

TP-00846

ORIGINAL

TP-00846

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-00846

Classification No. .... Edition No. ..1.....

Field Edited Map

### LOCALITY

State ..... Maryland

General Locality ..... Baltimore Harbor

Locality ..... Stony Point

19 74 TO 1975

### REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, VA		SURVEY TP. <u>00846</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>FM-CM-7415</u>	
OFFICER-IN-CHARGE  Jeffrey G. Carlen, Cdr.		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
<b>I. INSTRUCTIONS DATED</b>			
1. OFFICE		2. FIELD	
Aerotriangulation Compilation		2/07/75 3/12/75	
August 16, 1974			
<b>II. DATUMS</b>			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION  Polyconic		4. GRID(S) STATE Maryland ZONE	
5. SCALE 1:5,000		STATE ZONE	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		I. Rayborn	4/75
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp CHECKED BY		R. Robertson	4/75
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		J. D. Roderick	11/75
INSTRUMENT: Wild B-8 SCALE: 1:7,500		L. O. Neterer, Jr./J. L. Byrd	11/75
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		J. D. Roderick	11/75
METHOD:		F. Margiotta	2/75
SCALE: 1:5,000		NA	NA
HYDRO SUPPORT DATA BY CHECKED BY		NA	NA
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		J. D. Roderick	2/76
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		F. Margiotta	2/76
7. COMPILATION SECTION REVIEW BY		F. Margiotta	2/76
8. FINAL REVIEW BY		C. H. Bishop	5/77
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		C. H. Bishop	5/77
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		J. B. Phillips	6/77
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R. T. Catlett	7/77

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00846  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" and RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE BALTIMORE		<input checked="" type="checkbox"/> (C) COLOR <input type="checkbox"/> (P) PANCHROMATIC <input type="checkbox"/> (I) INFRARED		ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES Fort McHenry <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74E(C)7365 - 7369*	10/21/74	11:48	1:15,000	0.8 ft. above MLW	
74C(C)801 - 803**	10/05/74	10:37	1:30,000	0.9 ft. above MLW	

## REMARKS

\*Compilation photography  
 \*\*Bridge photography

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The MHWL was compiled from office interpretation of the above listed photographs.

## 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

None compiled.

## 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00843	TP-00847 TP-00852 (1:10,000)	TP-00849 (1:10,000)	TP-00845 TP-00849 (1:10,000)

## REMARKS

This manuscript lies within the northeast corner of TP-00849, scale 1:10,000.

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

TP-00846

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	9/74
2. HORIZONTAL CONTROL	R. S. Tibbetts	9/74
RECOVERED BY	None	
ESTABLISHED BY	R. S. Tibbetts	9/74
PRE-MARKED OR IDENTIFIED BY	NA	
3. VERTICAL CONTROL	NA	
RECOVERED BY	NA	
ESTABLISHED BY	NA	
PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	R. S. Tibbetts	9/74
RECOVERED (Triangulation Stations) BY		
LOCATED (Field Methods) BY	R. S. Tibbetts	9/74
IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
74E(C)6796	BALTIMORE GAS AND ELECTRIC COMPANY, HERBERT A. WAGNER STATION, NORTH STACK, 1957		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

1 Form 152 (CSI)

TP-00846  
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	George W. Jamerson	9/75
2. HORIZONTAL CONTROL	George W. Jamerson	9/75
RECOVERED BY	NA	
ESTABLISHED BY	NA	
PRE-MARKED OR IDENTIFIED BY	NA	
3. VERTICAL CONTROL	NA	
RECOVERED BY	NA	
ESTABLISHED BY	NA	
PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	NA	
RECOVERED (Triangulation Stations) BY	George W. Jamerson	11/75
LOCATED (Field Methods) BY		
IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION	NA	
TYPE OF INVESTIGATION		
<input type="checkbox"/> COMPLETE		
<input type="checkbox"/> SPECIFIC NAMES ONLY		
<input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	George W. Jamerson	11/75
CLARIFICATION OF DETAILS BY		
7. BOUNDARIES AND LIMITS	NA	
SURVEYED OR IDENTIFIED BY		

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

NOS 74 7366, 7368, 7369; 74C(C)802

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Data for objects verified in the field are listed under 8. below.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

3 Form 76-40

1 Field Edit Report

2 Field Edit Ozalids (1 Paper, 1 Film)

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00846  
RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete, pending Field Edit. (shoreline). Interior to be compiled later.	11/75	Class III Manuscript Superseded	11/24/75	9/03/75
Interior detail compiled. Field Edit applied. Compilation complete.	2/76	Class I Manuscript Superseded	6/07/76	
Final Review	5/77		5/26/77	

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		7/02/76	Landmarks for charts.
1		7/02/76	Landmarks for deletion.
1		7/02/76	Aids for charts.

