#### NOAA FORM 76-35

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

## **DESCRIPTIVE REPORT**

Type of Survey Shoreline	9
Job No CM-7415	<i>Мар No.</i> ТР-00841.
Classification No.	Edition No
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DATE	

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-761-152

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NOAA FORM 76-36A (3-72) NATIONAL O	U. S. DEPARTMENT OF COMMERCE CEANIC AND ATMOSPHERIC ADMIN	TYPE OF S	URVEY	SURVEY	тр. 00841
		ORIGINA		MAPEDIT	ION NO. (1)
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PHOTOGRAMMETRIC OFFICE		<del>-</del>		<del></del>	
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Jeffrey G. Carlen, Cd	Ţ. •				· · ·
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Aerotriangulation	7 Feb 1975		August	16,197	4
Compilation	12 Mar 1975	}			
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I. HORIZONTAL:	1927 NORTH AMERICAN	O THE COPPORT	,		
2. VERTICAL:	MEAN HIGH-WATER  MEAN LOW-WATER  MEAN LOWER LOW-WATER  MEAN SEA LEVEL	OTHER (Specify	,		
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i. scale 1:5,0	00	STATE		ZONE	
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OPER .	ATIONS		NAME		DATE
I. AEROTRIANGULATION	BY	I. Raybor	<u>n</u>	<u> </u>	Apr 1975
METHOD: Analytic	LANDMARKS AND AIDS BY PLOTTED BY	R. Robert		<del></del>	Apr 1975
METHOD: Calcomp	CHECKED BY	R. Robert			Apr 1975
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	C. Blood			Jul 1975
COMPILATION	CHECKED BY		erer, Jr.		Jul 1975
INSTRUMENT: Wild B-8	CONTOURS BY	NA NA			<del>                                     </del>
scale: 1:7,500  MANUSCRIPT DELINEATION	CHECKED BY PLANIMETRY BY	J. Roderi			Aug, Oct 197
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	by	D. Butler	Andr India	<u> </u>	Jan 1976
6. APPLICATION OF FIELD EDIT	DATA	1 T 03	1		TI. 1- 7 OC/6



7. COMPILATION SECTION REVIEW

9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH

10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH

8. FINAL REVIEW

NOAA FORM 76-36 A

CHECKED BY

BY

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ВΥ

Feb 1976

Feb 1976

Mar 1977

May 1977

A. L. Shands

A. L. Shands

C. H. Bishop

J.B. Phillips

NOAA FORM 76-36B			<del></del>						OF COMMERCE
(3-72)			TP-00		IAL OCEA	ANIC AND			MINISTRATION OCEAN SURVEY
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3. SOURCE OF MEA	N LOW-WATER C	OR MEAN LOWER LO	OW-WATER	LINE:					
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4. CONTEMPORARY	HYDROGRAPHI	IC SURVEYS (List of	only those s	irveys that are	sources fo	or photogram	nmetric su	rvey info	ormation.)
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. VERTICAL CON	TROL	ESTABLISHED BY	NA NA		
		PRE-MARKED OR IDENTIFIED BY	NA None	·	
		COVERED (Triangulation Stations) BY	None None		
LANDMARKS AN AIDS TO NAVIG		LOCATED (Field Methods) BY	None		
		TYPE OF INVESTIGATION	None		<u> </u>
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. PHOTO INSPECT	TION	CLARIFICATION OF DETAILS BY			
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FIELD INSPECTION OPE	RATION	D EDIT OPERATION		
ОР	ERATION		NAME	DATE
CHIEF OF FIELD PARTY				
Onte of Field Family		George W. Ja	merson Sept-	Oct 1975
HORIZONTAL CONTROL	RECOVERED BY	G, W, J.		Sept 1975
HORIZONTAL CONTROL	PRE-MARKED OR IDENTIFIED BY	NA		<del>                                     </del>
	RECOVERED BY	NA		
VERTICAL CONTROL	ESTABLISHED BY	NA		1
1	PRE-MARKED OR IDENTIFIED BY	NA	\	<u> </u>
R	ECOVERED (Triangulation Stations) BY	G. W. J.	- <del> </del>	Oct. 1975
LANDMARKS AND	LOCATED (Field Methods) BY	NA		
AIDS TO NAVIGATION	Verified XXXXXXXXXXXXXXX	G. W. J.		Oct. 1975
	TYPE OF INVESTIGATION			
GEOGRAPHIC NAMES	COMPLETE BY			
INVESTIGATION	SPECIFIC NAMES ONLY	•		
	NO INVESTIGATION			
PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	G. W. J.		Oct, 1975
SOURCE DATA	SURVEYED OR IDENTIFIED BY	NA		L
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. PHOTO NUMBERS (Clarificati	on of details)			
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	ts verified in the field	are listed v	under 8. below.	
HOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT :	NAME
GEOGRAPHIC NAMES:	REPORT X NONE	6. BOUNDARY AN	D LIMITS: TREPOR	T X NONE
SUPPLEMENTAL MAPS AND				
None				
OTHER FIELD RECORDS (Sk	etch books, etc. DO NOT list data submit	ted to the Geodesy D	ivision)	
2 Form 76-40			r	
1 Field Edit (	zalid			

