

ORIGINAL

TP-00843

TP-00843

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-00843...

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

Field Edited Map

### LOCALITY

State ..... Maryland .....

General Locality ..... Baltimore Harbor .....

Locality ..... Sollers Point .....

1974 TO 1975

### REGISTRY IN ARCHIVES

DATE .....

<b>NOAA FORM 76-36A</b> (3-72)		<b>U. S. DEPARTMENT OF COMMERCE</b> 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>00843</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>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 <u>PH-</u> MAP CLASS <u></u> SURVEY DATES: 19 <u></u> TO 19 <u></u>	
<b>I. INSTRUCTIONS DATED</b>			
<b>1. OFFICE</b>		<b>2. FIELD</b>	
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 <u>Maryland</u> ZONE <u></u>	
5. SCALE 1:5,000		STATE <u></u> ZONE <u></u>	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
<b>OPERATIONS</b>		<b>NAME</b>	<b>DATE</b>
1. AEROTRIANGULATION METHOD: <u>Analytic</u>		BY <u>I. Rayborn</u>	<u>1/75</u>
2. CONTROL AND BRIDGE POINTS METHOD: <u>Calcomp</u>		PLOTTED BY <u>R. Robertson</u> CHECKED BY <u>R. Robertson</u>	<u>4/75</u> <u>4/75</u>
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: <u>Wild B-8</u> SCALE: <u>1:7,500</u>		PLANIMETRY BY <u>J. D. Roderick</u> CHECKED BY <u>L. O. Neterer, Jr.</u> CONTOURS BY <u>NA</u> CHECKED BY <u>NA</u>	<u>9/75</u> <u>9/75</u>  
4. MANUSCRIPT DELINEATION METHOD: <u>Smooth Drafted</u> SCALE: <u>1:5,000</u>		PLANIMETRY BY <u>F. Mauldin</u> CHECKED BY <u>F. Margiotta (Partial)</u> CONTOURS BY <u>NA</u> CHECKED BY <u>NA</u> HYDRO SUPPORT DATA BY <u>NA</u> CHECKED BY <u>NA</u>	<u>11/75</u> <u>11/75</u>  
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		BY <u>F. Margiotta (Partial)</u>	<u>11/75</u>
6. APPLICATION OF FIELD EDIT DATA		BY <u>F. Mauldin</u> CHECKED BY <u>A. L. Shands</u>	<u>1/76</u> <u>2/76</u>
7. COMPILATION SECTION REVIEW		BY <u>A. L. Shands</u>	<u>2/76</u>
8. FINAL REVIEW		BY <u>C. H. Bishop</u>	<u>4/77</u>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY <u>C. H. Bishop</u>	<u>5/77</u>
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY <u>J. B. Phillips</u>	<u>6/77</u>
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY <u>R. T. Cator</u>	<u>1/77</u>

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

TP-00843

## 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		X (C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES Fort McHenry				Eastern	
<input type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				75th	
				<input checked="" type="checkbox"/> STANDARD	
				<input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
*74E(C)7352 - 7355	10/21/74	11:33	1:15,000	0.8 ft. above MLW	
**74C(C)825	10/05/74	11:05	1:30,000	0.8 ft. above MLW	
*74E(C)7333 - 7334	10/21/74	11:13	1:15,000	0.9 ft. above MLW	

## REMARKS

\*Compilation photography  
 \*\*Bridge photography

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

line  
 The mean high water<sub>A</sub> 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-00839	TP-00844	TP-00846 TP-00849 (1:10,000)	TP-00842

## REMARKS

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

TP-00843

## 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	RECOVERED BY R. S. Tibbetts	9/74
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R. S. Tibbetts	
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE BY	
	<input type="checkbox"/> SPECIFIC NAMES ONLY	
	<input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
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)6812	BALTIMORE GENERAL AVIATION TANK 1934		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None, except tank listed in 1. above.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

