

TP-00844

ORIGINAL

TP-00844

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-00844

Classification No. Edition No. 1

Field Edited Map

LOCALITY

State Maryland

General Locality Baltimore Harbor

Locality Sparrows Point

1974 TO 1975

REGISTRY IN ARCHIVES

DATE

| | | | |
|---|--|---|--|
| NOAA FORM 76-36A (3-72) | | U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. | |
| DESCRIPTIVE REPORT - DATA RECORD | | 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 OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr. | | SURVEY TP. <u>00844</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>REC CM-7415</u> | |
| PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, VA 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__ | |
| I. INSTRUCTIONS DATED | | | |
| 1. OFFICE | | 2. FIELD | |
| Aerotriangulation Compilation 2/07/75 3/12/75 | | August 16, 1974 | |
| II. DATUMS | | | |
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN | | OTHER (Specify) | |
| 2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input 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 | |
| III. HISTORY OF OFFICE OPERATIONS | | | |
| OPERATIONS | | NAME | |
| DATE | | | |
| 1. AEROTRIANGULATION METHOD: Analytic LANDMARKS AND AIDS BY | | I. Rayborn 4/75 | |
| 2. CONTROL AND BRIDGE POINTS METHOD: Calcomp PLOTTED BY CHECKED BY | | R. Robertson 4/75 R. Robertson 4/75 | |
| 3. STEREOSCOPIC INSTRUMENT COMPILATION PLANIMETRY BY CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:7,500 CONTOURS BY CHECKED BY | | C. Parker 9/75 L. Neterer, Jr./R. Minton 9/75 NA NA | |
| 4. MANUSCRIPT DELINEATION METHOD: Smooth Drafting SCALE: 1:5,000 PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY | | R. Minton 10/75 F. Margiotta (Partial) 11/75 NA NA NA NA | |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY | | F. Margiotta (Partial) 11/75 | |
| 6. APPLICATION OF FIELD EDIT DATA BY | | J. R. Minton 4/76 | |
| 7. COMPILATION SECTION REVIEW BY | | F. Margiotta 5/76 | |
| 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. Catdr 7/77 | |

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00844
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"/> PREDICTED TIDES Fort Carroll <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY | | X (C) COLOR (P) PANCHROMATIC (I) INFRARED | | ZONE Eastern MERIDIAN 75th <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT | |
| NUMBER AND TYPE | DATE | TIME | SCALE | STAGE OF TIDE | |
| 74E(C)7305 thru 7308* | 10/21/74 | 11:13 | 1:15,000 | 0.9 ft. above MLW | |
| 74E(C)7355 thru 7358* | 10/21/74 | 11:33 | 1:15,000 | 0.8 ft. above MLW | |
| 74E(C)7291 thru 7293* | 10/21/74 | 10:54 | 1:15,000 | 0.9 ft. above MLW | |
| 74E(C)7337* | 10/21/74 | 11:33 | 1:15,000 | 0.8 ft. above MLW | |
| 74C(C)823 and 824** | 10/05/74 | 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.

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 TP-00851 | EAST TP-00852 | SOUTH TP-00847 | WEST TP-00843 |
| TP-00852 (1:10,000) | TP-00852 (1:10,000) | TP-00852 (1:10,000) | TP-00843 |

REMARKS

This map manuscript lies within the west central portion of TP-00852.

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

TP-00844

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 ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY | None None None |
| 3. VERTICAL CONTROL | RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY | NA NA NA |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY | None None 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 | NA |
| 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)

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

TP-00844

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ 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 | |
| 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 | 11/75 |
| | LOCATED (Field Methods) BY NA | |
| | IDENTIFIED BY NA | |
| 5. GEOGRAPHIC NAMES INVESTIGATION | TYPE OF INVESTIGATION | |
| | <input type="checkbox"/> COMPLETE | |
| | <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY BY | |
| | <input type="checkbox"/> NO INVESTIGATION | |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY G. W. Jamerson | 11/75 |
| 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)

NOS Oct. 74 7292, 7293, 7306, 7307, 7336, 7337, 7356, 7357, 7358, and
from TP-00847, 7290 and 7309

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

| 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 76-40
- 1 Paper Field Edit Ozalid
- 1 Field Edit Report

NOAA FORM 76-36C
(3-72)

