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 IP-00839
Classification No.	Edition Nol
Field Edited M	lap
LOCALITY	,
State Maryland	
General Locality Baltimore	Harbor
Locality Colgate Creek	
1974 TO	1975
REGISTRY IN ARC	CHIVES
DATE	

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

NOAA FORM 76-36B				N/A T	10041 005			MENT OF COMMER
(3 - 72)			TP-008		IONAL OCE	ANIC AND A		RIC ADMINISTRATI DNAL OCEAN SURVI
		CON	PILATIO		ES			
								
1. COMPILATION PHO	TOGRAPHY							
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REMARKS								
*Compilatio	n photogr	aphy						
**Bridge pho	tography							
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and correcte	d by fiel	ld edit at Lat	300 7	51 50II	to 601	Long	760 32 I	25# on
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3. SOURCE OF MEAN	LOW-WATER	OR MEAN LOWER LO	W-WATER L	.INE:				
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4. CONTEMPURARY	n (DRUGRAPI	THE SURVETS (List o	niy mose si	rveys that	ere sources l	or pnotogram	metric surv	rey intormation.)
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5. FINAL JUNCTIONS	5							
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orary survey		TP-00852 (1:1			TP-0084	3	т	P-00838
REMARKS		<u> 5555% (11</u>						

OAA FORM 76-36C 3-72)		TP-00839 History of Field		U. S. DEPARTME NIG AND ATMOSPHERIC NATIONA	
. 💢 FIELD INSPE	CTION OPER		D EDIT OPERATION		<u>.</u>
	OP!	ERATION	T	NAME	DATE
. CHIEF OF FIELI					
. CRIEF OF FIEL	DPARTY		R. S. Tibbe	tts	Sep 1974
. HORIZONTAL CO	ONTROL	RECOVERED BY	None		
HORIZONTAL CO	ONTROL	PRE-MARKED OR IDENTIFIED BY	None None		
		RECOVERED BY	NA NA		
VERTICAL CON	TROL	ESTABLISHED BY	NA		
		PRE-MARKED OR IDENTIFIED BY	NA		
	RE	COVERED (Triengulation Stations) BY	None		
LANDMARKS AN		LOCATED (Field Methods) BY	None \		
AIDS TO NAVIGA		IDENTIFIED BY	None		
	,	TYPE OF INVESTIGATION			
GEOGRAPHIC NATION		COMPLETE			
III V ESTIGATION		SPECIFIC NAMES ONLY			
DUATA (1100565	rian.	X NO INVESTIGATION	 		<u> </u>
PHOTO INSPECT		SURVEYED OR IDENTIFIED BY	NA AN		
SOURCE DATA	40 LIMITS	SORVETED OR IDEN.ITFIED 61	4122		<u> </u>
HORIZONTAL CO	ONTROL IDE	NTIFIED	2. VERTICAL CO	TROL IDENTIFIED	
	None			NA	
HOTO NUMBER		STATION: NAME	PHOTO NUMBER	STATION DESI	GNATION
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PHOTO NUMBER	S (Clarificati	on of details)			
None LANDMARKS AN	D AIDS TO N	AVIGATION IDENTIFIED			
None					
HOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJECT	AME
GEOGRAPHIC N	AMES:	REPORT NONE	6. BOUNDARY AN	D LIMITS: REPOR	T X NONE
. SUPPLEMENTAL	MAPS AND	PLANS			
None	RECORDS (Ske	oich books, eic. DO NOT list data submit	ted to the Geodesy D	tvision)	
None		·			