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

1 Form 152 (CSI)

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00843  
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	George W. Jamerson	9/18/75
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	George W. Jamerson	11/75
RECOVERED (Triangulation Stations) BY	NA	
LOCATED (Field Methods) BY	NA	
IDENTIFIED BY	NA	
5. GEOGRAPHIC NAMES INVESTIGATION	George W. Jamerson	11/75
TYPE OF INVESTIGATION		
<input type="checkbox"/> COMPLETE		
<input type="checkbox"/> SPECIFIC NAMES ONLY		
<input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	George S. Jamerson	11/75
CLARIFICATION OF DETAILS BY		
7. BOUNDARIES AND LIMITS		
SURVEYED OR IDENTIFIED BY		

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None		None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

## 3. PHOTO NUMBERS (Clarification of details)

NOS Oct. 74 7333, 7334, 7353, 7354, 7355 and from TP-00844 7307 and 7309

## 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)

4 Forms 526	2 Field Edit Ozalids (1 film, 1 paper)
1 Field Edit Report	5 Form 76-40

NOAA FORM 76-36C  
(3-72)

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00843  
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.	11/75	Class III Manuscript Superseded	11/24/75	11/13/75
Field edit applied.	1/76	Class I Manuscript Superseded	6/07/76	
Final Review	4/77		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.
3		7/02/76	Aids for charts.
1		7/02/76	Aids for deletion.

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 2, 1976
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

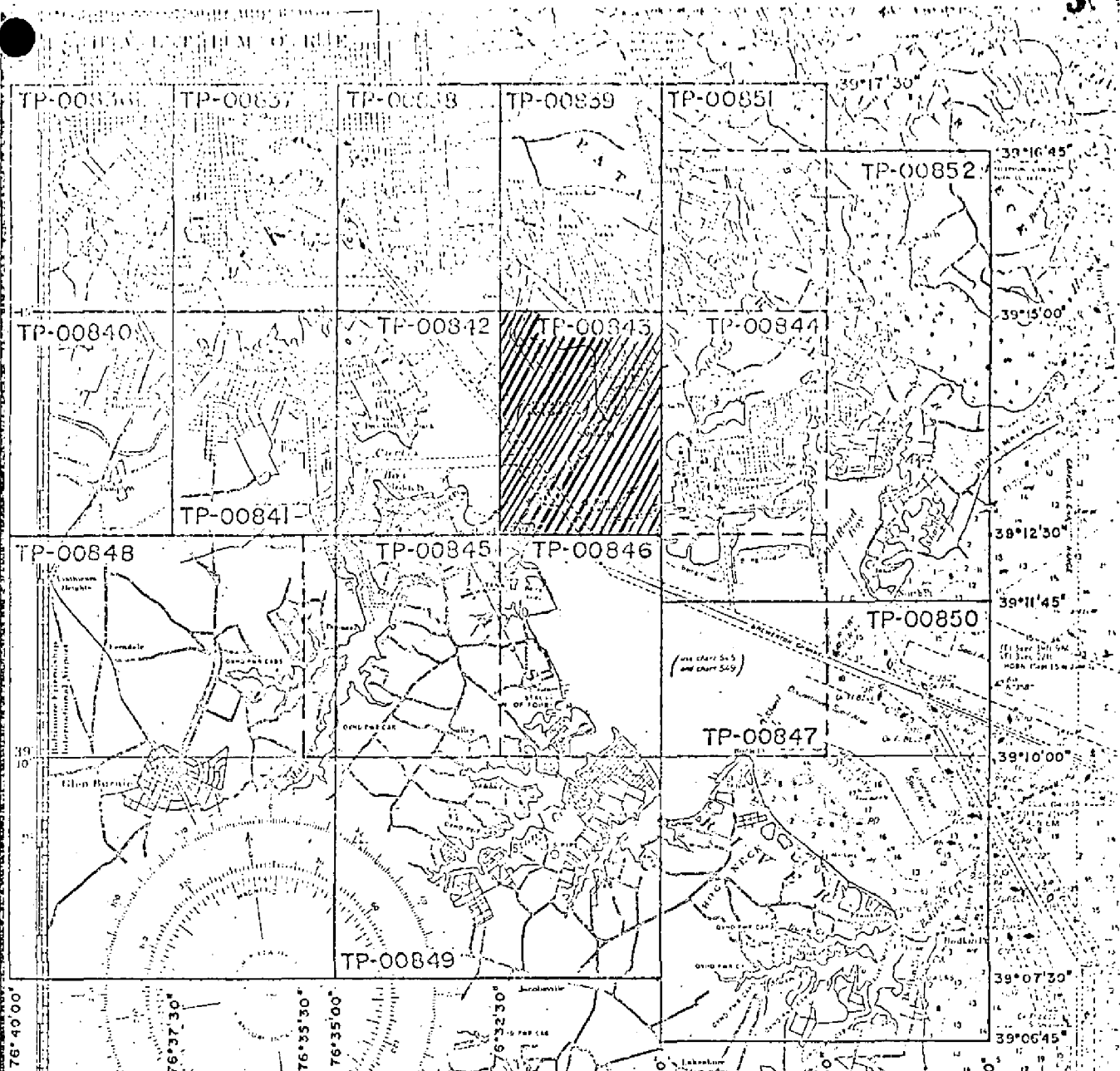
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS <sup>76-40</sup> ~~56~~ 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	



