

TP-00839

ORIGINAL

TP-00839

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-00839..
Classification No.	Edition No. 1.....
Field Edited Map	
LOCALITY	
State	Maryland.....
General Locality	Baltimore Harbor.....
Locality	Colgate Creek.....
<hr/> 1974 TO 1975 <hr/>	
REGISTRY IN ARCHIVES	
DATE	

TP-00839
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8"E" and RC-10"C"		TYPES OF PHOTOGRAPHY LEGEND <input checked="" type="checkbox"/> (C) COLOR <input type="checkbox"/> (P) PANCHROMATIC <input type="checkbox"/> (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE BALTIMORE Fort McHenry <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern MERIDIAN 75th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74E(C)7352-7353*	21 Oct 74	11:33	1:15,000	0.8 ft. above MLW	
74C(C)825-826**	5 Oct 74	11:05	1:30,000	0.8 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 and corrected by field edit at Lat. $39^{\circ} 15' 50''$ to $60''$, Long. $76^{\circ} 32' 25''$ on Photo 74E(C)7340.

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

None.

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 No contempor- orary survey.	EAST TP-00851 TP-00852 (1:10,000)	SOUTH TP-00843	WEST TP-00838
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REMARKS

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00839
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	Sep 1974
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 BY <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: <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) None			

NOAA FORM 76-36C
(3-72)

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(3-72)

TP-00839

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

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	George W. Jamerson	Sept/Oct 75
2. HORIZONTAL CONTROL	RECOVERED BY G. W. Jamerson ESTABLISHED BY NA PRE-MARKED OR IDENTIFIED BY NA	Sept. 1975
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 LOCATED (Field Methods) BY NA Verified XXXXXXXX BY G. W. Jamerson	Oct. 1975
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	Oct. 1975
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

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)

74 E(C) 7339, 7340, 7341, 7352

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

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

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

5. GEOGRAPHIC NAMES:

☐ REPORT☒ NONE

6. 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)

2 Form 76-40
Field Edit Ozalid
Field Edit Report

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00839
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	Oct 1975	Class III Manuscript Superseded	24 Nov 1975	
Compilation complete	Dec 1975	Class I Manuscript Superseded	7 Jun 1976	
Final Review	Mar 1977		26 May 1977	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		2 Jul 1976	Landmarks for charts.
1		2 Jul 1976	Landmarks 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: _____

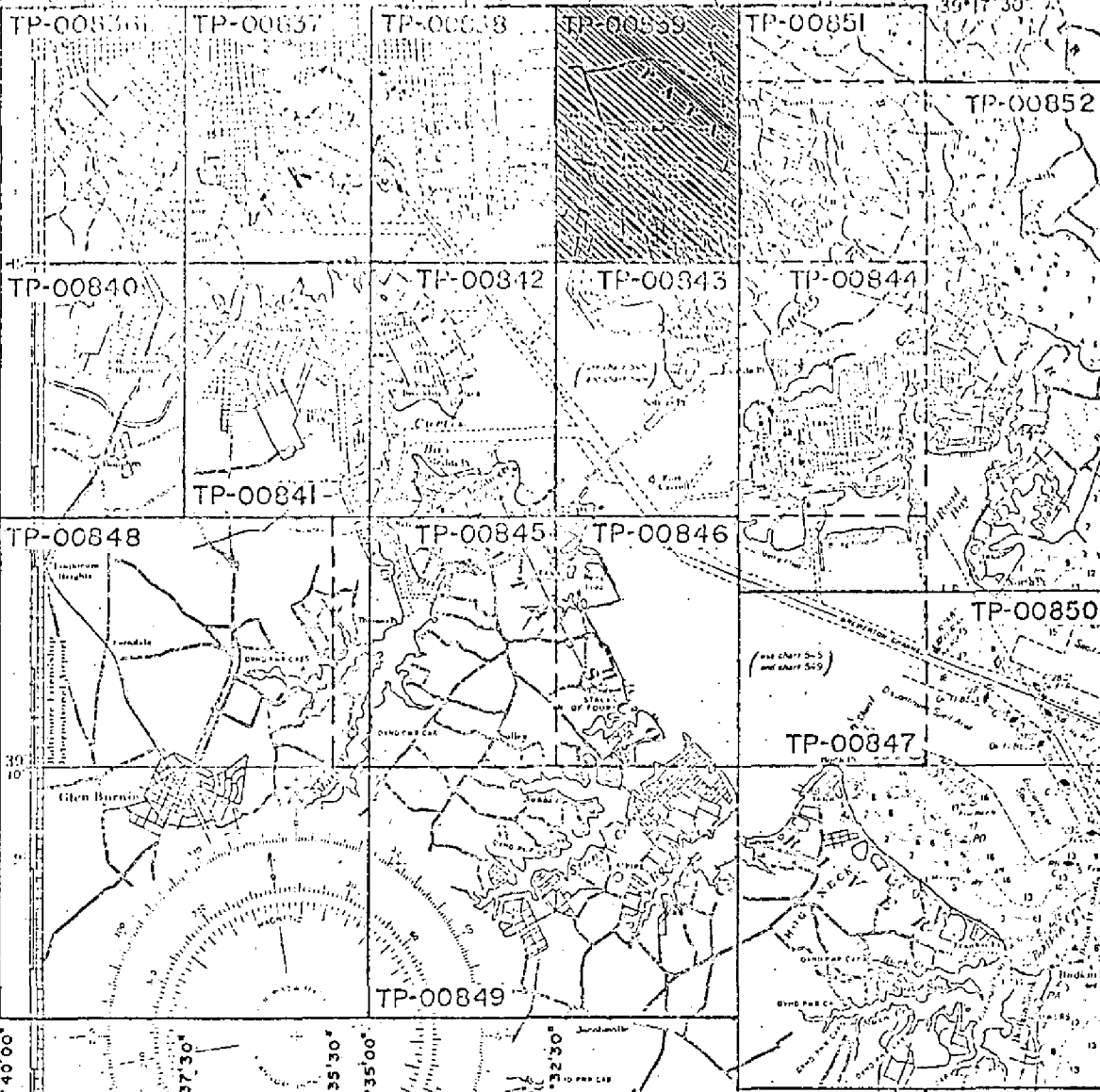
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM ~~NOA 362~~ ⁷⁶⁻⁴⁰ 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.