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 7/02/76
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM 76-40 ~~NO. 38~~ SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

## IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

JOB CM-7415  
BALTIMORE HARBOR  
MARYLAND  
SHORELINE MAPPING  
SCALE 1:5,000  
& 1:10,000

## 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.  $76^{\circ} 25'$  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 pre-marking 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 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

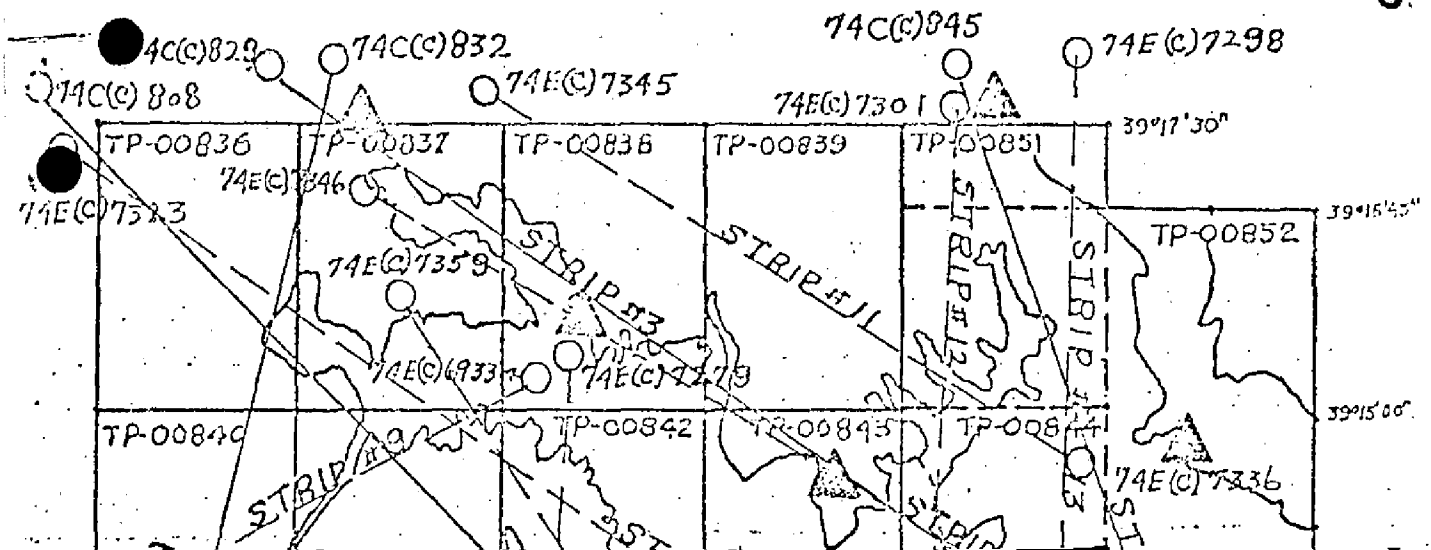
The photography was adequate as to coverage and overlap. Definition was poor due to haze at time of photography.

Approved and forwarded:

*John D. Perrow, Jr.*  
John D. Perrow, Jr.  
Chief, Aerotriangulation Section

Respectfully submitted,

*Ivey O. Raborn*  
Ivey O. Raborn



## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM		ORIGINATING ACTIVITY		REMARKS
					COORDINATES IN FEET STATE ZONE	NA 1927	Geographic Position φ LATITUDE λ LONGITUDE	AMC Coastal Mapping Div., Norfolk, VA	
TP-00846	CM-7415	BREWERTON CHANNEL FRONT RANGE LIGHT, 1869	G.P. Vol I P. 316		X=	φ 39 12 28.069	865.6	(984.7)	FORWARD BACK
					Y=	λ 76 31 58.545	1404.7	(34.9)	
		HAWKINS POINT, THE GLIDDEN COMPANY WATER TANK, 1957	G.P. Vol II P. 76		X=	φ 39 12 26.192	807.7	(1042.6)	
					Y=	λ 76 32 27.614	662.5	(777.1)	
		SWAN, 1934	G.P. Vol I P. 315		X=	φ 39 11 19.260	593.9	(1256.4)	
					Y=	λ 76 31 56.884	1365.2	(74.8)	
		BALTIMORE GAS AND ELECTRIC COMPANY, HERBERT A. WAGNER STATION, NORTH STACK, 1957	G.P. Vol II P. 66		X=	φ 39 10 42.055	1296.9	(553.4)	
					Y=	λ 76 31 39.861	956.8	(483.4)	
		HERBERT A. WAGNER STATION, BALTIMORE GAS AND ELECTRIC COMPANY, SOUTH STACK, 1958	G.P. Vol II P. 305		X=	φ 39 10 41.120	1268.1	(582.2)	
					Y=	λ 76 31 39.536	949.0	(491.2)	
		THOMAS 2, 1970	G.P. Vol II P. 608		X=	φ 39 12 28.897	891.1	(959.2)	
					Y=	λ 76 32 29.304	703.1	(736.5)	
					X=	φ			
					Y=	λ			
					X=	φ			
					Y=	λ			
					X=	φ			
					Y=	λ			
					X=	φ			
					Y=	λ			
COMPUTED BY	A. C. Bauck, Jr./J. D. Roderick	DATE	5/20/75	COMPUTATION CHECKED BY	F. Mauldin/F. P. Margiotta	DATE	5/27/75		
LISTED BY		DATE		LISTING CHECKED BY		DATE			
HAND PLOTTING BY		DATE		HAND PLOTTING CHECKED BY		DATE			

## COMPILATION REPORT

TP-00846

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter. Photo 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 the photographs.

36. OFFSHORE DETAILS:

No unusual problems.

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 June 28, 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, MARYLAND, scale 1:24,000, dated 1969.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the following National Ocean Survey Charts:

No. 12273, scale 1:80,000, 26th Edition, dated February 8, 1975

No. 12279, scale 1:40,000, 12th Edition, dated November 9, 1974

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:

*Joanne Roderick*  
Joanne Roderick  
Cartographer  
November 19, 1975

Approved:

*Albert C. Rauck, Jr.*  
Albert C. Rauck, Jr.  
Chief, Coastal Mapping Section, AMC

ADDENDUM TO THE COMPILATION REPORT

TP-00846

FIELD EDIT

This was an adequate job of field editing, with two exceptions. The field editor was unable to enter Cox Creek by boat on the day of the edit, so the area was not investigated. It was left as originally compiled. \*The field editor failed to identify a depression near the mean high water line and an indentation in the shoreline (39° 11' 14", 76° 31' 47"). The reviewer is requested to suggest an acceptable solution. All other questions asked were answered completely.

Back Cove was overlooked when the booth work was in progress, and was compiled graphically during application of field edit. Two shoreline pass points from Photo 74E(C)802 (TP-00849), along with several random points, were cut in on Manuscript TP-00846 to allow compilation. Shadows partially obscured the southwest edge of the cove, but the shoreline was compiled as accurately as possible under these circumstances. The sheet was reduced to a 1:10,000 scale in the vertical projector to make a junction with TP-00849 (to the south). The match was adequate, except for the Back Cove area which had been compiled on TP-00849 (1:10,000) with the Wild B-8. There was some discrepancy in the shoreline between the two sheets, but Mr. Rauck preferred the graphic compilation on TP-00846 because of the larger scale. He approved the shoreline in Back Cove as it is shown on TP-00846. Field edit was applied to Back Cove from Photo 74E(C)802.

Submitted by:

*Joanne Roderick*  
J. Roderick  
February 4, 1976

\* Resolved. This was satisfactorily handled by the compiler who applied field edit.

*Charles H. Bishop*  
Final Reviewer

February 28, 1977

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

CM-7415 (Baltimore, Md.)