NOAA FORM 76-36D (3-72)

U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TP-00841

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	DATA COMPILED	DATE	RE	MARKS		MARINE CHARTS	HYDRO SU	PPORT
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	d Edit applied. ilation complete.	Jan 76	Class I M Super	Manuscrip seded	t	7 Jun 76		
Fina	l Review	Mar 77				26 May 77	·	
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III. FEDE	RAL RECORDS CENTER DAT	A		. "				
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IV. SURVI	EY EDITIONS (This section s				aistered)			
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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 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.

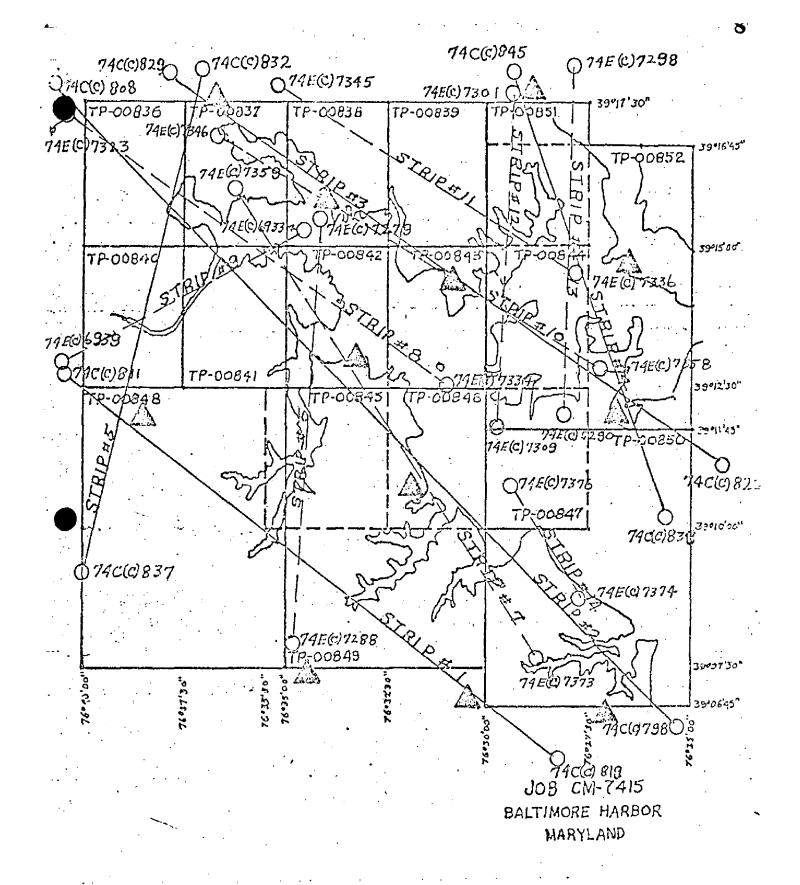
Approved and forwarded:

Respectfully submitted,

John D. Perrow, Wr.