NOAA FORM 76-36C (3-72)	TP-00839 History of Field	NATIONAL OCEA	NIC AND A	TMOSPHERIC /	T OF COMMERCIADMINISTRATION OCEAN SURVE
I. FIELD INSPECTION OP		D EDIT OPERATION			
	PERATION		NAME		DATE
1. CHIEF OF PIELD PARTY		George W. Ja	amerson		Sept/Oct
2. HORIZONTAL CONTROL	RECOVERED BY	G W Jamer			Sept 1975
	PRE-MARKED OR IDENTIFIED BY	NA			
-	RECOVERED BY	NA			
3. VERTICAL CONTROL	ESTABLISHED BY	NA.			
	PRE-MARKED OR IDENTIFIED BY	NA			
4. LANDMARKS AND	RECOVERED (Triangulation Stations) BY	G. W. Jamer	son		0ct <u>. 1975</u>
AIDS TO NAVIGATION	LOCATED (Field Methode) BY Verified DOWN XDEXECK BY	NA G. W. Jamer	eon		Oct. 1975
	TYPE OF INVESTIGATION	U. H. ORMOT	3011		151)
5. GEOGRAPHIC NAMES	COMPLETE BY			}	
INVESTIGATION	SPECIFIC NAMES ONLY				
 	X NO INVESTIGATION	<u> </u>			 _
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	G. W. Jamer	son		Oct. 1975
7. BOUNDARIES AND LIMITS II. SOURCE DATA	SURVEYED OR IDENTIFIED BY	[NA			
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y 3					
3. PHOTO NUMBERS (Clarifica	· ·				
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	NAVIGATION IDENTIFIED jects verified or deleted isted under 8. below.	in the			
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5. GEOGRAPHIC NAMES:	REPORT X NONE	6. BOUNDARY AN	D LIMITS:	REPORT	70 NONE
7. SUPPLEMENTAL MAPS AN		1		<u>Lan</u> 1140	<u> </u>
None	·				
8. OTHER FIELD RECORDS (S 2 Form 76-4 Field Edit Field Edit	Ozalid	ted to the Geodesy D	vision)		

NOAA FOR (3-72)	RM 76-36D				ATIONAL OCE	EANIC A	U. S. DEPARTMEN AND ATMOSPHERIC	NT OF COMMERCE ADMINISTRATION
	•		RECO	TP-00839 RD of Surve	Y USE			
I. MANUS	CRIPT COPIES							
	co	MPIL/	ATION STAGES	s			DATE MANUSCR	IPT FORWARDED
	DATA COMPILED		DATE	RE	MARKS		MARINE CHARTS	HYDRO SUPPORT
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Compi	ilation complete	D	ec 1975		Manuscrip rseded	pt	7 Jun 1976	
Fina]	l Review	М	far 1977				26 May 1977	
II. LANDA	MARKS AND AIDS TO NAVIGA	TION						
	PORTS TO MARINE CHART DI			DATA BRANCH				
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	REPORT TO MARINE CHART						· —————	1976
	REPORT TO AERONAUTICA RAL RECORDS CENTER DAT		RT DIVISION,	, AERONAUTICAL	DATA SEC	ION. U.	ATE FORWARDED.	
	BRIDGING PHOTOGRAPHS;		.] DUPLICATE	BRIDGING REPO	iR 7 'n ∑∏ Cc		ER READOUTS,	
2	CONTROL STATION IDENTI	IFICA"	TION CARDS;	X FORM XXXX	<u>ж хэрх</u> зивміт		Y FIELD PARTIES.	
. 3. <u>[X</u>]	SOURCE DATA (except for G ACCOUNT FOR EXCEPTION		phic Names Re	port) AS-LISTED I	IN SECTION II	I, NOAA	FORM 76-36C.	
4.	DATA TO FEDERAL RECO					<u>-</u>		_
IV. SURV	SURVEY NUMBER	shall b	JOB NUMBER		p edition is re		TYPE OF SURVEY	· ·
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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.

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 strip two. Office identified control was floated as checks. 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.