Official Mileage for Cost Accounts

Sheet No.	Sq. Miles
TP-00836	1
TP-00837	4
TP-00838	2
TP-00839	1
TP-00840	2
TP-00841	2
TP-00842	4
TP-00843	2
TP-00844	3
TP-00845	4
TP-00846	2
TP-00847	1
TP-00848	3
TP-00849	9
TP-00850	6
TP-00851	1
TP-00852	11

TOTAL 59

**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.



7

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

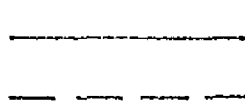
The photography was adequate as to coverage and overlap. Definition was poor due to haze at time of photography.

Approved and forwarded:

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

Respectfully submitted,

*Ivey O. Raborn*  
Ivey O. Raborn



BRIDGING PHOTOGRAPHY  
COMPILED PHOTOGRAPHY

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	TP-00843	CM-7415	GEODETIC DATUM		NA	1927	ORIGINATING ACTIVITY		AMC
				STATE	ZONE			Coastal Mapping Div., Norfolk, VA		
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS			
			STATE	ZONE	$\phi$ LATITUDE	$\lambda$ LONGITUDE	FORWARD	BACK		
BALTIMORE, GENERAL AVIATION TANK, 1934	G.P. Vol I P. 315		X=		$\phi$	39 14 36.068	1112.3	(738.0)		
			Y=		$\lambda$	76 30 51.286	1229.9	(209.0)		
SOLLERS, CONSOLIDATED GAS, ELECTRIC LIGHT AND POWER COMPANY STACK, 1952	G.P. Vol I P. 685		X=		$\phi$	39 14 15.855	488.9	(1361.4)		
			Y=		$\lambda$	76 30 59.999	1439.0	(0.0)		
FORT CARROLL LIGHTHOUSE, 1915	G.P. Vol I P. 316		X=		$\phi$	39 12 51.952	1602.1	(248.2)		
			Y=		$\lambda$	76 31 12.709	304.9	(1134.5)		
			X=		$\phi$					
			Y=		$\lambda$					
			X=		$\phi$					
			Y=		$\lambda$					
			X=		$\phi$					
			Y=		$\lambda$					
			X=		$\phi$					
			Y=		$\lambda$					
			X=		$\phi$					
			Y=		$\lambda$					
			X=		$\phi$					
			Y=		$\lambda$					
			X=		$\phi$					
			Y=		$\lambda$					
			X=		$\phi$					
			Y=		$\lambda$					
COMPUTED BY	A. C. Rauck, Jr.	DATE	5/20/75	COMPUTATION CHECKED BY	F. Mauldin	DATE	5/27/75			
LISTED BY		DATE		LISTING CHECKED BY		DATE				
HAND PLOTTING BY		DATE		HAND PLOTTING CHECKED BY		DATE				

## COMPILATION REPORT

TP-00843

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:15,000 scale color photography. Photography 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 the photographs.