Ivey O. Raborn

Chief, Aerotriangulation Section



BRIDGING PHOTOGRAPHY COMPILATION PHOTOGRAPHY

MAP NO. TP-00841			に こに りここ いりここうし こにいりこり	2			
	JOB NO.		GEODETIC DATUM		ORIGINATING ACTIVITY	ITY COASTA	Mapping
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	INFORMALION (Index)	POINT	ZONE		LONGITUDE	FORWARD	BACK
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	P. 231		g = g	λ 76 36	50.330	1206.9	(231.8)
NORTHERLY	G.P. Vol I		χε	\$ 39 14	53,375	0*9791	(204.3)
OF TWO STACKS, 1934			y=	λ 76 37	00.444	10.6	(1428.1)
SOUTHERLY	G.P. Vol I		χ=	ф 39 14	52.770	1627.3	(223.0)
OF TWO STACKS, 1934			<i>y=</i>	λ 76 37	01.014	24.3	(1414.4)
BROOKLYN, CHURCH SPIRE, 1915	G.P. Vol I		<i>-</i> χ	ø 39 14	14.647	451.7	(1398.6)
	P. 323		y=	λ 76 36	25.744	617.4	(821.6)
CURTIS BAY, TANK, 1957			<i>5</i> χ	ф 39 13	28.876	890.5	(959.8)
	P. 74		<i>y</i> =	λ 76 35	34.922	837.7	(601.6)
DRYDOCK, 1934	G.P. Vol I		-χ	ф 39 14	. 57.972	1787.7	(62.6)
	P. 231		y=	λ 76 35	00.344	8.2	(1430.5)
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COMPUTED BY A. C. Rauck, Jr.		DATE 5/21/75	COMPUTATION CHECKED BY F. Mauldin - C. Bishop			5/27/75	- 3/17/77
LISTED BY A. C. Rauck, Jr.		DATE 5/21/75	Listing CHECKED BY F. Mauldin - C. Bishop			DATE 27/75	- 3/17/77
HAND PLOTTING BY A. C. Banck, Jr.		5/22/75	HAND PLOTTING CHECKED BY F. Mauldin - C. Bishop			5/28/75	- 3/18/77

#### COMPILATION REPORT

#### TP-00841

#### 31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter. Photography was adequate (1:15,000 scale).

#### 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 compiled.

#### 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 forms, after field edit, 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: CURTIS BAY, MD., scale 1:24,000, dated 1969.

#### 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:

Yoanne Roderick Cartographer October 10, 1975

Joanne Roderick

Approved:

Chief, Coastal Mapping Section

#### ADDENDUM TO THE COMPILATION REPORT

TP-00841

#### FIELD EDIT

Field Edit was well done and complete. No problems were encountered while applying it to the manuscript.

Submitted by:

Charles H. Bishop

Charles H. Bishop Final Reviewer March 16, 1977

February 28, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7415 (Baltimore, Md.)

TP-00841

Baltimore

Baltimore & Ohio (RR)

Cabin Branch

Curtis Bay

Patapsco River

Reed Bird Island

Approved by:

Charles E. Harrington Staff Geographer - C51x2

FORM C&G5-1002				U.S. DEPARTMENT OF COMMERCE
(9-00)	PHO	TOGRAMMET	RIC OFFICE REVIEW	COAST AND GEODETIC SURVEY
			- 00841	
1. PROJECTION AND GRIDS	12. TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
			OF MANOSCHIEF THOMBENS	4 MANOSCRIPT SIZE
FPM	FPM	İ	FPM	FPM
CONTROL STATIONS				• • • • • • • • • • • • • • • • • • • •
5. HORIZONTAL CONTROL ST THIRD-ORDER OR HIGHER	ATIONS OF	6. RECOVERA	BLE HORIZONTAL STATIONS AN THIRD-ORDER ACCURACY	7. PHOTO HYDRO STATIONS
	TOO URAC Y	(Topographic	stations)	j
FPM 8, BENCH MARKS	9. PLOTTING	E SEVEANT	NA 110. photogrammetric	NA II. DETAIL POINTS
OF DEMON MARKS	FIXES	77 35717191	PLOT REPORT	THE BETATE POINTS
NA	l xx	,	FPM	FPM
ALONGSHORE AREAS (Nautica	<del> </del>			
12. SHORELINE	13. LOW-WATER	LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
FPM 16. AIDS TO NAVIGATION	XX 17. LANDMARK		FPM	FPM
10. AIDS TO NAVIGATION	I'V EANDMARK	.5	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
FPM	FPM	i	FPM	FPM
PHYSICAL FEATURES	1		1211	
20. WATER FEATURES		21. NATURAL	GROUND COVER	22. PLANETABLE CONTOURS
FPM	1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -		NA	NA NA
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS	IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	l NA		NA	FPM
CULTURAL FEATURES				<del></del>
27. RO ADS	28. BUILDINGS		29. RAILROADS	30. OTHER CULTURAL FEATURES
TTDM	TOTAL		THOM	+
FPM	FPM	<u> </u>	FPM	FPM
BOUNDARIES 31. BOUNDARY LINES			32, PUBLIC LAND LINES	
N	A			NA
MISCELLANEOUS				
33. GEOGRAPHIC NAMES		34. JUNCTION	S	35. LEGIBILITY OF THE MANUSCRIPT
FPM 36. DISCREPANCY OVERLAY	37. DESCRIPTI	VE REPORT	JLB	FPM 39. FORMS
			PHOTOGRAPHS	
XX	XX		FPM	FPM
40. REVIEWER Frank Marg	iotta (Part	ial) 8/75	SUPERVISOR, REVIEW SECT	ON OR UNIT
Juni Byr	ð		albut C. Ka	uch.
Jim Byrd '		10/75	Albert C. Rauck,	Jr.
41. REMARKS (See attached she FIELD COMPLETION ADDITION		FIONS TO THE M	ANUCCOINT	
				to the manuscript. The manu-
script is now complete ex	cept as noted und	der item 43.		to the manuscript. The manu-
COMPILER David Butl	er Jana Bu	1/20/76	SUPERVISOR	60
,	er Jana Bu	nd planter	allut C. Kau	all y-
Reviewer: A. L. Sh 43. REMARKS	ands	<u>2/05/76</u>	I Albert C. Rauck,	Jr.
	AC History	of Field	Operations - Field 1	Edit. Item #\$.
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# U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration NATIONAL OCEAN SURVEY

