

TP-00847 ORIGINAL

TP-00847

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-00847
Classification No. ....	Edition No. ...1
Field Edited Map	
LOCALITY	
State .....	Maryland
General Locality .....	Baltimore Harbor
Locality .....	White Rocks
1974 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>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">           TYPE OF SURVEY  <input checked="" type="checkbox"/> ORIGINAL  <input type="checkbox"/> RESURVEY  <input type="checkbox"/> REVISED         </td> <td style="width: 50%;">           SURVEY TP. <u>00847</u>             MAP EDITION NO. <u>(1)</u>             MAP CLASS <u>Final</u>             JOB <u>PH. CM-7415</u> </td> </tr> </table>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00847</u>  MAP EDITION NO. <u>(1)</u>  MAP CLASS <u>Final</u>  JOB <u>PH. CM-7415</u>		
TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00847</u>  MAP EDITION NO. <u>(1)</u>  MAP CLASS <u>Final</u>  JOB <u>PH. CM-7415</u>						
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> <b>LAST PRECEDING MAP EDITION</b> </td> </tr> <tr> <td style="width: 50%;">           TYPE OF SURVEY  <input type="checkbox"/> ORIGINAL  <input type="checkbox"/> RESURVEY  <input type="checkbox"/> REVISED         </td> <td style="width: 50%;">           JOB <u>PH.</u>            MAP CLASS _____            SURVEY DATES:            19__ TO 19__         </td> </tr> </table>		<b>LAST PRECEDING MAP EDITION</b>		TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB <u>PH.</u> MAP CLASS _____ SURVEY DATES: 19__ TO 19__
<b>LAST PRECEDING MAP EDITION</b>							
TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB <u>PH.</u> MAP CLASS _____ SURVEY DATES: 19__ TO 19__						
<b>I. INSTRUCTIONS DATED</b>							
<b>1. OFFICE</b>		<b>2. FIELD</b>					
Aerotriangulation Compilation		<div style="display: flex; justify-content: space-between;"> <span>2/07/75</span> <span>3/12/75</span> </div> <div style="text-align: center; margin-top: 20px;"> <i>August 16, 1974</i> </div>					
<b>II. DATUMS</b>							
<b>1. HORIZONTAL:</b>		<b>OTHER (Specify)</b>					
<b>2. VERTICAL:</b>		<b>OTHER (Specify)</b>					
<b>3. MAP PROJECTION</b>		<b>4. GRID(S)</b>					
Polyconic		STATE <u>Maryland</u> ZONE _____					
<b>5. SCALE</b>		STATE _____ ZONE _____					
1:5,000							
<b>III. HISTORY OF OFFICE OPERATIONS</b>							
<b>OPERATIONS</b>		<b>NAME</b>	<b>DATE</b>				
<b>1. AEROTRIANGULATION</b> METHOD: <u>Analytic</u>		I. Rayborn	4/75				
<b>2. CONTROL AND BRIDGE POINTS</b> METHOD: <u>Calcomp</u>		R. Robertson	4/75				
<b>3. STEREOSCOPIC INSTRUMENT</b> COMPILATION INSTRUMENT: <u>Wild B-8</u> SCALE: <u>1:7,500</u>		L. Neterer, Jr.	8/75				
<b>4. MANUSCRIPT DELINEATION</b> METHOD: <u>Smooth Drafted</u> SCALE: <u>1:5,000</u>		J. R. Minton	9/75				
		L. Neterer, Jr.	10/75				
		NA					
		NA					
		NA					
		NA					
		NA					
		NA					
<b>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</b>		L. Neterer, Jr.	10/75				
<b>6. APPLICATION OF FIELD EDIT DATA</b>		Charles Parker	2/76				
<b>7. COMPILATION SECTION REVIEW</b>		A. L. Shands	2/76				
<b>8. FINAL REVIEW</b>		A. L. Shands	2/76				
<b>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</b>		C. H. Bishop	5/77				
<b>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</b>		C. H. Bishop	5/77				
<b>11. MAP REGISTERED - COASTAL SURVEY SECTION</b>		J. B. Phillips	6/77				
		R. T. Cator	7/77				