36. OFFSHORE DETAILS:

No unusual problems, except that there were several offshore wrecks which were not visible.

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 was made with the following USGS Quadrangle: CURTIS BAY, MD., scale 1:24,000, dated 1969.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was 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*

Fay T. Mauldin  
Cartographer  
November 10, 1975

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00843

FIELD EDIT

Field edit was adequate.

February 28, 1977

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

CM-7415 (Baltimore, Md.)

TP-00843

Bear Creek

Bullneck Creek

Clement Cove

Coffin Point

Dundalk

Fort Carroll

Hawkins Point

Lovel Point

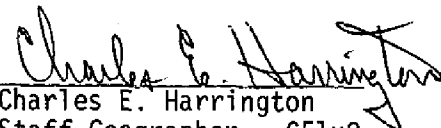
Patapsco River

Peachorchard Cove

Pennsylvania Central (RR)

Sollers Point

Approved by:

  
Charles E. Harrington  
Staff Geographer - C51x2

NOAA FORM 75-74 (2-74)		TP-00843 <del>XX10368X</del>		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW					
1. PROJECTION AND GRIDS FPM		2. TITLE FPM		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 XX		10. PHOTOGRAMMETRIC PLOT REPORT FPM	
11. DETAIL POINTS FPM					
ALONGSHORE AREAS (Nautical Chart Data)					
12. SHORELINE FPM		13. LOW-WATER LINE XX		14. ROCKS, SHOALS, ETC. FPM	
15. BRIDGES FPM		16. AIDS TO NAVIGATION FPM		17. LANDMARKS FPM	
18. OTHER ALONGSHORE PHYSICAL FEATURES FPM		19. OTHER ALONGSHORE CULTURAL FEATURES FPM		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 FTM		28. BUILDINGS FTM		29. RAILROADS FPM	
30. OTHER CULTURAL FEATURES FPM					
BOUNDARIES					
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA			
MISCELLANEOUS					
33. GEOGRAPHIC NAMES FTM		34. JUNCTIONS Junction made with TP-00839, TP-00844, TP-00842		35. LEGIBILITY OF THE MANUSCRIPT FPM	
36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT FPM		38. FIELD INSPECTION PHOTOGRAPHS XX	
39. FORMS FPM					
40. REVIEWER F. Margotta (Partial Review) 11/75		SUPERVISOR, REVIEW SECTION OR UNIT 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 Fay T. Mauldin 7/1/76		SUPERVISOR Albert C. Rauck, Jr.			
Reviewer A. L. Shands 2/11/76		Albert C. Rauck, Jr.			
43. REMARKS  See Forms 76-36C, History of Field Operation - Field Inspection and Field Edit - Item 8.					





FIELD EDIT REPORT

TP-00843

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 corrections and in green ink for deletions.

Searches by boat for reported features below 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 was adequate. There was only one area of major change on this sheet. This was an area of fill located at approximate latitude  $39^{\circ}14'30''$ , longitude  $76^{\circ}31'15''$ . The new shoreline is delineated on the film ozalid or manuscript. Many pilings were deleted in the area of bridge construction between Hawkins Point and Sollers Point as they were either removed or were mooring buoys used in construction. Other than this area, very little change was noted. All questions are answered on the field edit ozalid. Compilation will be complete with the application of field edit data.

56. GEOGRAPHIC NAMES

One question pertaining to geographic names is answered on the field edit ozalid.

57. LANDMARKS AND AIDS TO NAVIGATION

There are four landmarks on this sheet recommended for charting.



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

There are twenty-three non-floating aids to navigation on this sheet recommended for charting.

58. FIELD EDITOR

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

Respectfully submitted,

*George W. Jamerson*

George W. Jamerson  
Lt. NOAA  
November, 1975

NOAA FORM 76-40  
(8-74)

Replaces C&GS Form 567.

# NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION LANDMARKS FOR CHARTS

U.S. DEPARTMENT OF COMMERCE

## ORIGINATING ACTIVITY

- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

REPORTING UNIT  
(Field Party, Ship or Office)

Coastal Mapping Div.

STATE

Maryland

LOCALITY

Baltimore Harbor

DATE

Dec. 1975

CHARTING NAME

514

OPR PROJECT NO.

CM-7415

SURVEY NUMBER

TP-00843

The following objects HAVE ☒ BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.

DATUM

N.A. 1927

POSITION

LATITUDE

LONGITUDE

D.M. Meters

D.P. Meters

CHARTING NAME

DESCRIPTION

(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)

TANK

Dundalk Marine Terminal Tank

Ht.=156(170)

STACK

Southerly of five.

ht.=227(237)

ABANDONED LIGHT HOUSE

(Fort Carroll Lighthouse, 1915)

TANK

(Baltimore General Aviation Tank, 1934)

Ht.=110(130)

OFFICE

FIELD

CHARTS AFFECTED

12273

12278

12281

Nov. 1975

Triang. Rec. Nov. 1975

74E(C)7353

74E(C)7354

74E(C)7333

74E(C)7354

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

Oct. 21, 1974

NOAA FORM 76-40  
(8-74)

Replaces C&GS Form 567.

# NONFLOATING AIDS TO NAVIGATION FOR CHARTS

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

ORIGINATING ACTIVITY  
☐ HYDROGRAPHIC PARTY  
☐ GEODETIC PARTY  
☐ PHOTO FIELD PARTY  
☒ COMPILATION ACTIVITY  
☐ FINAL REVIEWER  
☐ QUALITY CONTROL & REVIEW GRP.  
☐ COAST PILOT BRANCH  
(See reverse for responsible personnel)

<input type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		REPORTING UNIT (If field party, ship or office) Coastal Mapping Div. A.M.C. Norfolk, Va.	STATE Maryland	LOCALITY Baltimore Harbor	DATE Dec. 1975	
The following objects HAVE <input checked="" type="checkbox"/> BEEN INSPECTED from seaward to determine their value as landmarks.						
OPR PROJECT NO. 514	JOB NUMBER CM-7415	SURVEY NUMBER TP-00843	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	OFFICE	FIELD	
LIGHT	Dundalk West Channel Range Front Light	39 14	76 32	18.93 454	74E(C)7353 Oct. 21, 1974	12273 12279 12281
LIGHT	Dundalk West Channel Range Rear Light	39 14	76 32	17.18 412	" "	" "
LIGHT	Dundalk Northwest Bulkhead Light	39 14	76 32	20.52 492	" "	" "
LIGHT	Dundalk Terminal Southwest Platform Light	39 14	76 32	10.63 255	" "	" "
LIGHT	Dundalk Southeast Platform Light	39 14	76 32	09.67 232	" "	" "
LIGHT	Dundalk Terminal Southeast Bulkhead Light	39 14	76 31	59.75 1433	" "	" "
LIGHT	Dundalk East Channel Range Front Light	39 14	76 31	39.99 959	" "	" "
LIGHT	Dundalk East Channel Range Rear Light	39 14	76 31	34.65 831	" "	" "
LIGHT	Sollers Point Mooring Light	39 14	76 31	29.27 702	74E(C)7354 Oct. 21, 1974	" "
LIGHT	Sparrow Point Drydock Light P3	39 12	76 30	05.04 121	74E(C)7308 Oct. 21, 1974	" "