#### FIELD EDIT REPORT

TP-00841

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 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 mean high water were made; because of the limited visibility into the water and lack of wire drag equipment or personnel in quantity to operate such equipment, any negative findings noted in the field edit data should not be considered conclusive, unless otherwise noted. 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 was generally adequate. There were several changes in the shoreline; these are indicated on the photos. These areas were found to be somewhat in error in regard to the MHWL. Due to the stage of the tide at the time of photography in these particular areas, the shoreline was changed by field edit to reflect the correct MHWL. The remaining areas on this sheet that were not changed were found to be properly delineated due to the steeper shoreline in these areas. Refer to the photographs. There was an area delineated as an island in the vicinity of approximate lat 39° 15' 05", long, 76° 35' 25" which should be checked against hydrography to confirm the island. The island was covered at the time of field edit of this sheet, however was not covered at the time of edit of sheet TP-00837 on which the island is delineated. Reference therefore should be made to the boatsheet and sheet TP-00837.

An area near the mouth of the Patapsco River indicated as shallow was not delineated further by field edit. The area was approximately correct as shown by photos, however it is recommended that reference to the boatsheet be made. All questions are answered and appear on the field edit ozalid as do other notes.



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

Compilation will be complete with the application of field edit data.

#### 56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

#### 57. LANDMARKS AND AIDS TO NAVIGATION

There are five landmarks on this sheet recommended for charting and two erecommended for deletion.

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

58. Field edit was performed by Lt. George Jamerson and Mr. Howard Hart in October and November, 1975.

Respectfully submitted,

Murge W. Jamemon George W. Jamerson

Lt. NOAA

November, 1975

NOAA FORM 76-40	-40		4 2	HONAL OCE	U.S. DINA	. DEPARTM	ENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567.	Form 567	*	MARKS	FOR CHA	RTS		LANDWARKS FOR CHARTS	GEODETIC PARTY PHOTO FIELD PARTY	<u> </u>
TO BE CHARTED	>	STATE		LOCALITY			DATE	COMPLEATION ACTIVITY	, YTY /
TO BE REVISED		Márylánd	\	Balti	Baltimore Harbor	rbor /	Jan.1976	COAST PLOT BRANCH	FRECHES ORD.
The following objects	ects HAVE Y HAVE NOT	been inspected from seaward to determine their value as landmarks	ward to de	termine thei	r value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
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514 /	CM-7415 ~	TP-00841		17.77	13		METHOD AND DATE OF LOCATION (See instructions on reverse eide)	E OF LOCATION	7 + 0 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1
			EATITUDE		LONGITUDE	an			AFFECTED
CHARTING	DESCRIPTION (Record reason for deletion of landmark of eld to nevigation. Show relativistics absolute where where and indicable, in perentheses)	to navigation.	0	// // M	,	// O Merers	OFFICE	FIELD	
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HYDROGRAPHIC PARTY