NOAA FORM 76-368  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00847  
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 North point				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)7376 and 7377*	10/21/74	11:55	1:15,000	0.8 ft. above MLW
74E(C)7309*	10/21/74	11:13	1:15,000	0.9 ft. above MLW
74E(C)7290*	10/21/74	10:54	1:15,000	0.9 ft. above MLW

## REMARKS

\*Compilation 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-00844	TP-00852 TP-00850 (both 1:10,000)	TP-00850 (1:10,000)	TP-00846 TP-00849 (1:10,000)

## REMARKS

This manuscript covers parts of TP-00850 and TP-00852, both at 1:10,000 scale.

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

TP-00847

## 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	None
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	None
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 <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

None

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

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)

None

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00847  
HISTORY OF FIELD OPERATIONS

I. <input type="checkbox"/> FIELD INSPECTION OPERATION				<input checked="" type="checkbox"/> FIELD EDIT OPERATION			
OPERATION		NAME		DATE			
1. CHIEF OF FIELD PARTY		G. W. Jamerson		9/18/75			
2. HORIZONTAL CONTROL		RECOVERED BY		G. W. Jamerson		9/75	
		ESTABLISHED BY		NA			
		PRE-MARKED OR IDENTIFIED BY		NA			
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		G. W. Jamerson		10/75	
		LOCATED (Field Methods) BY		NA			
		IDENTIFIED BY		NA			
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		G. W. Jamerson		10/75	
7. BOUNDARIES AND LIMITS		SURVEYED OR IDENTIFIED BY		G. W. Jamerson		10/75 & 11/75	
G. W. Jamerson						10/75	
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 21 Oct 74E(C)7290, 7309, 7336							
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: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE				6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> 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 76-40							
1 Field Edit Ozalid							

NOAA FORM 76-36C  
(3-72)

TP-00847  
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	10/23/75
Field edit applied.	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	Aids for charts.
1		7/02/76	Aids for deletion.

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 2, 19763. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

