAPS A	ND PLANS				
None					
			livision)		

NOAA FORM 76-36D (3-72)

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

TP-00837 RECORD OF SURVEY USE

		.,						
I. MANUSC	RIPT COPIES							
	cc	MPILATION STAGE	s			DATE MANUSCRI	PT FORWARDS	ED.
	DATA COMPILED	DATE	RE	MARKS		MARINE CHARTS	HYDRO SUPP	ORT
	ation complete, g Field Edit	Sep, 1975	Class III Super	manuscri rseded	.pt	24 Nov 1975	9 Oct 19	975
	Edit applied, ation complete.	Jan, 1976	Class I n Super	manuscrip rseded	ot .	7 Jun 1976		
Final	Review	Feb, 1977			,	26 May 1977		<u></u>
						·	· · · · · · · · · · · · · · · · · · ·	•
·	ARKS AND AIDS TO HAVIGA		DATA BRANCU					
I. REP	ORTS TO MARINE CHART D		DATA BRANCH					
NUMBER	3 2 Jul 1976 Landmarks for charts. 1 2 Jul 1976 Landmarks for deletion. 2 Jul 1976 Aids for charts. 3 REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 2, 1976 3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: I. FEDERAL RECORDS CENTER DATA							
3		2 Jul_1976	Landmarks	for char	ts.			
1		2 Jul 1976	Landmarks	for dele	tion.	,		
11		2 Jul 1976	Aids for a	charts.			···	
				· · · · · · · · · · · · · · · · · · ·	<u> </u>			
			, AERONAUTICAL	DATA SECT	ION. D	ATE FORWARDED:	<u> </u>	=
IIII. FEDE	TAL RECORDS CENTER DA	10						
 1. □XI	BRIDGING PHOTOGRAPHS;	(X) DUPLICATE	BRIDGING REPO	RT: [X] CO	MPUTE	R READOUTS.		
	CONTROL STATION IDENT	FICATION CARDS;	X FORM 200	SSEX SUBMIT	TED BY	R READOUTS. FIELD PARTIES.		
3. □X	SOURCE DATA (except for C	eographic Names Re						
	ACCOUNT FOR EXCEPTION	NS:				,		
4 -	0ATA TO 55050AL 0550	000 CENTED DAT	c convegges.					
	DATA TO FEDERAL RECO				-		<u> </u>	_
IV. SURV	SURVEY NUMBER	JOB NUMBE		p edition is reg		TYPE OF SURVEY		
SECOND	TP	_ (2) PH	<u>.</u>		RE		URVEY	ı
EDITION	DATE OF PHOTOGRAP	HY DATE OF FI	ELD EDIT	Dn.	□ nı.	MAP CLASS □ IV. □ V.	FINAL	
	SURVEY NUMBER	JOB NUMBE	R			TYPE OF SURVEY		
THIRD	TP	_ (3) PH	·]	REV	riseo 🔲 Res	URVEY	
EDITION	DATE OF PHOTOGRAP	HY DATE OF FI	ELD EDIT	. 🗀 🗆 .	□ш.	MAP CLASS	FINAL	
	SURVEY NUMBER	JOB NUMBE	R		_	TYPE OF SURVEY		
FOURTH	TP]	LAE	ISED RES	ŰRVÉY	- 1
EDITION	DATE OF PHOTOGRAP	HY DATE OF FI	ELD EDIT	<u>□</u> u.	Dan.	MAP CLASS □IV. □V.	FINAL	

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SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS

TP-00836 through TP-00852

Project CM-7415 covers the Patapsco River and Baltimore Harbor from the mouth of the river at Long. 76° 25' westward to and including the Inner Harbor. The part of Back River within the limits of Maps TP-00851 and TP-00852 is not included in the project and was not mapped. Seventeen maps - four at 1:10,000 scale and thirteen at 1:5,000 scale - are included in the project.

Field work prior to compilation consisted of recovery and premarking of horizontal control required for bridging. This work was done in September 1974.

Color photography was flown in October 1974. The entire area is covered by 1:30,000 scale photography, which was used for bridging and compilation of the 1:10,000 scale maps. Supplemental photography used for compilation of the 1:5,000 scale maps was flown at 1:15,000 scale. Black and white ratio prints at map scale were prepared from the color transparencies for office use and field edit operations.

Bridging was done by analytic methods in the Rockville Office in April 1975. See Photogrammetric Plot Report, which is Page 7 of this Descriptive Report.

Compilation was done by the Coastal Mapping Section at the Atlantic Marine Center from July to November 1975, using the Wild B-8 stereoplotter. The location of the mean high water line and other details were determined by office interpretation of the photographs.

Field edit was done by a photogrammetric field unit from September to November 1975 and applied to the manuscripts at the Atlantic Marine Center from December 1975 to February 1976.

All original manuscripts are stabilene sheets. The 1:5,000 scale maps are on a two and one-half minute format and the 1:10,000 scale maps are on a five minute format. The original manuscripts were forwarded to the Rockville Office for preparation of registration copies.

Photogrammetric Plot Report Baltimore Harbor, Maryland CM-7415 April 1975

21. Area Covered

The area covered by this report pertains to the shoreline of ... Baltimore Harbor, Baltimore, Maryland. This area is covered by thirteen 1:5,000 scale sheets, TP-00836 thru TP-00847, TP-00851, and four 1:10,000 scale sheets TP-00848 thru TP-00850 and TP-00852.

•22. Method -

Five strips of 1:30,000 scale color photography were bridged by analytic aerotriangulation methods. Sketch number 1 shows the layout of the sheets, compilation photographs, strips of bridging photographs, and the location of field identified control. Ties were made between all bridging strips. The strips were controlled by field identified control paneled in 1974 with the inclusion of one office identified station as a terminal for Office identified control was floated as checks. strip two. Common points were located between the bridging photography and the compilation photography to control the compilation and to determine the ratio scale. Points were located on the bridging photography to determine the ratio scale of the photographs that pertain to the 1:10,000 scale TP sheets. Data for ruling projection were furnished to the Calcomp to be plotted in the Maryland State plane coordinate system. 1:5,000 scale ratios were ordered for the 1:5,000 scale sheets and 1:10,000 scale ratios of the bridging photographs were ordered for the 1:10,000 scale sheets.

23. Adequacy of Control

The control was adequate with the inclusion of office identified control. Geodesy could not furnish a position for Curb 2, 1971, in order to compute a sub point for that station. An office identified control station was used as a terminal for strip number two, in place of Curb 2, 1971.

24. Supplemental Data

USGS Quadrangles were used to provide vertical control for the adjustment.

25. Photography

The photography was adequate as to coverage and overlap. Definition was poor due to haze at time of photography.