NOAA FORM 76-36D
(3-72)

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

TP-00844
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 | 11/19/75 |
| Field edit applied. Compilation complete. | 4/76 | Class I Manuscript Superseded | 6/07/76 | |
| Final Review | 5/77 | | 5/24/77 | |
| | | | | |

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER NUMBER ASSIGNED | DATE FORWARDED | REMARKS |
|--------|---------------------------------|-------------------|-------------------------|
| 2 | | 7/02/76 | Landmarks for charts. |
| 1 | | 7/02/76 | Landmarks for deletion. |
| 2 | | 7/02/76 | Aids for charts. |
| | | | |
| | | | |
| | | | |

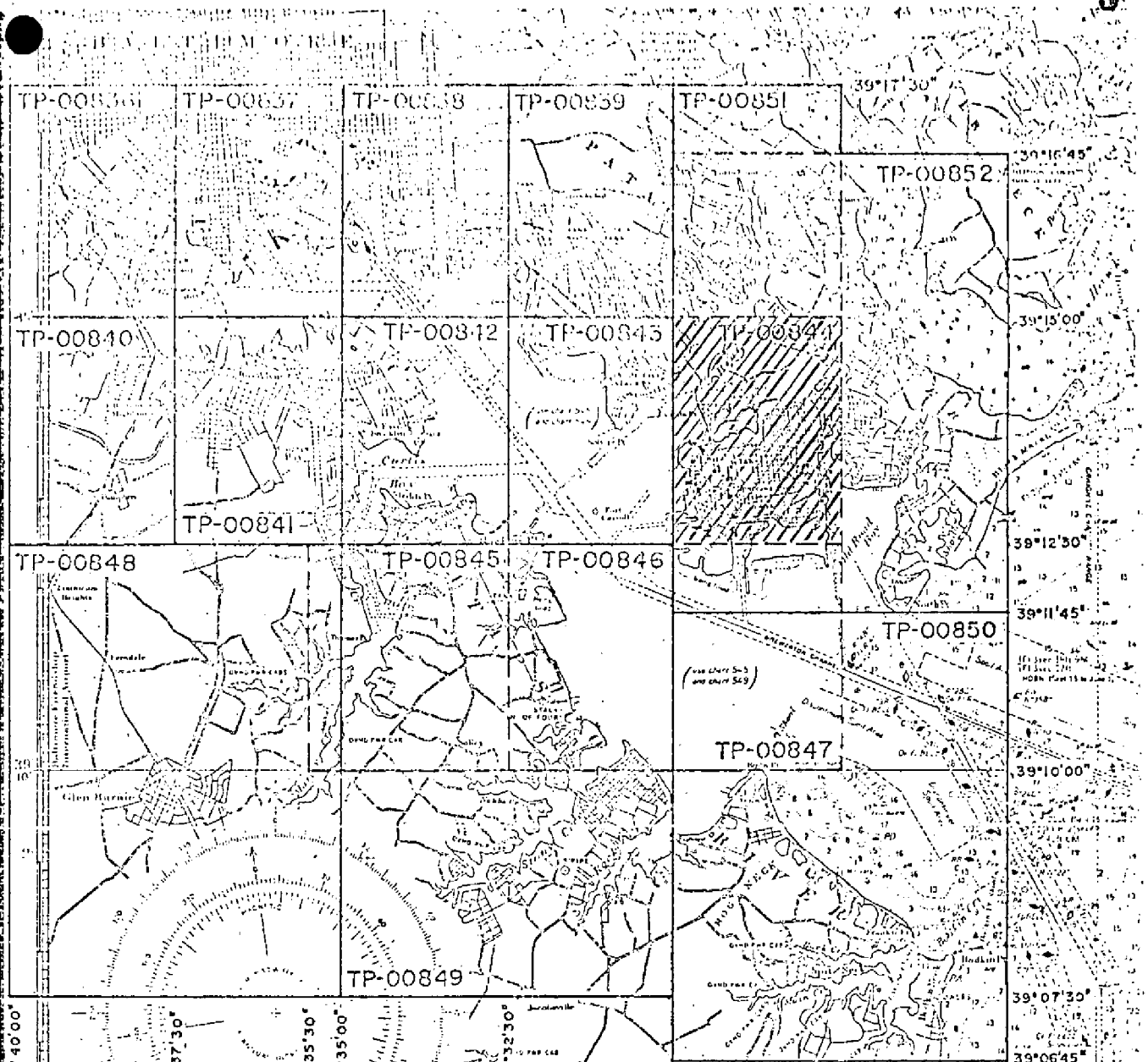
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 2, 1976
 3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM 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 | |
|-------------------|---------------------------------|--------------------------|---|--|
| | 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 | |