GEODETIC PARTY

COMPILATION ACTIVITY

FINAL REVIEWER

GUALITY CONTROL & REVIEW GRP. (See reverse for responsible personnel) AFFECTED 12279 CHARTS 1 12281 = ORIGINATING ACTIVITY = • 5 > Oct.1975 METHOD AND DATE OF LOCATION (See instructions on reverse side) F-V-Vis. FIELD = = 3 H L Jan. 1976 Oct.21,1974 7年(c)7282× U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION DATE OFFICE . been inspected from seaward to determine their value as landmarks D.P. Meters 735.14 30.653 Ö Baltimore Harbor/ į, LONGITUDE 35.1 ኢህ ሊሚ **CALANDWARKS FOR CHARTS** 92 , ; 92 N.A.1927 POSITION 52.05 D.M. Merers 1605.2 : . . . LATITUDE 13.1 ,21 DATUM 36 0 Maryland~ 8 (Curtis Bay, Charles Walton Company, J Tank, 1957) Tank destroyed. DESCRIPTION (Record reseon for defetion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses) . TP-00841/ SURVEY NUMBER ... ... .... Ç Coastal Mapping Div. . Tank not visible. REPORTING UNIT (Field Perty, Ship or Office) The following objects HAVE X /HAVE NOT OPR PROJECT NO. CM-7415 / Replaces C&GS Form 367. TO BE CHARTED TO BE REVISED NOAA FORM 76-40 CHARTING NAME ۶. TANK TANK

Z Z

#### REVIEW REPORT TP-00841

#### SHORELINE

#### March 17, 1977

#### 61. GENERAL STATEMENT:

See Summary which is Page 6 of this Descriptive Report.

A comparison print showing differences noted in Par. 65 is bound with the original of this report.

#### 62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with a copy of Survey T-5346, 1:10,000 scale, mapped from photography of April and May 1934. There has been much buildup of shoreline since 1934 - there are large differences between the two maps.

In the area compared, TP-00841 supersedes T-5346 for nautical chart construction purposes. T-5346 is the latest registered prior survey of the area.

#### 63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with USGS Quadrangle CURTIS BAY, MD., 1:24,000 scale, dated 1969. No significant differences were noted.

#### 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the Sounding Overlay for Survey H-9566 (HSP 5-6-75). No significant differences were noted.

#### 65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 12281 (545), 1:15,000 scale, 31st Edition, dated November 13, 1976. Dolphins charted on the south side of Cabin Branch at Long. 76° 35' 00" are not visible on the photographs and were not observed by the field editor. Two landmark tanks charted in the Cabin Branch area no longer exist. Wrecks and rocks charted in the Patapsco River north of Lat. 39° 14' 30" are shown on the comparison print in red with explanatory notes.