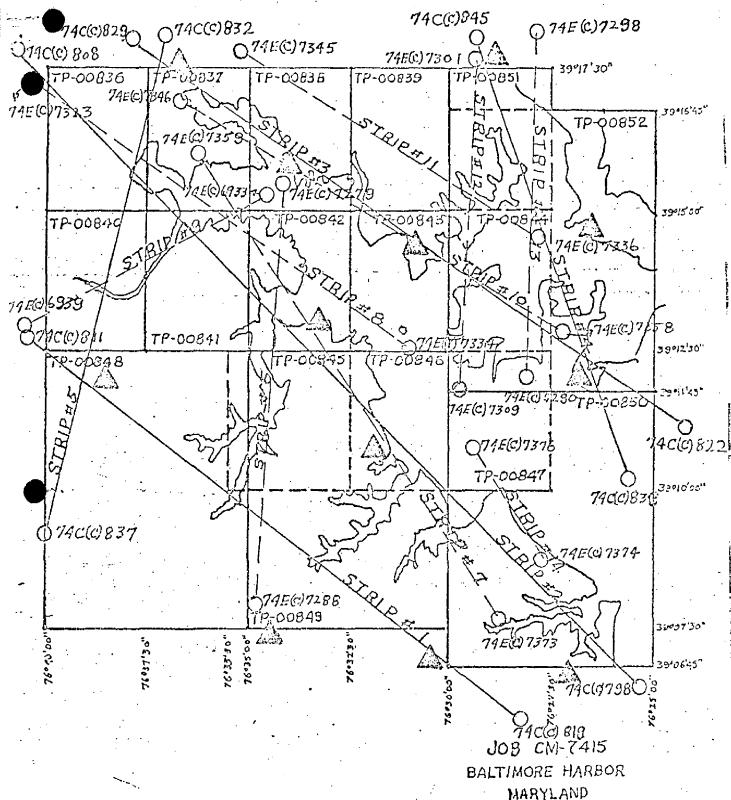
Approved and forwarded:

Respectfully submitted,

D. Perrow, or.

Ivev O. Raborn

John D. Perrow, Ør. Chief, Aerotriangulation Section



BRIDGING PHOTOGRAPHY
COMPILATION PHOTOGRAPHY

NOAA FORM 76-41 (6-75)					U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	DEPARTMENT OF	F COMMERCE
		DESCRIPTIV	CRIPTIVE REPORT CONTROL RECORD	1			
MAP NO.	JOB NO.		GEODETIC DATUM		ORIGINATING ACTIVITY	Coasta1	Mapping
TP-00839	CM-7415	15	NA 1927		Division,	Norfolk,	VA
		AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC	GEOGRAPHIC POSITION		
STATION NAME	INFORMATION	ANGULATION	STATE	т ф	LATITUDE	REMARKS	KS.
	\neg	NUMBER	ZONE	γ τ	LONGITUDE	FORWARD	BACK
WES, 1930			χ=	φ 39 15	13.123	404.7	(1445.6)
	P. 205		y=	λ 76 32	29.798	714.5	(724.1)
CRANE, 1930			χ	ф 39 15	12.205	376.4	(1473.9)
	P. 324		y=	λ 76 32	20.625	494.5	(644.1)
DUNDALK, NATIONAL DISTILLERS PROPHETS CORPORATION 1ARCE			χ=	φ 39 15	54.440	1678.8	(171.5)
K, 1958	P. 309		ig=	λ 76 31	11.815	283.3	(1155.1)
DUNDALK, NATIONAL DISTILLERS	G.P. Vol I		χ=	ф 39 ¹⁵	53.89	1661.9	(188.4)
PRODUCTS CORPORATION, STACK, 1952	Ъ.		y=	λ 76 31	10.31	247.2	(1191.2)
BALTIMORE BUREAU OF WATER	G.P. Vol I		χ=	ф 39 17	27.454	846.7	(1003.6)
SOFT LL, RED AND WILLE LAND, 1952			<i>y=</i>	λ 76 31	38.524	923.2	(515.6)
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COMPUTED BY A. C. Rauck, Jr.		5/20/75	compuration checked by F. Mauldin			OATE 5/27/75	75
Listed By A. C. Rauck, Jr.		PAJE 5/20/75	5/20/75 F. Mauldin			DATE 5/27/75	75
HAND PLOTTING BY A. C. Rauck, Jr.		DATE 5/21/75	HAND PLOTTING CHECKED BY F. Mauldin			DATE 5/28/75	75
		SUPERSEDES NO	DAA FORM 76-41, 2-71 EDITION WHIC	H IS OBSOLETE.			

COMPILATION REPORT

TP-00839

31. <u>DELINEATION</u>:

Delineation was by the Wild B-8 stereoplotter, using 1:15,000 scale color photography. The photography was of good quality and more than 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:

None.

37. LANDMARKS AND AIDS:

Preliminary Forms 76-40 for Landmarks and/or Nonfloating 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, Maryland, 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.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with the following USGS Quadrangle: BALTIMORE EAST, MD., scale 1:24,000, dated 1953 and photorevised 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:

Fay T. Mauldin Cartographer October 1975

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00839

FIELD EDIT

Field edit was adequate.