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 | 2 |
| 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

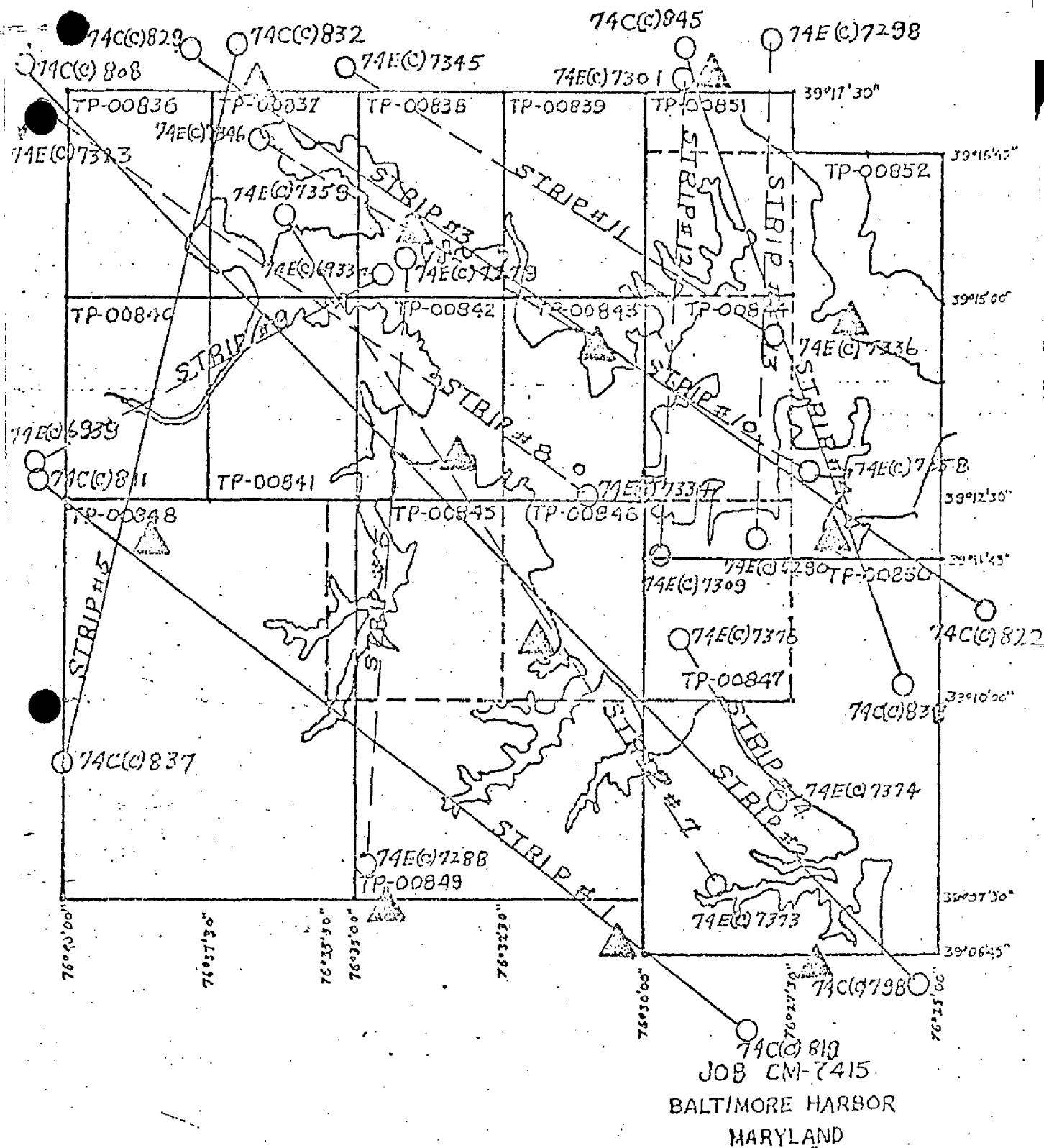
USGS Quadrangles were used to provide vertical control for the adjustment.