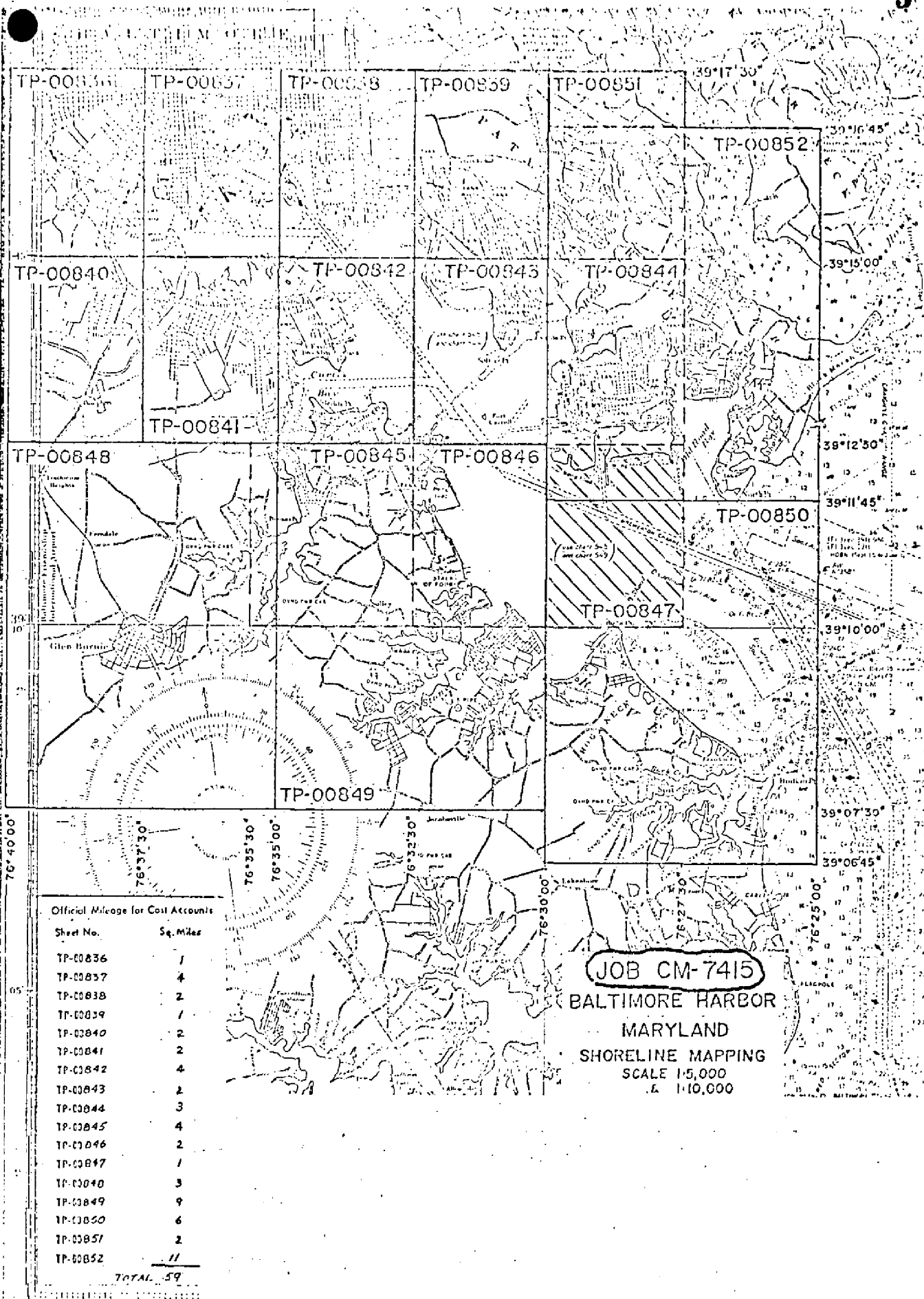
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM ~~76-36D~~ <sup>76-40</sup> 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	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	



## 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.



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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.

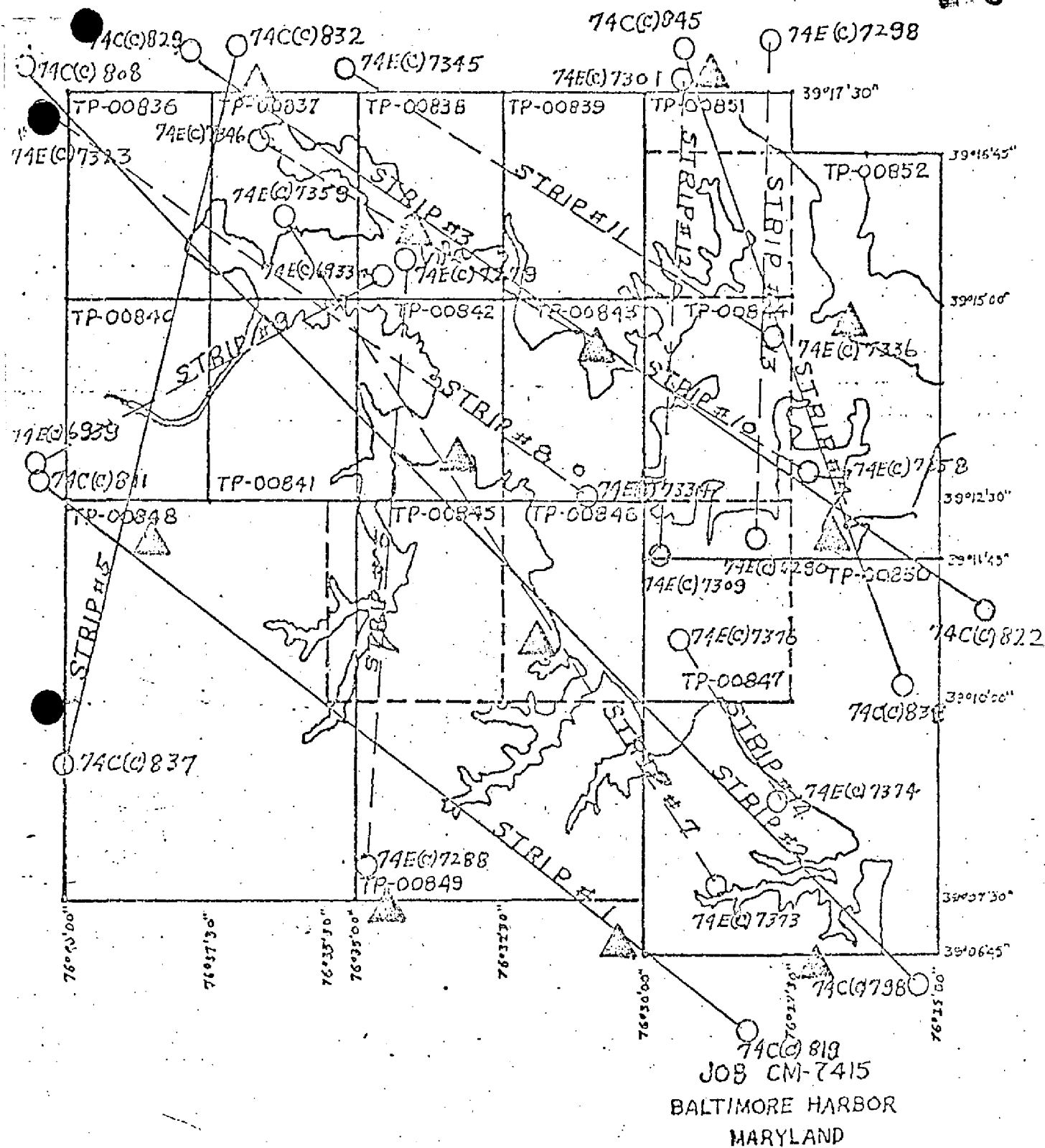
Approved and forwarded:

*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.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM		ORIGINATING ACTIVITY	REMARKS	
				TP-00847	CM-7415			
STATION NAME				COORDINATES IN FEET	GEOGRAPHIC POSITION		FORWARD	BACK
				STATE	NA 1927	$\phi$ LATITUDE		
				ZONE		$\lambda$ LONGITUDE		
WHITE ROCKS LIGHT, 1961		G.P. Vol II P. 445		X=		$\phi$ 39 10 25.228	778.0	(1072.3)
				Y=		$\lambda$ 76 29 17.954	431.0	(1009.3)
				X=		$\phi$		
				Y=		$\lambda$		
				X=		$\phi$		
				Y=		$\lambda$		
				X=		$\phi$		
				Y=		$\lambda$		
				X=		$\phi$		
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				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-00847

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, except White Rocks and the north tip of Rock Point, which were compiled graphically, using 1:15,000 color "E" photography.

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:

Because of the excessive water area coverage of compilation photography, it was necessary to delineate the White Rocks area graphically. The quality and coverage of the photography was adequate.

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: SPARROWS POINT, MD., scale 1:24,000, dated 1969.

47. COMPARISON WITH NAUTICAL CHARTS:

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

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:

*J. R. Minton*

J. R. Minton  
Cartographic Technician  
October 1, 1975

Approved:

*Albert C. Rauck, Jr.*

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

ADDENDUM TO THE COMPILATION REPORT

TP-00847

FIELD EDIT

Field edit introduced on matte ratios has been applied to this manuscript and established as adequate. Deletions, corrections, and additions have been made.

*Albert C. Rauck, Jr. For*  
Charles Parker  
February 25, 1976

February 28, 1977

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

CM-7415 (Baltimore, Md.)