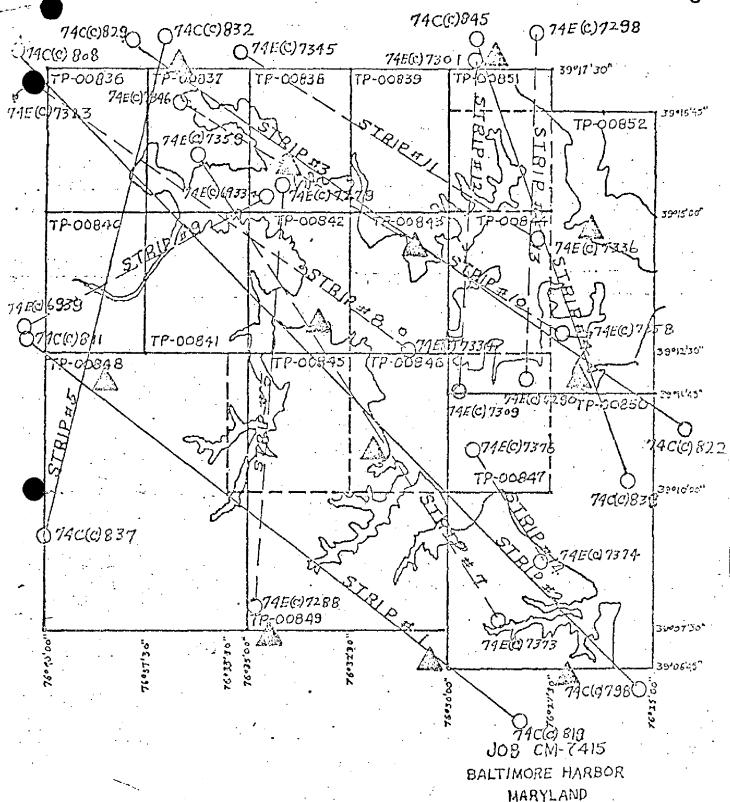
Approved and forwarded:

Respectfully submitted,

John D. Perrow, Gr.

Ivey O. Raborn

Chief, Aerotriangulation Section



BRIDGING PHOTOGRAPHY COMPILATION PHOTOGRAPHY

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NOAA FORM 76-41 (6-75)		DESCRIPTIV	CRIPTIVE REPORT CONTROL RECORD	NATIONAL	OCEANIC	U.S. DEPARTMENT OF COMMERCE AND ATMOSPHERIC ADMINISTRATION	COMMERCE
MAP NO.	JOB NO.		GEODETIC DATUM	0	ORIGINATING ACTIVITY	Coastal	Mapping
TP-00837	CM-7415	415	NA 1927		Division,		VA
	SOURCE OF	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	FOSITION	S X E W H H	צט
NAME OF A LOCAL AND A LOCAL AN	INFORMATION (Index)	POINT	ZONE		LONGITUDE	FORWARD	BACK
	77 17		χ=	φ 39 17	28.095	7*998	(683.9)
LEA, 1940			y=	λ 76 37	02.512	60•2	(1377.7)
THE CHOCKE THE THE TERMS OF THE	דד ואס ק		=χ	φ 39 17	15.248	7.077	(1380.1)
CLOCK TOWER, 1957	P. 306		<i>y</i> =	λ 76 37	15.373	368.5	(1069.5)
HACKITATA CACT HACKTRIA	TT LOV G 2		χ=	\$\phi\$ 39 17	23,197	715.4	(1134.9)
	306		-ĥ	x 76 36	59,196	1418.6	(19.3)
MOTOTIVE TEM GEOWINGTON	T 1.77 G 0		=χ	φ 39 17	20,706	9*869	(1211.7)
STATIONE, IELEVISION STATION WAR MAST, 1957	70A 70A		ή=	λ 76 36	51.680	1238.5	(199.4)
TARGET BACKET	, ;		=χ	\$\phi\$ 39 17	18.264	563.2	(1287.1)
BALTIMORE, FIRST NATIONAL BANK BUILDING, STACK, 1957	G.F. VOL 11 P. 67		y≠	λ 76 36	52.218	1251.4	(186.5)
AND CASTATATOR TOLE	T LOV G D		=X	ф 39 17	23,004	709.4	(1140.9)
1915	322		y=	λ 76 36	42.081	1008.5	(456.4)
7 LOC (0 0 11) TACHTUME	ļ		<i>-</i> χ	ф 39 16	48.754	1503.5	(376.8)
renginal (0.5.5.), 1919	F. 519		y=	λ 76 36	30.382	728.2	(709.9)
WHO TAMBLE COMPANY	T LON G 5		=χ	ф 39 16	27.877	859.7	(9*066)
AND GREEDING 34	234		<i>ħ</i> =	λ 76 35	34.584	829.0	(609.2)
9101 (A S II) ABUSHAM	T LON G 5		=χ	ф 39 16	56.396	1739.2	(111.1)
	516		<i>y</i> =	λ 76 35	10.261	245.9	(1192.1)
BATTIMORE AND OHIO ELEVATOR	G.P. Vol T		χ=	φ 39 16	10.676	329.2	(1521.1)
1915	P. 322		jg=	λ 76 35	02,231	53.5	(1384.9)
computed by A. C. Rauck, Jr.		DATE 5/20/75	compuration checked by F. Mauldin			DATE 5/27/75	775
Listeb BY A. C. Ranck, Jr.		DATE 5/20/75	LISTING CHECKED BY F. Mauldin	•		DATE 5/27/75	75
HAND PLOTTING BY		5/21/75	HAND PLOTTING CHECKED BY F Man Ain			DATE 5/28/75	175
TO STORY OF		SUPERSEDES NO	0	IICH IS OBSOLETE.			