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

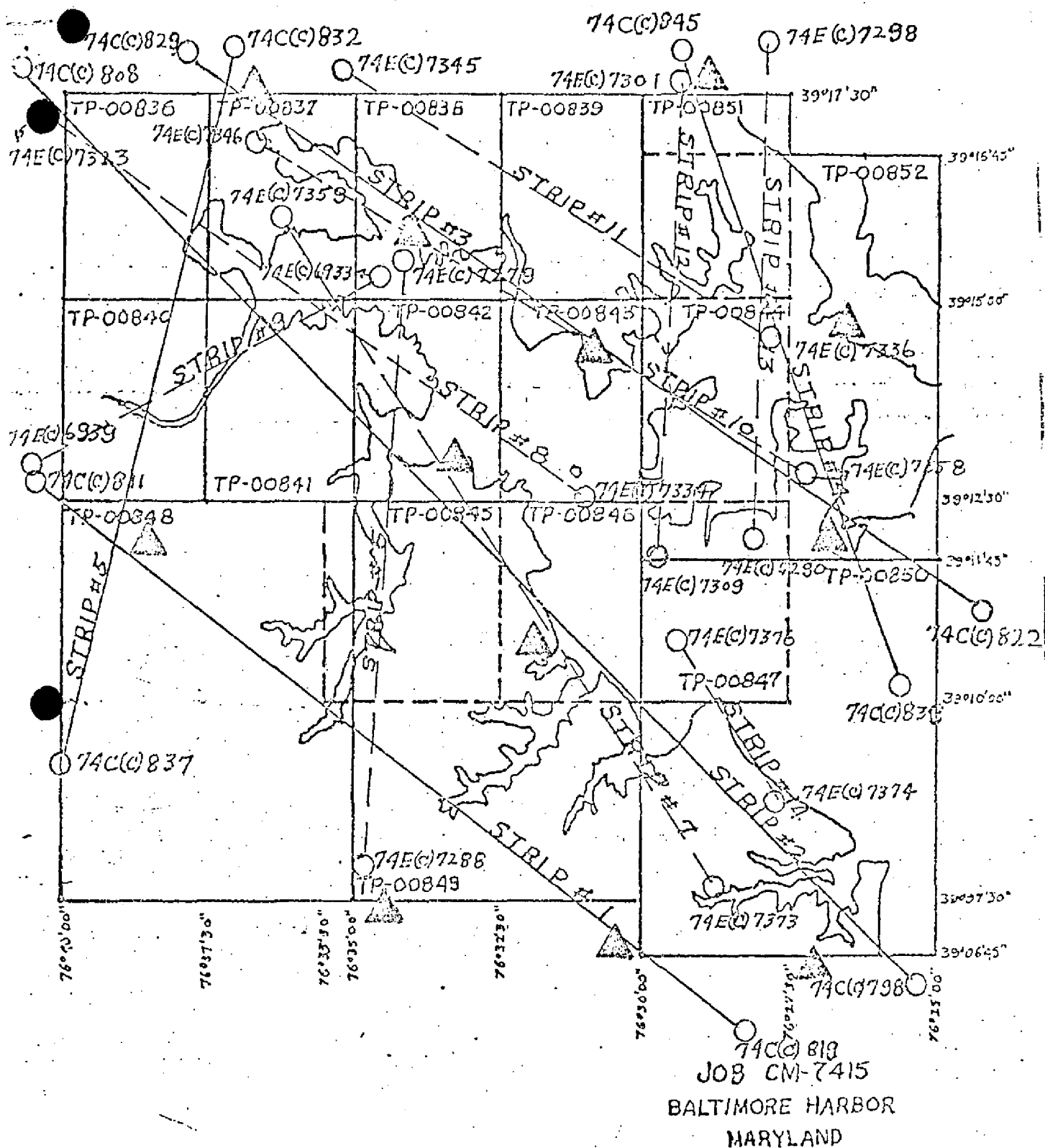
The photography was adequate as to coverage and overlap. Definition was poor due to haze at time of photography.