TP-00846

Back Cove

Baltimore &amp; Ohio (RR)

Clear Water Beach

Cox Creek

Hawkins Point

Orchard Beach

Patapsco River

Riviera Beach

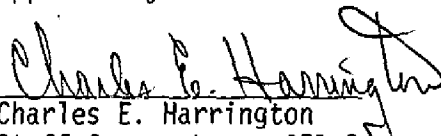
Stony Beach

Stony Creek

Stony Point

Swan Creek

Approved by:

  
Charles E. Harrington  
Staff Geographer - C51x2

## PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00846

1. PROJECTION AND GRIDS  JRM	2. TITLE  JRM	3. MANUSCRIPT NUMBERS  FPM	4. MANUSCRIPT SIZE  FPM
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY  FPM	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)  NA		7. PHOTO HYDRO STATIONS  NA
8. BENCH MARKS  NA	9. PLOTTING OF SEXTANT FIXES  NA	10. PHOTOGRAMMETRIC PLOT REPORT  FPM	11. DETAIL POINTS  FPM
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE  JRM	13. LOW-WATER LINE  JRM	14. ROCKS, SHOALS, ETC.  JRM	15. BRIDGES  JRM
16. AIDS TO NAVIGATION  FPM	17. LANDMARKS  FPM	18. OTHER ALONGSHORE PHYSICAL FEATURES  FPM	19. OTHER ALONGSHORE CULTURAL FEATURES  FPM
PHYSICAL FEATURES			
20. WATER FEATURES  FPM		21. NATURAL GROUND COVER  NA	22. PLANETABLE CONTOURS  NA
23. STEREOSCOPIC INSTRUMENT CONTOURS  NA	24. CONTOURS IN GENERAL  NA	25. SPOT ELEVATIONS  NA	26. OTHER PHYSICAL FEATURES  FPM
CULTURAL FEATURES			
27. ROADS  FPM	28. BUILDINGS  FPM	29. RAILROADS  FPM	30. OTHER CULTURAL FEATURES  FPM
BOUNDARIES			
31. BOUNDARY LINES  NA		32. PUBLIC LAND LINES  NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES  FPM		34. JUNCTIONS  FPM	35. LEGIBILITY OF THE MANUSCRIPT  FPM
36. DISCREPANCY OVERLAY  FPM	37. DESCRIPTIVE REPORT  FPM	38. FIELD INSPECTION PHOTOGRAPHS  NA	39. FORMS  FPM
40. REVIEWER <i>F. Margiotta</i> F. Margiotta		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER <i>J. D. Roderick</i> J. D. Roderick	2/02/76	SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
REVIEWER <i>F. Margiotta</i> F. Margiotta	2/09/76		
43. REMARKS <i>F. Margiotta</i>  See Forms 76-36C, History of Field Operation, Field Inspection and Field Edit, Item #8.			





FIELD EDIT REPORT

TP-00846

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 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 was adequate. There were no areas of great change on this sheet. Compilation will be complete with the application of field notes.

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

There are two landmarks on this sheet recommended for charting and two for deletion. See forms 76-40.

There are five non-floating aids on this sheet recommended for charting. See forms 76-40.



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

58. FIELD EDITOR

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

Respectfully submitted,

A handwritten signature in cursive script that reads "George W. Jamerson".

George W. Jamerson  
Lt. NOAA  
November 28, 1975

ORIGINATING ACTIVITY
<input type="checkbox"/> HYDROGRAPHIC PARTY
<input type="checkbox"/> GEODETIC PARTY
<input type="checkbox"/> PHOTO FIELD PARTY
<input checked="" type="checkbox"/> COMPILATION ACTIVITY
<input type="checkbox"/> FINAL REVIEW
<input type="checkbox"/> QUALITY CONTROL & REVIEW GRP.
<input type="checkbox"/> COAST PILOT BRANCH

(See reverse for responsible personnel)

UNIT <i>(Ship or Office)</i> Mapping Div.	STATE Maryland	LOCALITY Baltimore Harbor	DATE Jan. 1976
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[illegible]



Replaces C&amp;GS Form 567.