NOAA FORM 76-41 (6-75)		DESCRIPTIV	CRIPTIVE REPORT CONTROL RECORD	NATIONAL OCEANIC	U.S. DEPARTMENT OF COMMERCE AND ATMOSPHERIC ADMINISTRATION	OF COMMERCE MINISTRATION
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	TIVITY Coastal	Mapping
TP-00837	CM-7415	415	NA 1927	Division	, Norf	
UT 4 N TO LE 4 FO	SOURCE OF	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	0 4 8 8 8 8 8	986
1 E C C C C C C C C C C C C C C C C C C	INFORMATION (Index)	POINT NUMBER	ZONE		FORWARD	BACK
ļ.	[72		χ=	φ 39 16 12.015	370.5	(1479.8)
NIKA, 1934	G.F. VOL 1 P. 230		IJ≈.	λ 76 37 19.573	469.2	(969.1)
RAI.TIMORE GAS & ELECTRIC	G.P. Vol T		<i>=</i>	φ 39 16 18,519	571.1	(1279.2)
SAS HOL	672		y=	λ 76 37 13.351	320.0	(1118.3)
PTCUED (11 C F) 105/2	T [0% G 5		=X	φ 39 15 53.811	1659.4	(190.9)
(0.5)	672		=ĥ	λ 76 37 14.968	358.8	(1079.6)
	[213		=χ	φ 39 16 09.972	307.5	(1542.8)
COMPANY STACK, 1934	G.F. VOL 1 P. 234		y=	λ 76 36 01.781	42.7	(1395.7)
nakon makanakonako	+ 1-21 4		= χ	\$ 39 16 09.117	281.2	(1569.1)
COMPANY STACK, 1934			y=	λ 76 36 01.610	38.6	(1399.8)
יאין דווות מיין אין אין אין אין אין אין אין אין אין	ד ויינו ע ט		±χ	φ 39 16 06.940	214.0	(1636.3)
CHURCH SPIRE, 1915	322		y a	λ 76 35 34.014	815.4	(623.0)
three Colors of the part of the part	,		χ=	φ 39 15 56.348	1737.7	(112.6)
GAS AND ELECTRIC COMPANY STACK, EASTERN OF TWO, 1934	F. 235.		<i>y=</i>	λ 76 36 12.614	302.4	(1136.0)
NEGROU STEWNESS	<u>م</u> ن		-χ	φ 39 15 56.675	1747.7	(102.6)
STACK, WESTERN OF TWO, 1934	P. 235		ця	λ 76 36 13.053	312.9	(1125.5)
PIER, 1934	G.P. Vol I		-χ	φ 39 15 43.362	1337.2	(513.1)
	231		y=	λ 76 35 57.248	1372.5	(66.0)
FIEVAMOR 1915	G.P. Vol T		=X	φ 39 15 39.052	1204.3	(646.0)
. 1	229		iβ=	λ 76 36 26.998	647.3	(791.2)
computed by A. C. Rauck, Jr.		DATE 5/20/75	computation checked by F. Mauldin		DATE 5/2	/28/75
LISTED BY A. C. Rauck, Jr.		DATE 5/20/75	LISTING CHECKED BY F. Mauldin			5/28/75
HAND PLOTTING BY A. C. RAUCK, Jr.		DATE 5/21/75	HAND PLOTTING CHECKED BY F. Mauldin		DATE 5/2	5/29/75
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	ICH IS OBSOLETE.		

(6-75)		DESCRIPTIVE	/E REPORT CONTROL RECORD		NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	MOSPHERIC ADM	INISTRATION
MAP NO.	JOB NO.		GEODETIC DATUM		ORIGINATING ACTIVITY	TY Coastal	Mapping
TP-00837	AM-	AM-7415	NA 1927		Division,	Norfolk, VA	AT:
PASS MOLENES	SOURCE OF	AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	POSITION	0 2 2 3 4 3	0310
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(Index)	POINT	ZONE		LONGITUDE	FORWARD	BACK
*** KE	1977		= χ	φ 39 15	35,189	1085.2	(765.1)
LOCKE IANK, 1934	G.F. VOL 1 P. 236		y=	λ 76 36	43.018	1031.4	(407.1)
	1213		<i>-</i> χ	ф 39 15	04.938	152.3	(1698.0)
LESTER Z (U.S.E.), 1910	G.F. VOL 1		<i>y</i> =	λ 76 36	48.659	1166.8	(271.9)
	F }		χ=	ф 39 15	5 28.447	877.2	(973.1)
HANOVEK STREET BRIDGE, NORTHEAST TOWER CUPOLA, 1934	G.F. VOL 1 4 P. 236		y=	λ 76 36	58.879	1411.7	(26.9)
			=X	φ			
		****	j.	~	!		;
			=χ	ф			
			h≠	γ			
			=X	φ			
			y=	γ			
			-X	ф			
			y=	γ			
			=X	Ф.			
			<i>-ĥ</i>	γ			
	,		=χ	4			
			<i>y</i> =	~			
			=X	ф			
			h=	۲			'
COMPUTED BY A. C. Rainck, Jr.		DATE 5/28/75	COMPUTATION CHECKED BY F. Mauldin			DATE 5/28/75	/75
ر 100		\$/28/75	LET Macherne	,		DATE 5/28/75	175
HAND PLOTTING BY A. C. Raisck Tr.		DATE 5/29/75	DATE HAND PLOTTING CHECKED BY 5/29/75 F. Mauldin			DATE 5/29/75	775

COMPILATION REPORT

TP-00837

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:15,000 scale color photography. Photograph quality and coverage was adequate.

32. CONTROL:

See the attached Photogrammetric Plot Report, dated April 1975.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water line was delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

No unusual problems were encountered, except that several charted wrecks were not visible on the photographs. These were referred to the field editor for resolution.

37. LANDMARKS AND AIDS:

Preliminary Forms 76-40 for Landmarks and Aids were prepared by the Compilation Office and forwarded to the Field Editor and/or Hydrographer for verification, location, or deletion in November 1975 and the final field edited forms were forwarded to the Rockville office on July 2, 1976.

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:

No statement. See plot report.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with the following U. S. Geological Survey Quadrangle: Baltimore East, MD, scale 1:24,000, dated 1953 and photo revised in 1966.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the following National Ocean Survey chart: No. 12281, scale 1:15,000, 29th Edition, dated August 17, 1974.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

David P. Butler Cartographic Aid September 30, 1975

Approved:

Albert C. Rauch Jr.

Chief, Coastal Mapping Section, AMC

ADDENDUM TO THE COMPILATION REPORT

TP-00837

FIELD EDIT

Station PIER 3 (USE), 1915 was not recovered. A station PIER 3-2, 8491, marked by a bronze disk, was found in the approximate location for PIER 3 (USE), which was considered not recovered and removed from the map.

A Form 526 for Station Knabes Piano Factory, Cupola Vane (no date) was submitted by the field editor. No description or geographic position of this station could be found. It was not mapped.

Numerous charted wrecks referred to the field editor were not found by the editor or the hydrographer.

Submitted by:

David P. Butler Cartographic Aid January 1976

February 28, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7415 (Baltimore, Md.)

TP-00837

Baltimore

Baltimore & Ohio (RR)

Basin

Cherry Hill

Federal Hill Park

Fells Point

Ferry Bar

Latrobe Park

Locust Point

Middle Branch

Northwest Harbor

Patapsco River

Riverside Park

South Baltimore

Swann Park

Western Maryland (RR)

Winans Cove

Approved by:

Charles E. Harrington Staff Geographer - C51x2

1	FORM C&GS-1002				U.S. DEPARTMENT OF COMMERCE ESSA
	(3-66)	PHO	TOCOANNET	RIC OFFICE REVIEW	COAST AND GEODETIC SURVEY
		rnu		-00837	
				15	
	1. PROJECTION AND GRIDS	2 TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
	JLB	JT.	В		JLB
	CONTROL STATIONS				
	5. HORIZONTAL CONTROL STA THIRD-ORDER OR HIGHER A		6. RECOVER AS OF LESS TH (Topographic	BLE HORIZONTAL STATIONS AN THIRD-ORDER ACCURACY (stations)	7. PHOTO HYDRO STATIONS
				NA	NA
,	8. BENCH MARKS	9. PLOTTING (F SEXTANT	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
	NA	N.	A	JLB	JLB
	ALONGSHORE AREAS (Nautical	Chart Date)			
	12. SHORELINE	13. LOW-WATER	LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
į	JLB	N:	A		JLB
	16. AIDS TO NAVIGATION	17. LANDMARK	Š	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
			· · · · · · · · · · · · · · · · · · ·	JLB	JLB
	PHYSICAL FEATURES				
	20. WATER FEATURES		21. NATURAL	GROUND COVER	22. PLANETABLE CONTOURS
	JLB			NA	NA
	23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS	IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
	NA	Ŋ.	Α	NA	
	CULTURAL FEATURES				
	27. ROADS	28. BUILDINGS		29. RAILROADS	30. OTHER CULTURAL FEATURES
-	JLB	JL	В	JLB	JLB
	BOUNDARIES				
	31. BOUNDARY LINES	3		32. PUBLIC LAND LINES	AT B
	N	A		<u> </u>	NA
	MISCELLANEOUS 33. GEOGRAPHIC NAMES		34. JUNCTION	s	35. LEGIBILITY OF THE MANUSCRIPT
Ì					JLB
	36. DISCREPANCY OVERLAY	37. DESCRIPTI	VE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
		JL	В		
	40. REVIEWER 1 540			SUPERVISOR, REVIEW SECT	on or unit
	Jun of the			albut C. Ke	auch.h
	Jim Byrd			Albert (C. Rauck, Jr.
	41. REMARKS (See attached shee				
	FIELD COMPLETION ADDITION				
	script is now complete exc	furnished by the ept as noted un-	e field complet der item 43.		to the manuscript. The manu-
	COMPILER David But	1er Dand		SUPERVISOR C	Ranch a
Ì	A. L. Sha	nds	1/23/75	Albert	C. Rauck, Jr.
	43. REMARKS				
,	See Forms 76-	36C, Histo	ry of Fiel	d Operations, Field	Edit and
	Field Inspect				



U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration NATIONAL OCEAN SURVEY

FIELD EDIT REPORT

TP-00837

Baltimore Harbor, Md.

51. METHODS

An inspection of all shoreline and alongshore features was made, and all deletions, additions, and corrections are either shown or feferred to on the field edit ozalid. All field edit notes are in purple ink for additions and corrections and in green ink for deletions.

Searches by boat for reported features below the mean high water line were made; because of the limited visibility into the water and lack of wire drag equipment, any negative findings noted in the field edit data should not be considered conclusive, unless otherwise stated. The latest hydrographic survey of the area should be consulted for more complete information.

Most of the field edit inspection was accomplished by boat. Features were located by either sextant fixes or photo identification.

52. ADEQUACY OF COMPILATION

Compilation of this sheet was very good. Only minor points were changed during edit of this sheet. The most significant problem was the compilation of many rocks along the shoreline in the vicinity of the South Baltimore General Hospital near Ferry Bar and also north of the Western Maryland Swing Bridge in Middle Branch. These numerous rocks were not found to exist, but were found to be trash, composed of tree stumps, old tires, and other types of trash which has entered the river from upstream or from the city. This trash was found in both areas, and was found to be of the temporary nature as many of the "rocks" compiled no longer exist

New construction is underway at latitude 39° 15′ 40°, longitude 76′ 35′ 15; this is shown on one of the photos. A new pier in the inner harbor at 39° 17′ 00°, 76 36′ 45, is under construction. This pier is shown on the manuscript. New construction is underway in the inner harbor at 39° 17′ 07°, 76′ 36′ 35; this construction is indicated on the manuscript.

Compilation will be complete with the application of field notes.



U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration NATIONAL OCEAN SURVEY

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

There are twenty-two landmarks on this sheet recommended for charting and four recommended for deletion. There are six aids.

58. Field Editor

Field edit was performed by Lt. George W. Jamerson indoctober, 1975.

Respectfully submitted,

George W. Jamerson

Lt. NOAA

November 28, 1975

Designate Ches Form SA7	Form SA7		1			TOTAL		
Keplaces Caco	į			X.1.14.00		DATE	THOTO FIELD PARTY	PARTY /
X TO BE CHARTED TO BE REVISED TO BE BELETED	\	Field Party, Ship or Office) Coastal Mapping Div, Maryland A M C Norfolk Va	-and /	Baltimore	e Harbor	1	FINAL REVIEW QUALITY CONT	L & REVIEW GRE
The following objects	₹	been inspected from	seaword to del	determine their value as	s as landmarks.		See reverse for responsible personnel	ible personnell
OPR PROJECT NO.		SURVEY NUMBER	DATUM				25.000 - 1.01	
514 ~	CM-7415	15 / TP-00837 /		N.A.1927		METHOD AND DATE OF LOCATION (See instructions on reverse side)		o ⊢a ♦ H C
!		1		FOSTION				
CHARTING	Record reason for deleti Show triengulation static	Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses	LATITUDE	Merers o	LONGITUDE O. M. D.P. Meters	14	FIELD	
TOWER /	(Hanover Stree Cupola,1934)	(Hanover Street Bridge, Northeast Tower, Cupola, 1934) Ht. 476	39 15	28-1117 -877-2 76 3	36, 1411.7	715(c)7327	Triang. Rec. Aug.1975 /	12273 - 12296 12281
TANK /	(Locke Tank,1	(Locke Tank, 1934) Ht.=116(126) /	39, 15	35.189, 1085.2	36, 43.918	n n	u u	E E
ELEVATOR, FLAGSTAFF	(Elevator, 1915)	/ (51	39 15	39-052- 1204-3	36 647-3	я п	TriangRec. Oct.1975	= = =
STACK /	(Gas and Electric Eastern Of Two,19	ctric Company Stack, Two, 1934)	39 15	56.348 1737.77	36~ 302.4~	7LE(C)7359, Oct.21,1974	11	===
STACK /	(Gas and Electric Western Of Two,15	ctric Company Stack, Two, 1934),	39 157	56:675, 76	36 312-97	u u	, u	== =
TANK ,	Ht.= 130(110)		39 15/2	-57-69, 76	36-162-	i i	P-8-V Oct.1975	# #
STACK /	(Chesapeake E Stack,1934)	Paper Board Company, Ht.= 189(209)	39 16.	09.117 281.2 / 76	36, -38-6"	u u	Triang.Rec. Oct.1975 '	= H =
TANX /	(Chesapeake F Tank,1934)	Paper Board Company, Ht.=117(137) v	39 16	307.5 76	36 -12.7	745(0)7359 , 0ct.21,1974	= =	===
SPIRE /	(Our Lady Of C Spire,1915)	Conception, Church Ht.=105(125)	39 162	06:9405 214.0.47	35. 815.47	n n	Triang.Rec. Aug. 1975	E E E
TANK /	Locust Point Spheroid Tank	Locust Point Marine Terminal Spheroid Tank Ht. = 160(180).	39.16	371,	359.7	74E(C)7349 / Oct.21,1974	P-8-V 0ct.1975	\ ===