F T O

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION											
NONFLOATING AIDS <del>SEE INSTRUCTIONS</del> FOR CHARTS										ORIGINATING ACTIVITY											
REPORTING UNIT (If field party, ship or office) Coastal Mapping Div. A.M.C. Norfolk, Va.										<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 REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)											
TO BE CHARTED <input checked="" type="checkbox"/>		TO BE REVISED <input type="checkbox"/>		TO BE DELETED <input type="checkbox"/>		STATE		LOCALITY		DATE											
514		CM-7415		TP-00843		Maryland		Baltimore Harbor		Dec. 1975											
OPR PROJECT NO.		JOB NUMBER		SURVEY NUMBER		DATUM		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED											
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)		LATITUDE		LONGITUDE		OFFICE		FIELD											
				D.M. Meters		D.P. Meters															
LIGHT	Sparrow Point Drydock Light Ph.	39 12	46.66	76 30	104.67	112	74E(C)7308	Oct. 21, 1974	P-5-L 74E(C)7309 Nov. 1975	12273 12275 12281											
LIGHT	Hawkins Point Pier Light A.	39 12	52.69	76 32	16.12	394	74E(C)7333	Oct. 21, 1974	F-V-Vis. Nov. 1975	"											
LIGHT	" " " " B	39 12	53.38	76 32	17.17		"	"	"	"											
LIGHT	" " " " C	39 12	51.40	76 32	18.59		"	"	"	"											
LIGHT	" " " " D	39 12	52.05	76 32	19.25		"	"	"	"											
LIGHT	" " " " E	39 12	49.94	76 32	20.79		"	"	"	"											
LIGHT	" " " " F	39 12	50.42	76 32	21.75		"	"	"	"											
LIGHT	" " " " G	39 12	48.54	76 32	23.01		"	"	"	"											
LIGHT	" " " " H	39 12	49.23	76 32	23.71		"	"	"	"											
LIGHT *	Fort McHenry Channel Bridge Light (North)	39 13	08.59	76 31	41.77	1002	"	"	"	"											

\* Not in 1976 Light List. F T m

Replaces C&amp;GS Form 367.

## NONFLOATING AIDS TO NAVIGATION FOR CHARTS

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

## ORIGINATING ACTIVITY

- ☐ HYDROGRAPHIC PARTY  
☐ GEODETIC PARTY  
☐ PHOTO FIELD PARTY  
☒ COMPILATION ACTIVITY  
☐ FINAL REVIEWER  
☐ QUALITY CONTROL & REVIEW GRP.  
☐ COAST PILOT BRANCH  
(See reverse for responsible personnel)

- ☒ TO BE CHARTED  
☐ TO BE REVISED  
☐ TO BE DELETED

REPORTING UNIT  
(Field Party, Ship or Office)Coastal Mapping Div.,  
A.M.C. Norfolk, Va.

STATE

Maryland

LOCALITY

Baltimore Harbor

DATE

Dec. 1975

The following objects HAVE ☒ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.

514

JOB NUMBER

CM-7415

SURVEY NUMBER

TP-00843

DATUM

N.A. 1927

## POSITION

DESCRIPTION  
(Record reason for deletion of landmark or aid to navigation.  
Show triangulation station names, where applicable, in parentheses)CHARTING  
NAME

LIGHT \*

Fort McHenry Channel Bridge Light  
(East)

39 13

02.01  
62

76 31

34.81  
83574E(C)7333  
Oct. 21, 1974F-V-Vis.  
Nov. 197512273  
12279  
12281

LIGHT \*

Fort McHenry Channel Bridge Light  
(South)

39 12

54.15  
1670

76 31

45.06  
1081

""

""

""

""

""

""

LIGHT \*

Fort McHenry Channel Bridge Light  
(West)

39 13

00.75  
23

76 31

52.02  
1248

""

""

""

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""

""

\*Not in 1976 Light List.