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

ORIGINATING ACTIVITY	
<input type="checkbox"/> HYDROGRAPHIC PARTY	<input type="checkbox"/> PHOTO FIELD PARTY
<input type="checkbox"/> GEODETIC PARTY	<input type="checkbox"/> COMPILATION ACTIVITY
<input type="checkbox"/> PHOTO FIELD PARTY	<input type="checkbox"/> FINAL REVIEWER
<input type="checkbox"/> QUALITY CONTROL & REVIEW GRP.	<input type="checkbox"/> COAST PILOT BRANCH

(See reverse for responsible personnel)

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. A.M.C. Norfolk, Va.	Maryland	Baltimore Harbor	Jan. 1976

The following objects HAVE ☒ BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.  
OPR PROJECT NO. 514 / JOB NUMBER CM-7415 SURVEY NUMBER TP-00846 DATUM N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION			METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED
		LATITUDE ° / ' D.M. Meters	LONGITUDE ° / ' D.P. Meters	DATUM	OFFICE	FIELD	
LIGHT	Brewerton Channel Range Front Light (Brewerton Channel Front Range Light, 1869)	39 12 28.069 865.6	76 31 58.545 1404.7		74E(C)7365 Oct. 21, 1974	Triang. Rec. Nov. 1975	12273 12278 12281
LIGHT	Stony Creek Entrance Light	39 10 24.39 752.1	76 31 03.08 74		74E(C)7368 Oct. 21, 1974	F-V-Vis. Nov. 1975	" " "
LIGHT	Herbert A. Wagner Generating Plant Channel Light 8	39 10 58.89 1816	76 31 01.42 34		" "	" "	" " "
MARKER		39 12 14.98 462	76 31 56.72 1361		74E(C)7365 Oct. 21, 1974	" "	" " "
MARKER LIGHTED		39 12 14.53 448	76 31 49.59 1190		" "	" "	" " "

## REVIEW REPORT

TP-00846

SHORELINE

May 9, 1977

61. GENERAL STATEMENT:

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

No comparison print was made for this map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A visual comparison was made with a copy of Survey T-5342, 1:10,000 scale, mapped from photographs taken in April and May 1934. New piers have been constructed at Hawkins Point. Fill has been added east of Swan Creek, which is now a pond. Several small piers have been added in Stony Creek. There are no significant shoreline changes from Cox Creek southeastward to the south limit of this map.

In the area compared, TP-00846 supersedes T-5342 for nautical chart construction purposes. T-5342 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. The large lagoon indicated on the quadrangle at Lat.  $39^{\circ} 11.7'$ , Long.  $76^{\circ} 32.0'$  is now closed off. No other significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

North of Lat.  $39^{\circ} 11'$ , a comparison was made with a copy of the verified smooth sheet for Survey H-9582 (AHP 5-10-75). The ruins at the north edge of the map at Long.  $76^{\circ} 32' 00''$  is visible on the photographs and is correctly mapped on TP-00846. No ruins are visible at the position indicated on H-9582. No piles are visible on the photographs where several are indicated on H-9582 between Lat.  $39^{\circ} 11' 15''$  to Lat.  $39^{\circ} 12' 00''$ .

South of Lat.  $39^{\circ} 11'$ , a comparison was made with the boatsheet for Survey H-9562 (AHP 10-5-75). The rocks on TP-00846 at Lat.  $39^{\circ} 10' 20''$ , Long.  $76^{\circ} 30' 52''$  are those visible on Photographs 74E(C)7368 and 7369 and observed by the field editor. There are no rocks visible on the photographs at the positions indicated on H-9362 boatsheet.

65. COMPARISON WITH NAUTICAL CHARTS:

North of Lat.  $39^{\circ} 11' 25''$ , a visual comparison was made with Chart 12281 (545), 1:15,000 scale, 31st Edition, dated November 13, 1976.

No wreck is visible on the photographs or was observed by the field editor at Lat.  $39^{\circ} 12' 19''$ , Long.  $76^{\circ} 32' 13''$ .

The piers south of Swan Creek are in ruins.

South of Lat.  $39^{\circ} 11' 25''$ , a visual comparison was made with Chart 12278 (549), 1:40,000 scale, 43rd Edition, dated April 3, 1976. No significant differences were noted.

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 H. Bishop*

Charles H. Bishop  
Cartographer  
May 9, 1977

Approved for forwarding:

*Joseph W. Vonasek*  
Joseph W. Vonasek  
Chief, Photogrammetric Branch, AMC

Approved:

*[Signature]*  
Chief, Photogrammetric Branch

*[Signature]*  
Chief, Coastal Mapping 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

[illegible]