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NOAA FORM 76-40	-40		r.v.	NATIONAL OCE	Z	. DEPARTM	U.S. DEPARTMENT OF COMMERCE D ATMOSPHERIC ADMINISTRATION		ACTIVITY
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TO BE CHARTED	`	Ls.		LOCALITY			DATE	COMPLEATION ACTIVITY	LIVITY /
TO BE REVISED	<u>. </u>	Div.	ld,	Balt	Baltimore H	Harbor	Jan. 1976	FINAL REVIEWER	LAREVIEW GRP.
	A.H.C. NOFTOIR,				,			COAST PILOT BRANCH	LOZ
The following objects OPR PROJECT NO.	HAVE A THAVE NOT	been inspected from sec	from seaward to determine their value as landmarks	termine thei	r value as	landmarks.		(See reverse for responsible	sible personnell
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	(1) The control of th	, 10000 T		POSTING	3		(See Instructions	on reverse side)	CHABITS
	NOTEGIBLOSED	2	LATITUDE	TUDE	LONGITUDE	UDE.	11.2		AFFECTED
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	ion stationnames, w	e applicable, in parentheses	,,	D.M. Meters		D.P. Meters		3 	,
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· vivium.	A (0/+ \0/+ -0);		20.	859-77	(0.0)	829.0	700000000000000000000000000000000000000	Aug. 12. 17.	12281
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			- 1	-868-	1	066;		Uct : 1972	=
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				908	1	->-026			} i
SPIRE	Ht.=128(188)/			26-407	ı	32.33	7115(0)7347	= :	==
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SPIRE /	Ht.=187(220)/		39 16	-34 -1-Y 1052/	76 36	407807	>	-	, ,
	(Baltimore Gas and Ele	Electric Company	`	18-519		13:351	7LE(C)7326	Triang.Rec.	==
TANK /	,195u) Ht	when full) 237(257) 39_16	57-1-12	7637	320-02-	0ct.21,197h.	Aug. 1975) -
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			,	POSITION	NO		(See instructions on reverse side)	on reverse side)	CHARTS	
	DESCRIPTION		LATITUDE	Tube	LONGITUBE	TUDE			AFFECTED	
CHARTING	(Record reason for deletion of landmark or eid to nevigation. Show triangulation station names, where applicable, in parenthe	aid to navigation. plicable, in perentheses)	•	// D.M. Merers	•	D.P. Meters	OFFICE	FIELD		
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TOWER	Old Shot Tower Ht.=23	Ht.=234(254),	39 17		76 36	20,86,	74E(C)7347 Oct.21,1974	= =	EE E	1
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CTIVITY	. }	CVITY \	ible personnel)].	CHARTS	AFFECTED		MOGA MOGA MOGN MOGN MOGN MAGA	LEE	n m r	- LEE	, ====					
ORIGINATING ACTIVIT	GEODETIC PARTY PHOTO FIELD PARTY	COMPILATION ACTIVITY / FINAL REVIEWER QUALITY CONTROL & REVIEW GRP COAST PILOT BRANCH	(See reverse for responsible personnel)	NOTTA DO 1 BO 1	on reverse side)	. C	1	F-V-Vis. Oct.1978		F-V-Vis.		F-V-Vis. / Oct.1975					
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		DATE Jan.1976~		MOITAGO DE LOCATAM	(See instructions on reverse side)	i () 1	715(0)7327 / Oct.21,1971		74E(C)7359, 0ct.21,1974		715(C)73L7					
U.S. DEPARTM		e Harbor	e as landmarks.			LONGITUDE	D.P. Meters	36.	36.1	35.8	37.8	36.7					
ONAL OCEANIC	OR CHARTS	cocatiry Baltimore	seaward to determine their value	N.A.1927	POSITION		D.M. Merers	£ 9/.	76 3	76 3	76 3	76 3					
FAX	IDMARKS	, pu	saward to det	DATUM		LATITUDE	•	35.15.6	39.16.1	39 16.1	39 16.2	35 17.5					
	AN THE AN	state Maryland	been inspected from se	}	1F-00057 /		navigation. e, in parenthese:	\ \ \ \	1000	nearby. /		,1636) /				3	
		init Ship or Office) Mapping Div, Ionfolk Va	1	├─	——————————————————————————————————————	NOIT	mark or aid to a where applicabl	r landmark		stack ne		Cupols					1
		REPORTING UNIT Field Party, Ship or Office) Coastal Mapping Dia Norfolk Va	美元	JOB NUMBER	CR-(4157	DESCRIPTION	Record reason for defetion of landmark or aid to navigation. Show triangulation station nemes, where applicable, in parentheses,	significant for	· found v	needed, another	Stacks destroyed.	(Beltimore City Hall Dismentled.					
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GEODETIC PARTY

CAMPILATION ACTIVITY

FINAL REVIEWER

COAST PILOT BRANCH

(See reverse for responsible personnel) 1 AFFECTED 12273 12273 12281 CHARTS ORIGINATING ACTIVITY == === Ξ === === = = = HYDROGRAPHIC PARTY .7 F-V-Vis. ١ Oct.1975 ١, P-5-L Oct.1975 Oct.1975 3 METHOD AND DATE OF LOCATION (See instructions on reverse side) Aug.1975 FIELD P-7-L F-2-6-L ÷ ; = = **=** 74E(C)7359, Oct.21,1974 74E(C)7327, 0ct.21,1974 Oct.21,197 Jan.1976 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION 7LE(C)7359, Oct.21,1974 7년(0)7348 7 = . = ! DATE OFFICE **=** : = : 59.28 A.W.C. Norfolk, Va. Inspected from seaward to determine their value as landmarks. AVERXY HAVE NOT I tilevey NUMBER DATUM D.P. Merers 24.28v 41.28 22.40 25.07, 6017 23.44 ,066 Baltimore Harbor 262 1421 582 537 LONGITUDE 35, 35, رب 17 بر برگر 8 쭜, **MEDITION CHARTS** 92 ,9 .92 92 9 .N.A.1927 2 POSITION 43.58 31.58 1443 13:13 42.587 LOCALITY 18.26 16.79 D.M. Merers 42.45 1309 563 974. 1344 LATITUDE 394.15 Č,]<u>6</u> 칫 7 7, Ę 39 33 39 33 33 Maryland Fort McHenry Channel Range Rear Light Show triangulation station names, where applicable, in perentheses) Rear Light and Locust Point Basin West NONFLOATING AIDS POLITY Record teason for deletion of landmark or aid to navigation. Range Locust Point Basin Entrance Range 平-008377 Western Maryland Railroad Company STATE Locust Point Basin West Range Locust Point Basin Entrance Front Light Ferry Bar Channel Light 21 REPORTING UNIT Ifield Park Shio or Office) Coastal Mapping Div DESCRIPTION > The following objects HAVE NOT OPR PROJECT NO. | JOB NUMBER CM-7415 Range Rear Light Front Light Fog Signal Replaces C&GS Form 567; 🛣 TO BE CHARTED TTO BE DELETED TO BE REVISED NOAA FORM 76-40 CHARTING > 7 LIGHT/ LIGHT SIREN LIGHT LIGHT LIGHT