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



DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO. | JOB NO. | SOURCE OF INFORMATION (Index) | AEROTRI- ANGULATION POINT NUMBER | GEODETIC DATUM | | ORIGINATING ACTIVITY | |
|---|-----------------------|----------------------------------|---|--------------------------------------|------------------------|---|---------|
| | | | | COORDINATES IN FEET STATE ZONE | NA 1927 | Geographic Position ϕ LATITUDE λ LONGITUDE | AMC |
| TP-00844 | CM-7415 | | | | | Coastal Mapping Div., Norfolk, VA | |
| HUMPHREY CREEK, TANK, 1934 | G.P. Vol I P. 233 | | | X= | ϕ 39 13 56.103 | FORWARD | BACK |
| | | | | Y= | λ 76 29 26.802 | 1730.1 (120.2) | (796.3) |
| SPARROWS POINT, BETHLEHEM STEEL COMPANY, LARGE WATER TANK, 1958 | G.P. Vol II P. 327 | | | X= | ϕ 39 13 31.419 | 968.9 (881.4) | |
| | | | | Y= | λ 76 29 00.618 | 14.8 (1424.4) | |
| BETHLEHEM TANK, 1933 | G.P. Vol I P. 315 | | | X= | ϕ 39 12 55.906 | 1724.0 (126.3) | |
| | | | | Y= | λ 76 28 24.553 | 589.0 (850.4) | |
| CUTOFF CHANNEL REAR RANGE LIGHT, 1896 | G.P. Vol I P. 316 | | | X= | ϕ 39 12 57.818 | 1783.0 (67.3) | |
| | | | | Y= | λ 76 27 47.021 | 1128.0 (311.4) | |
| | | | | X= | ϕ | | |
| | | | | Y= | λ | | |
| | | | | X= | ϕ | | |
| | | | | Y= | λ | | |
| | | | | X= | ϕ | | |
| | | | | Y= | λ | | |
| | | | | X= | ϕ | | |
| | | | | Y= | λ | | |
| | | | | X= | ϕ | | |
| | | | | Y= | λ | | |
| | | | | X= | ϕ | | |
| | | | | Y= | λ | | |
| 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-00844

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter.

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:

No statement.

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
April 22, 1976

Approved:

Albert C. Rauck, Jr.

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

ADDENDUM TO THE COMPILATION REPORT

TP-00844

FIELD EDIT

Field edit of this map was satisfactory.

February 28, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7415 (Baltimore, Md.)

TP-00844

Baltimore & Ohio (RR)

Bear Creek

Bullneck Creek

Cattail Point

Humphrey Creek

Jones Creek

Lloyd Point

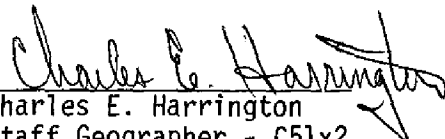
Long Point

Old Road Bay

Patapsco & Back Rivers (RR)

Sparrows Point

Approved by:


Charles E. Harrington
Staff Geographer - C51x2

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00844

| | | | | | | | |
|---|--|------------------------------------|--|---|--|---|--|
| 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 NA | | 10. PHOTOGRAMMETRIC PLOT REPORT FPM | | 11. DETAIL POINTS FPM | |
| ALONGSHORE AREAS (Nautical Chart Data) | | | | | | | |
| 12. SHORELINE FPM | | 13. LOW-WATER LINE FPM | | 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 | |
| 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 F. P. Margiotta | | | | 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 J. R. Minton J. R. Minton | | | | SUPERVISOR Albert C. Rauck, Jr. | | | |
| REVIEWER F. Margiotta | | | | Albert C. Rauck, Jr. | | | |
| 43. REMARKS F. Margiotta See Page 76-36C, FIELD EDIT OPERATION, Item #8. | | | | | | | |



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

FIELD EDIT REPORT

TP-00844

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. All shoreline was checked by boat and found to be delineated properly. All questions and notes inserted by field edit appear on the field edit ozalid. When these notes are applied, compilation will be complete.