February 28, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7415 (Baltimore, Md.)

TP-00839

Baltimore & Ohio (RR)

Bullneck Creek

Colgate Creek

Dundalk

Patapsco River

Pennsylvania Central (RR)

Point Breeze

Approved by:

Charles E. Harrington Staff Geographer - C51x2

ſ	FORM C&GS-1002			l	J.S. DEPARTMENT OF COMMERCE
ł	13-007	PHO	TOGRAMMET	RIC OFFICE REVIEW	COAST AND GEODETIC SURVEY
l				- 00839	
4	1. PROJECTION AND GRIDS	2. TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
ı	it includes and and				3,22
	LON, Jr.	LON	Jr.		LON, Jr.
Ì	CONTROL STATIONS				
ľ	5. HORIZONTAL CONTROL STA THIRD-ORDER OR HIGHER A	TIONS OF	6. RECOVERA	BLE HORIZONTAL STATIONS AN THIRD-ORDER ACCURACY	7. PHOTO HYDRO STATIONS
l			(Topographic	stations)	
ļ	LON, Jr.	9. PLOTTING	ESEYTANT	NA	NA 11. DETAIL POINTS
1	U. BENCA MARKS	FIXES	or sext and	10. PHOTOGRAMMETRIC	Not for Hydro
l	NA	XX	τ	LON, Jr.	LON, Jr.
ŀ	ALONGSHORE AREAS (Nautical			201, 02.	1501, 01.
Ì	12, SHORELINE	13. LOW-WATER	LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
					1
1	LON, Jr.	XX 17. LANDMARK		LON, Jr.	LON, Jr. 19. OTHER ALONGSHORE CULTURAL FEATURES
ı	IS AIDS TO NAVIGATION	17. LANDMARK	.5	PHYSICAL FEATURES	CULTURAL FEATURES
ļ	XX	TON	Jr.	TON To	T ON To
ł	PHYSICAL FEATURES	LON	UI.	LON, Jr.	LON, Jr.
ŀ	20. WATER FEATURES		21. NATURAL	GROUND COVER	22. PLANETABLE CONTOURS
ŀ					
ļ	LON, Jr.			NA	NA
1	23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS	IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
	NA	TK.	IA	NA	XX
ŀ	CULTURAL FEATURES			1111	ALC:
Ì	27. ROADS	28. BUILDINGS		29. RAILROADS	30. OTHER CULTURAL FEATURES
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ŀ	LON, Jr.	LON	l, Jr.	LON, Jr.	
ŀ	BOUNDARIES 31. BOUNDARY LINES			32, PUBLIC LAND LINES	
l	N	IA			NA
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Ī	33. GEOGRAPHIC NAMES		34. JUNCTION	5	35. LEGIBILITY OF THE
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ŀ	LON, Jr.	37. DESCRIPTI	VE REPORT	LON, Jr.	LON, Jr.
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	Lowell V. Weller	X1		allost C. Ko	auch-G.
	Lowell O. Neterer	Jr. 22	Oct 1975	Albert C. Rauck,	Jr.
ŀ	41. REMARKS (See attached shee FIELD COMPLETION ADDITION		TIONS TO THE	A MILLOND T	
ŀ	42. Additions and corrections				as the management The second
	script is now complete exc	ept as noted un	der item 43.	ion survey have been applied	to the manuscript. The manu-
Ì	COMPILER Fay T. Mauldi	n 17	Dec 1975	SUPERVISOR	Nuch 1
	way mould	سَمَ	Tan 1074	Albert C. Rauck, J	in with y.
ŀ	Reviewed by: A. L. 43. REMARKS	Shands 27	Dan 17/0	Albert C. Rauck, J	I.T. •
	7.20	LIVAN VIEW			
	See Form 76-36C, H	istory of	Field Oper	ations, Field Edit I	Item #8
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- 1					

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

FIELD EDIT REPORT

TP-00839

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 referred to on the field edit paper ozalid. All field edit notes are in purple ink for additions, and in green ink for deletions.

Searches by boat for reported features below mean high water were made. Due to the limited visibility into the water and lack of wire drag equipment, any negative findings noted in the field edit data should be compared with the latest hydrographic survey of the area. Negative findings are considered conclusive only if so stated on the field edit ozalid.