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NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
NONFLOATING AIDS OR LANDMARKS FOR CHARTS										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 REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)									
TO BE CHARTED		REPORTING UNIT (If field party, ship or office)		STATE		LOCALITY		DATE		METHOD AND DATE OF LOCATION (See instructions on reverse side)									
TO BE REVISED		Coastal Mapping Div.		Maryland		Baltimore Harbor		Dec. 1975											
TO BE DELETED		A.M.C. Norfolk, Va.																	
The following objects HAVE <input checked="" type="checkbox"/> HAVE NOT <input type="checkbox"/> been inspected from seaward to determine their value as landmarks.																			
OPR PROJECT NO.		JOB NUMBER		SURVEY NUMBER		DATUM		POSITION		CHARTS AFFECTED									
514 ✓		CM-7415 ✓		TP-00843 ✓		N.A. 1927													
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)		LATITUDE		LONGITUDE		FIELD											
				° / ' " D.M. Meters		° / ' " D.P. Meters													
LIGHT ✓		Sollers Point Tunnel Light C Light destroyed.		39 13.3		76 31.3			P-V-Vis. Nov. 1975 ✓	12273 12279 12281									
LIGHT ✓		Sollers Point Tunnel Light D Light destroyed.		39 13.4		76 31.5			" "	" "									
LIGHT ✓		Hawkins Point Tunnel Light A Light destroyed.		39 12.9		76 32.0			" "	" "									
LIGHT ✓		Hawkins Point Tunnel Light B Light Destroyed.		39 12.8		76 31.9			" "	" "									

✓ FTM

## REVIEW REPORT

TP-00843

## SHORELINE

April 29, 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 T-5421, 1:10,000 scale, mapped from photos of November 1933. The shoreline on this map has changed greatly since 1933, due largely to the buildup of industry.

The Hawkins Point area was compared with a copy of T-5342, 1:10,000 scale, mapped from photos of April and May 1934. Shoreline in this area has also changed greatly.

In the area compared, TP-00843 supersedes T-5342 and T-5421 for nautical chart construction purposes. T-5342 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 CURTIS BAY, MD., 1:24,000 scale, dated 1969. Much of the shoreline in the area of the quadrangle compared with TP-00843 is obsolete because of fill and road construction. The pier at Sollers Point is now in ruin.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:H-9564 (AHP 5-7-75) Boatsheet

Submerged pile at Lat.  $39^{\circ} 14' 27.5''$ , Long.  $76^{\circ} 31' 03''$  is not visible on the photographs. ✓

Ruins at Lat.  $39^{\circ} 14' 10''$ , Long.  $76^{\circ} 31' 12.5''$  can not be changed photogrammetrically to agree with hydro position at north end. ✓

Pier ruins at Lat.  $39^{\circ} 14' 10''$ , Long.  $76^{\circ} 30' 53''$  to Long.  $76^{\circ} 31' 00''$  is in conflict with soundings. This position of the ruins is strong photogrammetrically and can not be changed. ✓



H-9643 HSB 5-1-76) Boatsheet

Lat.  $39^{\circ} 13' 54''$ , Long.  $76^{\circ} 30' 02''$ : Files on H-9643 are shown more correctly in position on TP-00843. ✓

Lat.  $39^{\circ} 14' 11''$ , Long.  $76^{\circ} 30' 03''$ : Wreck on H-9643 is from Class III Manuscript. It was deleted by the Field Editor.

Lat.  $39^{\circ} 14' 30''$ , Long.  $76^{\circ} 30' 07.5''$ : Wreck on H-9643 is probably shown on wrong side of pier. A wreck visible on the photographs was shown by the Field Editor on the other side of the pier.

Lat.  $39^{\circ} 15' 00''$ , Long.  $76^{\circ} 30' 14''$ : New pier on Boatsheet H-9643 not visible on photographs.

H-9582 (AHP 5-10-75) Copy of Verified Smooth Sheet

No significant difference.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 12281 (545), 1:15,000 scale, 31st Edition, dated November 13, 1976.

Lat.  $39^{\circ} 14' 47''$ , Long.  $76^{\circ} 30' 20''$ : Charted wreck has been removed. ✓

Lat.  $39^{\circ} 14' 30''$ , Long.  $76^{\circ} 30' 07''$ : Charted piers are not shown on the chart as they are on TP-00843. ✓

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer  
April 29, 1977

Approved for forwarding:

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

Approved:

*John R. Long*  
Chief, Photogrammetric Branch

*James C. Bishop*  
Chief, Coastal Mapping Division