#### 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:

Charles HBishop

Charles H. Bishop Cartographer March 17, 1977

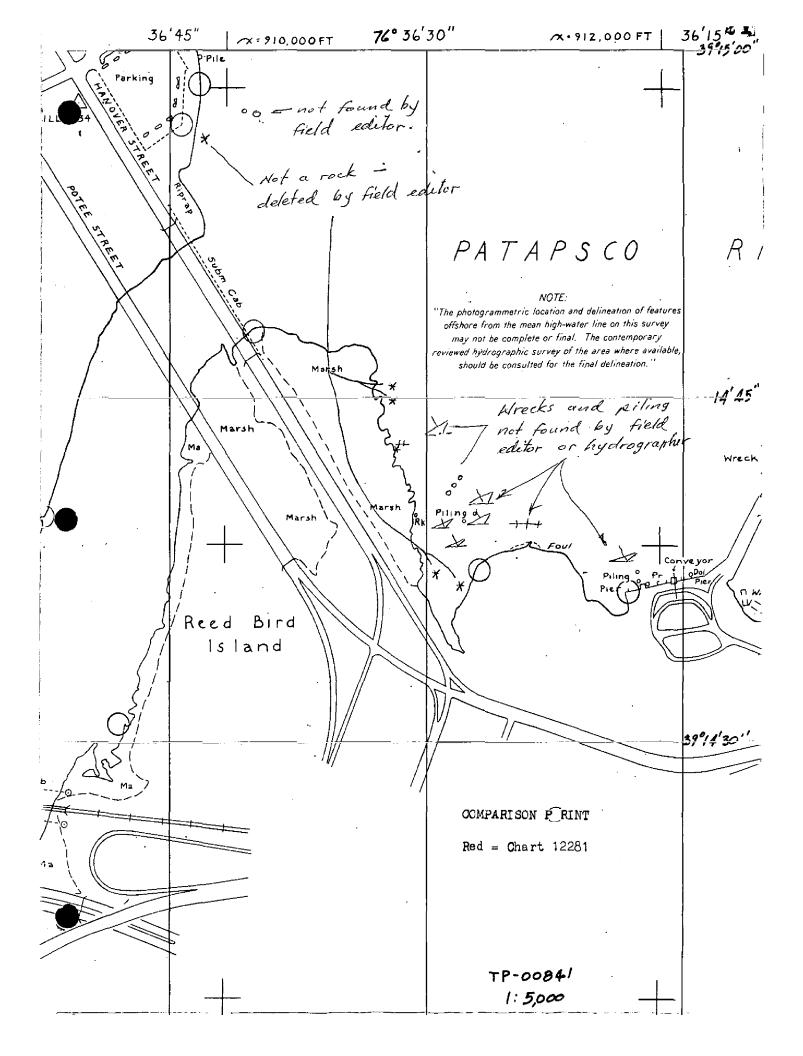
Approved for forwarding:

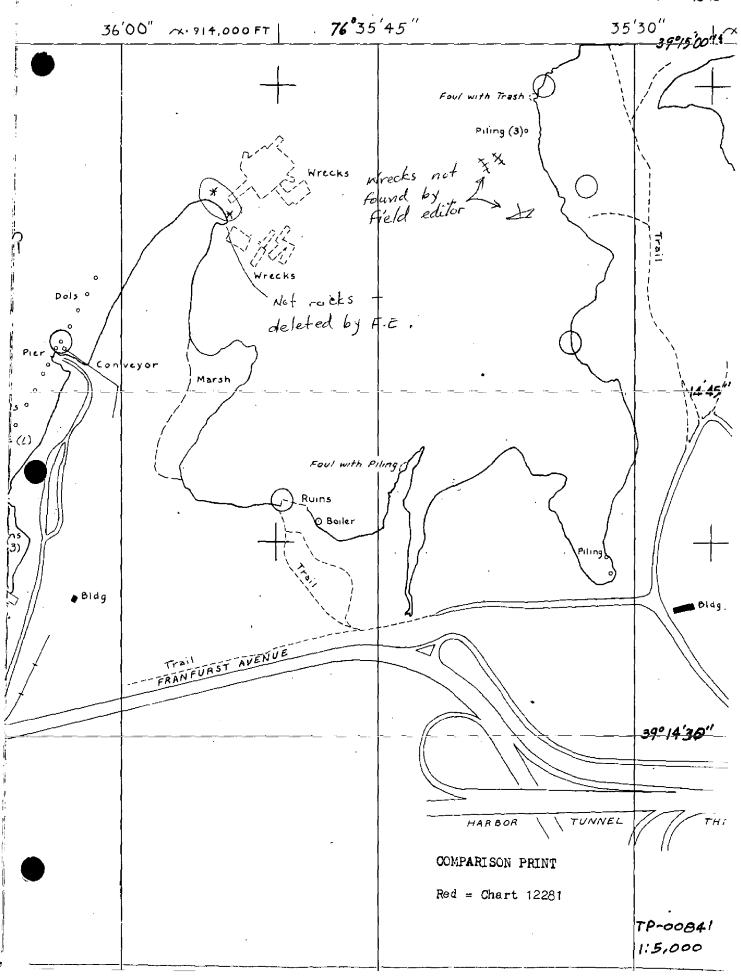
Joseph W. Vonasek

/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.

1. Letter all information.

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

12281	DATE	CARTOGRAPHER	REMARKS
''/~' C'' '	7-31-80	Marka Molmul	Full Part Before After Verification Review Inspection Signed Via
ACC)	1-31 00	MONIFERENTERMEN	Drawing No. 48
		0	
12278	8.14-88	Martha Notroud	Full Part Before After Verification Review Inspection Signed Via
160/1	01100	Manhall promit	Drawing No. 65
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