Approved and forwarded:

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

Respectfully submitted,

Ivey O. Raborn
Ivey O. Raborn



COMPILATION REPORT

TP-00839

31. DELINEATION:

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

32. CONTROL:

See the attached Photogrammetric Plot Report dated April 1975.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water line was delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

Preliminary Forms 76-40 for Landmarks and/or Nonfloating Aids were prepared by the Compilation Office and forwarded to the Field Editor and/or Hydrographer for verification, location or deletion in November 1975 and the final field edited forms were forwarded to the Rockville, Maryland, Office on July 2, 1976.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See the attached Form 76-36B, Item #5 of the Descriptive Report, concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with the following USGS Quadrangle: BALTIMORE EAST, MD., scale 1:24,000, dated 1953 and photorevised in 1966.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the following National Ocean Survey chart: No. 12281, scale 1:15,000, 29th Edition, dated August 17, 1974.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

Fay T. Mauldin

Fay T. Mauldin
Cartographer
October 1975

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00839

FIELD EDIT

Field edit was adequate.

February 28, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7415 (Baltimore, Md.)

TP-00839

Baltimore & Ohio (RR)

Bullneck Creek

Colgate Creek

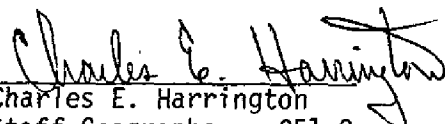
Dundalk

Patapsco River

Pennsylvania Central (RR)

Point Breeze

Approved by:


Charles E. Harrington
Staff Geographer - C51x2

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00839

1. PROJECTION AND GRIDS LON, Jr.	2. TITLE LON, Jr.	3. MANUSCRIPT NUMBERS	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 XX	10. PHOTOGRAMMETRIC PLOT REPORT LON, Jr.	11. DETAIL POINTS Not for Hydro LON, Jr.
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE LON, Jr.	13. LOW-WATER LINE XX	14. ROCKS, SHOALS, ETC. LON, Jr.	15. BRIDGES LON, Jr.
16. AIDS TO NAVIGATION XX	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 XX
CULTURAL FEATURES			
27. ROADS LON, Jr.	28. BUILDINGS LON, Jr.	29. RAILROADS LON, Jr.	30. OTHER CULTURAL FEATURES
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 XX	39. FORMS LON, Jr.
40. REVIEWER <i>Lowell O. Neterer, Jr.</i> Lowell O. Neterer, Jr. 22 Oct 1975		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>Fay T. Mauldin</i> Fay T. Mauldin 17 Dec 1975		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
Reviewed by: A. L. Shands 27 Jan 1976			
43. REMARKS <i>A. L. Shands</i>			
See Form 76-36C, History of Field Operations, Field Edit Item #8			



FIELD EDIT REPORT

TP-00839

Baltimore Harbor, Md.

51. METHODS

An inspection of all shoreline and alongshore features was made, and all deletions, additions, and corrections are either shown or referred to on the field edit paper ozalid. All field edit notes are in purple ink for additions, and in green ink for deletions.

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

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

52. ADEQUACY OF COMPILATION

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

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.



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

57. LANDMARKS AND AIDS TO NAVIGATION

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

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

See forms 76-40.

58. FIELD EDITOR

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

Respectfully submitted,

George W. Jamerson

George W. Jamerson
Lt. NOAA
October 31, 1975

REVIEW REPORT
TP-00839

SHORELINE

March 7, 1977

61. GENERAL STATEMENT:

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

No comparison print was prepared for this map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

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

In the area compared, TP-00839 supersedes T-5420 and T-5421 for nautical chart construction purposes. T-5420 and T-5421 are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with USGS Quadrangle BALTIMORE EAST, MD., 1:24,000 scale, dated 1953, photorevised in 1966. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

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

65. COMPARISON WITH NAUTICAL CHARTS:

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

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

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

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

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

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted:

Charles H. Bishop

Charles H. Bishop
Cartographer
March 7, 1977

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

R. H. Howard

Chief, Photogrammetric Branch

James E. Allen

Chief, Coastal Mapping Division