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7.20	PARTY	71/11	QUALITY CONTROL & REVIEW GRP.	nsible personnel)		CHARTS	AFFECTED		12281		19981	1027	FOCCE	דכעסד	12281				ŀ						
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TO CHANGE TO THE	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION KS FOR CHARTS	DATE	2/16/77			METHOD AND DATE OF LOCATION (See Instructions on reverse side)		OFFICE	74E(C)7327	21 Oct 1974	74E(C)7327	21 Oct 1974	74E(c)7327	21 Oct 1974	74E(C)7327	21 0ot 1974							1		
101010	ATMOSPHER		Baltimore Harbor	landmarks.			TUDE	// D.P.Meters	58.879	1411.7	59.9	1435	9*0	15	59.6	1430									
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	DITTO OCEANIC DESCRIPTION OF THE PROPERTY OF T	STATE	Div. Maryland	rom seo	SURVEY NUMBER	TP-00837		leses)	Bridge Northeast		č				<u>(r</u>				editor felt that	alieves that	the large scale all similar in		CharlestBiologo	Reviewer	anuary 1976.
		REPORTING UNIT	Coastal Mapping Norfolk, VA	VE NOT		CM-7415	DESCRIPTION	(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	Street	Cupola	Northwest Tower		Conthines + Done	19801 000	east Tower				towers (NE)	nal reviewer	they should all be charted on the chart (12281), since they are all		Charle	Charles Final	Form 76-40 dated January
9	Form 567.	RTED	ISED ETEO			P		Record re Show trie		Tower,	North		4+1100	200	Southeast			-	of G		2281),	• edwnel			 g o
75 mag 2 1 1 0 m	(8-74) Replaces C&GS Form 567.	ATO BE CHARTED	TO BE REVISED	The following objects	OPR PROJECT	517		CHARTING	≠	· -		TOWERS							NOTE: Ev	a landmark,	they should all chart (12281),	0770			*Submitted

FIELD POSITIONS are determined by field obser-	EXAMPLE: F-2-6-L 8-12-75	sitions	tion 7 - n 8 -	d lation 5 - e 6 -	EW POSITION DETERMIN nter the applicable of Field P	identify and locate the bject. EXAMPLE: 75E(C)6042 8-12-75	OFFICE [DENTIFIED AND LOCATED OBJECTS 1. OFFICE [DENTIFIED AND LOCATED OBJECTS mon Enter the number and date (including mon day, and year) of the photograph used to		AND REVIEW GROUP AND FINAL REVIEW	POSTITIONS DETERMINED AND/OR VERIFIED		OBJECTS INSPECTED FROM SEAMARD		TYPE OF ACTION	
by photogramm	**PHOTOGRAMMETRI	require entry of method of of field work.	ble III. POSITION V Enter 'V-V	Field identified EXAMPLE: Theodolite	s as follows: When a angulat Rec.' v	. graph us	month, entry of date of		Charles H. Bishop			ne N. Jamerson		NAME	RESPONSIBLE PERSONNEL
etric methods.	**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established	8-12-75	POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V+Vis.' and date.	Triang. Rec. 8-12-75	LATION STATION RECOVERED landmark or aid which is also a tri- ion station is recovered, enter 'Triang. with date of recovery.	d to locate or identify the object. P-8-V 8-12-75 74L(C)2982	mmetric field positions** require method of location or verification, field work and number of the photo-	LOCATION'	QUALITY CONTROL AND REVIEW GROUP	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	GEODETIC PARTY OTHER (Specify)	MYDROGRAPHIC PARTY	ORIGINATOR	

NOAA FORM 76-40 (8-74)

NOAA FORM 76-40	40				T AN	1 4 80	O NA	S. DEPARTA	U.S. DEPARTMENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567.				LANDM	ARKS F	OR CH	\RTS			HYDROGRAPHIC PARTY GEODETIC PARTY PHOTO FIFT D BARTY	ARTY .
TO BE CHARTED		REPORTING UNIT Field Party, Ship or Officel Coastal Mapping Div.	STATE			LOCALITY			DATE	COMPILATION ACTIVITY	V T
TO BE DELETED		Norfolk, VA		Mary land		Balt	Baltimore Harbor	larbor	1977	COAST PILOT BRANCH	LAREVIEW GRP.
The following objects	ects	VE NOT	been inspected from seaward to determine their value as landmarks	ım seawa	rd to det	ermine the	ir value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT NO.			SURVEY NUMBER	PΑ	DATUM						
514		CM-7415	TP-00837			NA 1927	1927		METHOD AND DATE OF LOCATION (See instructions on reverse side)	ETHOD AND DATE OF LOCATION (See instructions on reverse side)	CHARTS
		OFSCRIPTION		-	LATITUDE	i	LONGITUDE	TUDE			AFFECTED
CHARTING	Record ress	(Record reason for defetion of landmark or aid to navigation. Show triangulation station names, where applicable, in perentheses)	k or aid to navigation. sapplicable, in perenti	noses)		// D.M. Meters	,	// D.P. Meters	OFFICE	FIELD	
STACK	Not as p	Not as prominent as two other stacks nearby.	other stacks	39	16	28.7	76 35	43.4		F - V - Vis	12281
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	Retained	l as a chart feature.	ture.							_	
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	RESPONSIBLE PERSONNEL	PERSONNEL	
TYPE OF ACTION	ZAKM	â	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	George W. Jamerson		OTHER (Specify)
			FIELD ACTIVITY REPRESENTATIVE
POSITIONS DETERMINED AND/OR VERIFIED			OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Charles H. Bishop		X REVIEWER QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	OR ENTRIES UNDER METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	
OFFICE DENTIFIED AND LOCATED OBJECTS		5 .	field positions** require
Enter the number and date (including raday, and year) of the photograph used	and date (including month, f the photograph used to	- ·	method of location or verification, field work and number of the photo-
LE:	bject.		to locate or identify the object. 3-8-V 3-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols F - Field P - Photogrammet L - Located Vis - Visually	OR VERIFIED ta by symbols as follows: Photogrammetric - Visually	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is angulation station is recovered Rec.' with date of recovery. FXAMPLE: Triang Rec	ON RECOVERED aid which is also a tri- is recovered, enter 'Triang. recovery.
ation 5 -	Field identified Theodolite	8-12-75	
tion 7 -	Planetable Sextant	<pre>III. POSITION VERIFIED VISUAL Enter 'V+Vis.' and date</pre>	VERIFIED VISUALLY ON PHOTOGRAPH Vis.' and date.
sitions*	require entry of method of e of field work.	EXAMPLE: V-Vis. 8-12-75	
EXAMPLE: F-2-6-L 8-12-75		**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control establishe	POSITIONS are dependent upon control established
*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	ed by field obser- ground survey methods.	net r	ods.