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 the sheet was adequate. Areas compiled with rocks are changed as there are no rocks on this sheet. These areas were shallow areas; the rocks compiled were trash, such things as tree limbs, logs, tires, etc. The shallow areas are approximately correct, the draft of our boat prevented a thorough investigation, however hydrography should clarify the areas indicated as shallow. Questions concerning wrecks were answered negatively, however the visibility into the water was poor. In Bullneck Creek, several boathouses are indicated on the field edit sheet to be deleted as these are merely pier floors, not buildings. Compilation will be complete with the application of field edit notes.

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.



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

57. LANDMARKS AND AIDS TO NANIGATION

There are five landmarks to be charted, one of which was not previously charted. There are four landmarks to be deleted, all of which have been destroyed.

There are no non-floating aids to navigation on this sheet to be charted.

See forms 76-40.

58. FIELD EDITOR

Field edit was performed by Lt. George W. Jamerson and Mr. Höward V. Hart, in October, 1975.

Respectfully submitted,

George W. Jamerson

Lt. NOAA

October 31, 1975

CTIVITY	F.	\ \		. & REVIEW GRP.	ble personnel)			CHARTS	AFFECTED		12273	122797		, ,	=	. = =		=]	2
ORIGINATING ACTIVITY	HYDROGRAPHIC PARTY	PHOTO FIELD PARTY	COMPLATION ACTIVITY	OUALITY CONTROL & REVIEW GRP	(See reverse for responsible personnel)		E OF LOCATION	on reverse side)		FIELD		Aug.1975'	n Oct.1575	<u> </u>		F-V-Vis. Oct.1975 /	Triang.Rec., Oct.1975'									
U.S. DEPARTMENT OF COMMERCE			DAIR	Dec.1975			METHOD AND DATE OF LOCATION	(See Instructions on reverse side)		OFFICE	7년(0)7352.	Oct.21,1974	74E(G)7340 0ct.21,1974	= =		* = =				,						
U.S. DEPARTM				rbor	from seaward to determine their value as landmarks.		` `		LONGITUDE	D.P. Meters	20.625	194.5	11.815	10.311	24.7.2	34.04	38.523						,	•		
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REVIEW REPORT TP-00839

SHORELINE

March 7, 1977

61. GENERAL_STATEMENT:

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

No comparison print was prepared for this map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

North of Lat. 39° 15' 30", a visual comparison was made with a 1:20,000 scale reduction of 1:10,000 scale Survey T-5420, which was mapped from November 1933 photography. South of Lat. 39° 15' 30", a comparison was made with Survey T-5421, 1:10,000 scale, mapped from November 1933 photography. There has been industrial development along Colgate Creek, which has brought about shoreline changes and the removal of many small private piers. Shoreline changes in Bullneck Creek appear to have been caused by erosion. Several small piers have been added.

In the area compared, TP-00839 supersedes T-5420 and T-5421 for nautical chart construction purposes. T-5420 and T-5421 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, photorevised in 1966. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the Sounding Overlay for Survey H-9564 (AHP 5-7-75) and the Boat Sheet for Survey H-9643 (HSB 5-1-76). No significant differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 12281, 1:15,000 scale, 31st Edition, dated November 13, 1976.

All charted rocks in Colgate Creek (which originated from the Class III Manuscript TP-00839) were deleted by the Field Editor - there are no rocks in this area.

Four charted wrecks in Colgate Creek are not visible on the photographs, are not on H-9564, and were not observed by the Field Editor. Apparently the southerly two were brought forward from Survey T-5421. The origin of the northerly two is not known to this reviewer.

Two charted small piers at approximate Lat. 39° 15.2', Long. 76° 30.5' are not visible on the photographs, were not observed by the Field Editor, and are not on H-9643.

An object charted at approximate Lat. 39° 15', Long. 76° 30.2' is not visible on the photographs, is not on H-9643, and was not observed by the Field Editor. It was apparently brought forward from Survey T-5421, which shows a pier at this position.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted:

Charles H. Bishop

Cartographer March 7, 1977

Approved for forwarding:

Joseph Woursek

(Joseph W. Vonasek

Chief, Photogrammetric Branch, AMC

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

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 Review.

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FORM C&GS-8852 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

USCOMM-DC 8558-P63