TP-00847

Baltimore &amp; Ohio (RR)

Old Road Bay

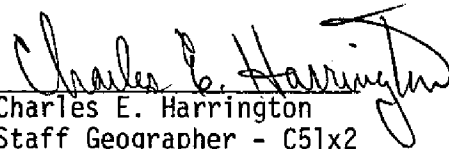
Patapsco River

Rock Point

Sparrows Point

White Rocks

Approved by:

  
Charles E. Harrington  
Staff Geographer - C51x2

NOAA FORM 75-74 (7-75)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
TP - 00847			
1. PROJECTION AND GRIDS LON, Jr.	2. TITLE LON, Jr.	3. MANUSCRIPT NUMBERS LON, Jr.	4. MANUSCRIPT SIZE LON, Jr.
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LON, Jr.	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 LON, Jr.	11. DETAIL POINTS LON, Jr.
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE LON, Jr.	13. LOW-WATER LINE LON, Jr.	14. ROCKS, SHOALS, ETC. LON, Jr.	15. BRIDGES LON, Jr.
16. AIDS TO NAVIGATION LON, Jr.	17. LANDMARKS LON, Jr.	18. OTHER ALONGSHORE PHYSICAL FEATURES LON, Jr.	19. OTHER ALONGSHORE CULTURAL FEATURES LON, Jr.
PHYSICAL FEATURES			
20. WATER FEATURES LON, Jr.	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 LON, Jr.
CULTURAL FEATURES			
27. ROADS LON, Jr.	28. BUILDINGS LON, Jr.	29. RAILROADS LON, Jr.	30. OTHER CULTURAL FEATURES LON, Jr.
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES LON, Jr.	34. JUNCTIONS LON, Jr.		35. LEGIBILITY OF THE MANUSCRIPT LON, Jr.
36. DISCREPANCY OVERLAY LON, Jr.	37. DESCRIPTIVE REPORT LON, Jr.	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS LON, Jr.
40. REVIEWER <i>Lowell O. Neterer, Jr.</i> Lowell O. Neterer, Jr.		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>Charles Parker</i> <i>Albert C. Rauck, Jr.</i>		SUPERVISOR <i>Albert C. Rauck, Jr.</i>	
REVIEWER A. L. Shands		2/76 Albert C. Rauck, Jr.	
43. REMARKS <i>A. L. Shands</i> Field edit applied from Field Edit Ozalid and Matte Ratio Prints 74E(C)7376 and 7377, 74E(C)7309 and 74E(C)7290.			





FIELD EDIT REPORT

TP-00847

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

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

52. ADEQUACY OF COMPILATION

Compilation of this sheet was very good; there were no areas which were changed by field edit along the Sparrows Point shoreline. White Rocks were verified by inspection by boat. Any changes or notes regarding these rocks are indicated on the field edit ozalid and photographs. Field edit note application will complete compilation.

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

There are no landmarks on this sheet recommended for charting.

There are five aids to navigation recommended for charting. See forms 76-40 for this sheet.



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**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 October, 1975. White Rocks edited in November.

Respectfully submitted,

*George W. Jamerson*

George W. Jamerson  
Lt. NOAA  
November 13, 1975

NOAA FORM 76-40 (8-74)										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION										ORIGINATING ACTIVITY									
NONFLOATING AIDS <del>FOR CHARTS</del>										LOCALITY										DATE									
REPORTING UNIT (Field Party, Ship or Office)										STATE										LOCALITY									
TO BE CHARTED										Maryland										Baltimore Harbor									
TO BE REVISED										Coastal Mapping Div.										Feb. 1976									
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.										SURVEY NUMBER										DATUM									
OPR PROJECT NO.										JOB NUMBER										METHOD AND DATE OF LOCATION (See instructions on reverse side)									
514										CM-7415										N.A. 1927									
DESCRIPTION										POSITION										CHARTS AFFECTED									
CHARTING NAME										LATITUDE										LONGITUDE									
(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)										° / ' " D.M. Meters										° / ' " D.P. Meters									
LIGHT	Sparrows Point Bulkhead Light A (Priv.)	39 12	04.38	76 29	32.88	74E(C)7309	Oct. 21, 1974	F-V-Vis.	Oct. 1975	12279																			
LIGHT	Sparrows Point Bulkhead Light B (Priv.)	39 12	06.03	76 29	44.67	74E(C)7309	Oct. 21, 1974	"	"	12281																			
LIGHT	Sparrows Point Bulkhead Light C (Priv.)	39 12	10.44	76 29	48.97	"	"	"	"	"																			
LIGHT	Sparrows Point Ore Pier Lights (West) (Priv.)	39 12	05.01	76 28	55.48	74E(C)7290	Oct. 21, 1974	P-5-L	Nov. 1975	"																			
LIGHT	Sparrows Point Ore Pier Lights (East) (Priv.)	39 12	05.06	76 28	1331	"	"	"	"	"																			
LIGHT	(White Rocks Light, 1961)	39 10	25.228	76 29	17.954	74E(C)7376	Oct. 21, 1974	Triang. Rec.	Aug. 1975	"																			
					431.0																								