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.

REVIEW REPORT TP-00837

SHORELINE

February 17, 1977

61. GENERAL STATEMENT:

See Summary, which is Page 6 of this Descriptive Report.

One stack in a group of three stacks charted as landmarks at approximate Lat. 39° 16.5', Long. 76° 35.7' was recommended for deletion as a landmark by the field editor, but not included on his Form 76-40. It was removed from the manuscript when field edit was applied and returned to the manuscript as a map feature during final review.

Three of the four towers on the Hanover Bridge were reported by the field editor as not being needed for landmarks. They were removed from the manuscript when field edit was applied and returned to it during final review. Because these four towers are all equal in size and shape, it is the final reviewer's opinion that they should all be charted as landmarks.

Charted radio towers on Recreation Pier (Lat. 39° 16.8', Long. 76° 35.5') were verified by the field editor, then office identified and mapped during final review. There is nothing resembling a radar station at the position charted. Both the field editor and the hydrographer were consulted by the final reviewer and they both believe there is no radar station on Recreation Pier.

A comparison print is bound with the original of this report.

62. <u>COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS</u>:

A comparison was made with a copy of Survey T-5345, 1:10,000 scale, mapped from photographs taken in April and May 1934, except the south shore of Middle Branch, which was compared with a copy of T-5346, 1:10,000 scale, also mapped from photographs taken in April and May 1934. Shoreline and piers have changed considerably, as may be expected in a developing area over a 40-year period. These changes are numerous and are not shown on the comparison print. A wreck on T-5346 at Lat. 39 15.4', Long. 76 37.4' is in the same position as a charted wreck which was searched for by the field editor but not found.

In the area compared, TP-00837 supersedes T-5345 and T-5346 for nautical chart construction purposes. T-5345 and T-5346 are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with USGS Quadrangle BALTIMORE EAST, MD, 1:24,000 scale, dated 1953 and photo revised in 1966. In general, the comparison was good. There are some changes in cultural features, which is to be expected over a 10-year period.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the boat sheet for Survey H-9565 (AHP 5-8-75) and with the sounding overlay for Survey H-9566 (AHP 5-6-75). On H-9565, just east of the USS CONSTELLATION, there is a shoreline discrepancy. The field edit location is mapped on the photogrammetric manuscript. At the time of field edit, the bulkhead had been constructed but all of the earth seaward of it had not been removed. On H-9566, an obstruction just west of the Hanover Street Bridge and a tree approximately 50 meters SSE of Ferry Bar Channel Light 21 are not visible on the photographs and were not located by the field editor; they are not mapped on TP-00837.

The area at the southeast corner of this map sketched as "foul" on the sounding overlay for H-9566 is not compatible with what is visible on the photographs. It apparently is a storage area for sections of old drydocks and other items. This fact was verified by discussions with the field editor and hydrographer. Since these items are floating and movable, the area is not outlined on the photogrammetric manuscript. See the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS:

A Visual comparison was made with Chart 12281, 1:15,000 scale, 31st Edition, dated November 13, 1976. Several differences were noted. They are shown on the comparison print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions and meets requirements for Bureau Standards and National Standards of Map Accuracy.

Submitted by:

Charles H. Bishop

Charles HBeshop

Cartographer

February 17, 1977

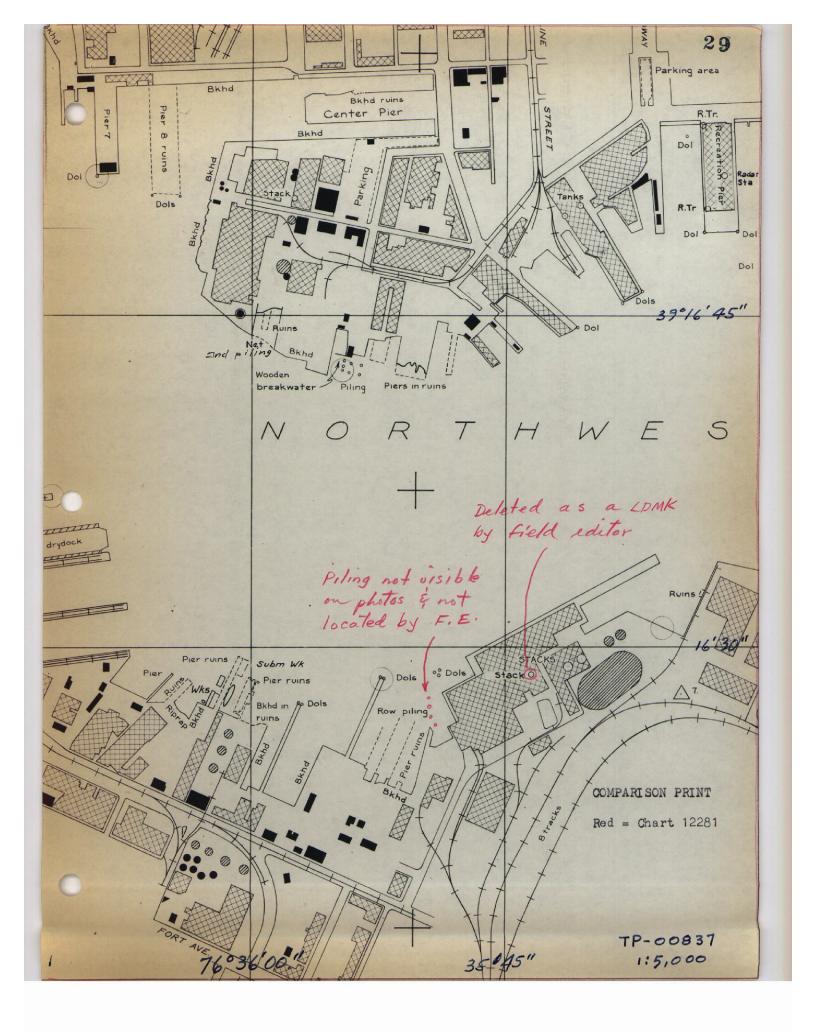
Approved for forwarding:

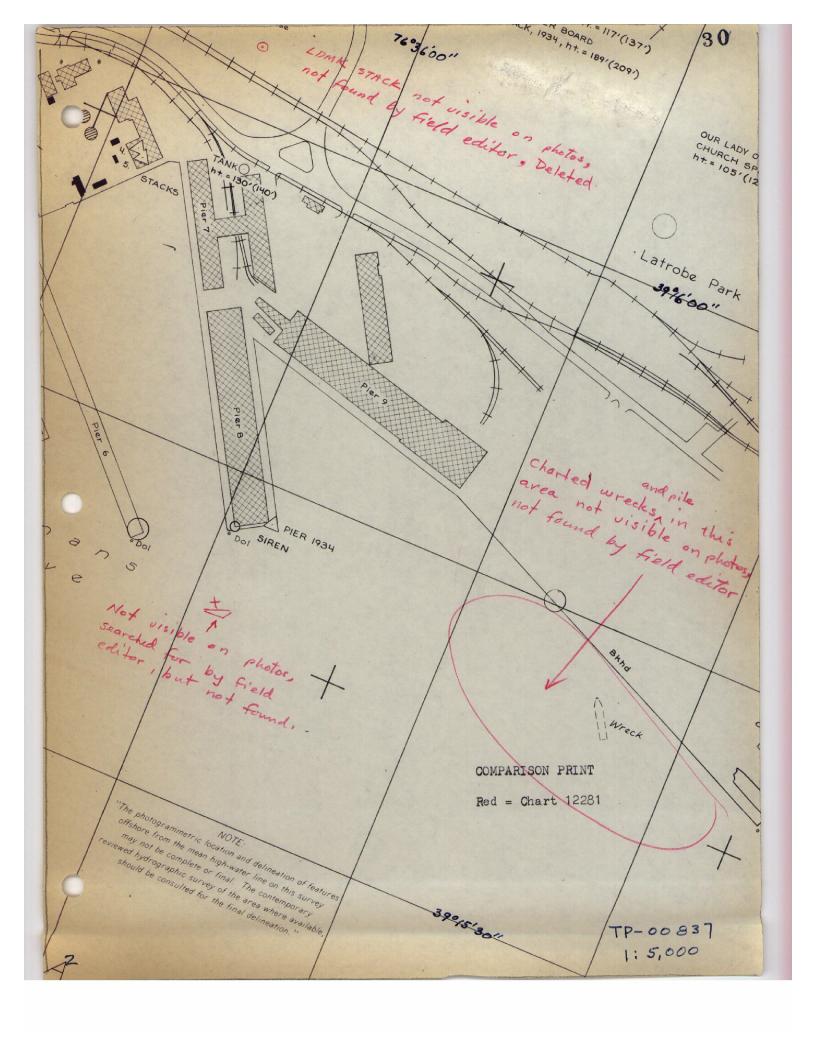
Joseph W. Vonasek Chief, Photogrammetric Branch, AMC

Approved:

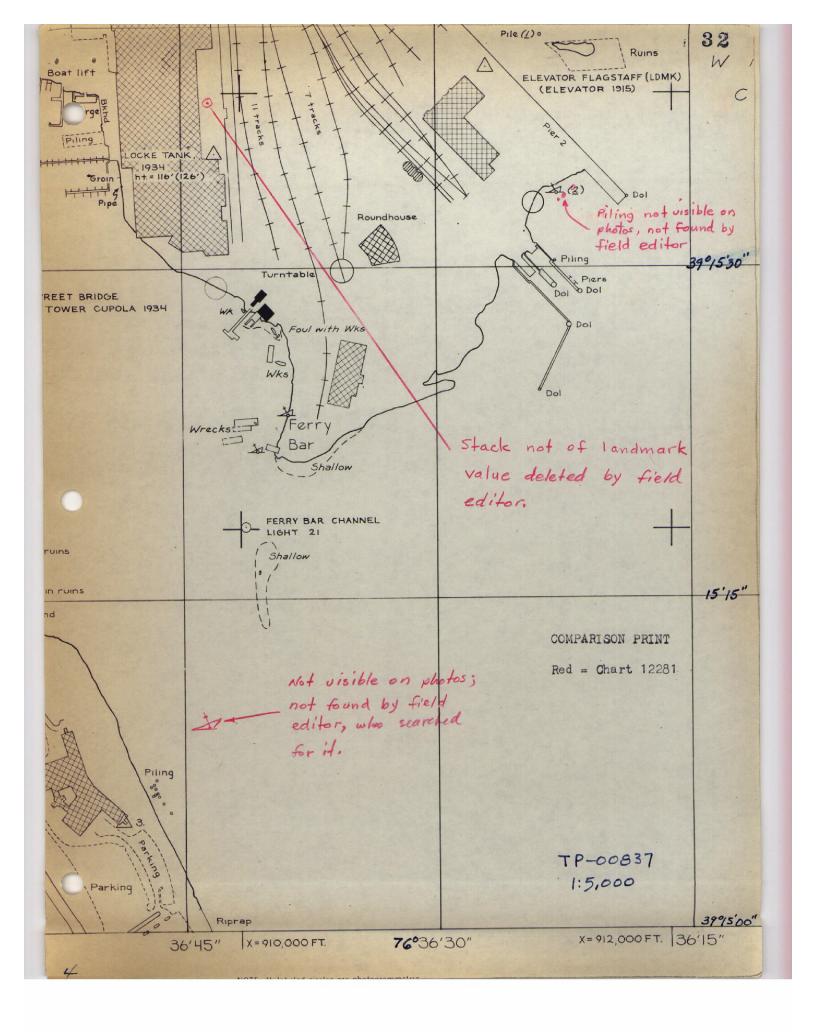
Chief, Photogrammetric Branch

Chief, Coastal Mapping Division





0,000 FT —	MIDDLE	BRANCH Shoreline can't be moved to accompodate soundings	Fence Piling
15′30″		TOWER Subm Cable	HANOVER ST NORTHEAST ht = (76)
	by field editor be not found. Not visible on photos.	ut "/	TOWER POIS
15/15"	WATERVIEW AVE.		Bkhd in Bkhd Bkhd Bkhd
		Cherry Hill COMPARISON PRINT Red = Chart 12281	Parking
39°15′00″ 76°3	37/30"	Red = Chart 12281 Purple = H-9566 X=908,000 FT. 3	TP-00837 1:5,000



33 COMPARISON PRINT Purple = H-9566 - Y= 518,000 FT. 15'15" Not visible on photos, not located by Field Piling (2) 0 O o(1) piling See Review Report, Par. 64. pipe 0 (3) (2) Rocky Island (2) (2) (2) Area subject to frequent change 39°15'00" X= 916,000 FT. 35'15" 76°35'00" 35'30"

> NATIONAL OCEAN SURVEY SHORELINE MANUSCRIPT TP-00837

MARYLAND BALTIMORE HARBOR

NORTHWEST HARBOR

SCALE 1:5,000 (1 inch = 416.66 ft.) CONTROL DATA

Polyconic projection: 1927 North American Datum plane coordinate system 2,000 foot grid based on Maryland

Datum plane: Mean High Water

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO)
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INSTRUCTIONS

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

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 Review.

CHART	DATE	CARTOGRAPHER	REMARKS
12281	7-30-80	DC Harpine	Full Part Before After Vention Review Inspection Signed Via
		~ /	Drawing No. 48 Eram No Cornection
12278	81480	M. Mohmud	Full Part Before After Verification Review Inspection Signed Via
		$r \cdot r$	Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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			Full Part Before After Verification Review Inspection Signed Via
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FORM CAGS-8852 SUPERSEDES ALL EDITIONS OF FORM CAGS-975.