✓ F T M

NOAA FORM 76-40 (8-74)				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY			
Replaces C&GS Form 567.				NONFLOATING AIDS <del>CHARTS</del> FOR CHARTS				<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)			
REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE		METHOD AND DATE OF LOCATION (See instructions on reverse side)			
COASTAL MAPPING DIV.		Maryland		Baltimore Harbor		Feb. 1976		CHARTS AFFECTED			
A.M.C. Norfolk Va.		HAVE NOT		D.M. Meters		D.P. Meters		F-V-Vis. Oct. 1975			
OPR PROJECT NO.		JOB NUMBER		SURVEY NUMBER		DATUM		POSITION			
514		CM-7415		TP-00847		N.A. 1927		LATITUDE			
								LONGITUDE			
								D.M. Meters			
								D.P. Meters			
CHARTING NAME		DESCRIPTION		LATITUDE		LONGITUDE		FIELD			
(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)				° / ' " /		° / ' " /		OFFICE			
LIGHT *	Sparrows Point Pier Light (Priv.)	39 12.1	76 28.9								12279 12281
	* NOTE: This light is labeled "PA" on chart 12281. Field editor has determined that there never was a light in this charted position.										

## REVIEW REPORT

TP-00847

SHORELINE

May 11, 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 of the Sparrows Point area was made with a copy of Survey T-5421, 1:10,000 scale, mapped from photographs taken in November 1933. All of the shoreline has been extended into the river by fill and is entirely different from what it was in 1933.

In the area of White Rocks and Rock Point, a visual comparison was made with a copy of Survey T-5424, 1:10,000 scale, mapped from photographs taken in November 1933. No significant difference was noted.

In the area compared, TP-00847 supersedes T-5421 and T-5424 for nautical chart construction purposes. T-5421 and T-5424 are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with USGS Quadrangle SPARROWS POINT, MD., 1:24,000 scale, dated 1969. All shoreline in the Sparrows Point area has been extended into the river by the dumping of slag. There are no apparent changes in the area of Rock Point.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

The Sparrows Point area was compared with a copy of the verified smooth sheet for Survey H-9582 (AHP 5-10-75). No significant difference was noted.

The Old Road Bay area, Rock Point, and White Rocks were compared with the boatsheet for Survey H-9562 (AHP 10-5-75). The only difference noted was a difference in position and elevation of the northernmost rock in the White Rocks group. The rock mapped is visible on the photographs and the position is correct within 0.5 mm. The elevation is based on predicted tides. The position on H-9562 is possibly on a rock not visible on the photographs or not observed by the field editor.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 12281 (545), 1:15,000 scale, 31st Edition, dated November 13, 1976 (Sparrows Point). A charted wreck at Lat.  $39^{\circ} 12.0'$ , Long.  $76^{\circ} 28.0'$  is not visible on the photographs. No other significant difference was noted.

White Rocks and Rock Point were compared visually with Chart 12278 (549), 1:40,000 scale, 43rd Edition, dated April 3, 1976. A wreck charted in the discontinued spoil area in the Patapsco River between Rock Point and Sparrows Point is not visible on the photographs. No other significant difference was 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 11, 1977

Approved for forwarding:

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

Approved:

*A. K. Reynolds*  
Chief, Photogrammetric Branch

*James L. ...*  
Chief, Coastal Mapping Division