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

There are three landmarks on this sheet which are recommended for charting and ten which are not considered good landmarks. It is the opinion of the field editor that these ten charted landmarks are not useful to the mariner due to the confusing nature of their arrangement at Sparrow's Point. Other opinions are solicited before deletion of these stacks however. If some of these stacks are still desired on the chart, it is recommended that only the eight circled on the field edit ozalid in red ink be charted.



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There are thirteen 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 26, 1975

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

LANDMARKS FOR CHARTS

| REPORTING UNIT (Field Party, Ship or Office) | | | | LOCALITY | | DATE | | ORIGINATING ACTIVITY | | | | | |
|---|---------|----------|--|-------------|--------|------------------|--------|---|---------------|---|-------|--|--|
| COASTAL MAPPING DIV. A.C.C. NO. 10101K, VA. | | | | Maryland | | Baltimore Harbor | | Apr. 1976 | | <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) | | | |
| The following objects HAVE <input checked="" type="checkbox"/> HAVE NOT <input type="checkbox"/> been inspected from seaward to determine their value as landmarks. | | | | DATUM | | POSITION | | METHOD AND DATE OF LOCATION (See instructions on reverse side) | | CHARTS AFFECTED | | | |
| JOB NUMBER | | | | LATITUDE | | LONGITUDE | | OFFICE | | FIELD | | | |
| SURVEY NUMBER | | | | D.M. Meters | | D.P. Meters | | | | | | | |
| 511 | CM-7415 | TP-00844 | | 39 13 | 56.103 | 76 29 | 26.802 | 74E(C)7306 | Oct. 21, 1974 | Triang. Rec. | 12273 | | |
| | | | | | 1730.1 | | 642.8 | | | Nov. 1975 | 12279 | | |
| | | | | 39 13 | 31.419 | 76 29 | 00.618 | 74E(C)7307 | Oct. 21, 1974 | " | " | | |
| | | | | | 968.9 | | 14.8 | | | " | " | | |
| | | | | 39 12 | 55.908 | 76 28 | 24.553 | 74E(C)7291 | Oct. 21, 1974 | " | " | | |
| | | | | | 1724.0 | | 589.0 | | | " | " | | |
| | | | | 39 12 | 43.62 | 76 29 | 16.01 | 74E(C)7308 | Oct. 21, 1974 | F-V-Vis. | " | | |
| | | | | | 1345 | | 384 | | | Nov. 1975 | " | | |
| | | | | 39 12 | 43.55 | 76 29 | 16.42 | " | " | " | " | | |
| | | | | | 1343 | | 394 | " | " | " | " | | |
| | | | | 39 12 | 43.23 | 76 29 | 23.97 | " | " | " | " | | |
| | | | | | 1333 | | 575 | " | " | " | " | | |
| | | | | 39 12 | 43.13 | 76 29 | 24.55 | " | " | " | " | | |
| | | | | | 1330 | | 589 | " | " | " | " | | |
| | | | | 39 12 | 34.67 | 76 29 | 14.84 | " | " | " | " | | |
| | | | | | 1069 | | 356 | " | " | " | " | | |
| | | | | 39 12 | 34.31 | 76 29 | 19.26 | " | " | " | " | | |
| | | | | | 1058 | | 462 | " | " | " | " | | |
| | | | | 39 12 | 33.95 | 76 29 | 24.05 | " | " | " | " | | |
| | | | | | 1047 | | 577 | " | " | " | " | | |

✓ FTM

| NOAA FORM 76-40 (8-74) Replaces C&GS Form 567. | | | | | | | | | | U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION | | | | | | | | | | ORIGINATING ACTIVITY | | | | | | | | | |
|--|-------|-------|--------|--------|--------|--------|------------|---------------|---------------------------|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|
| NONFLOATING AIDS FOR CHARTS | | | | | | | | | | LOCALITY | | | | | | | | | | 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. A.M.C. Norfolk, Va. | | | | | | | | | | STATE Maryland | | | | | | | | | | DATE Apr. 1976 | | | | | | | | | |
| HAVE <input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED | | | | | | | | | | 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-00844 | | | | | | | | | |
| CHARTING NAME | | | | | | | | | | DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.) | | | | | | | | | | METHOD AND DATE OF LOCATION (See instructions on reverse side) | | | | | | | | | |
| LATITUDE | | | | | | | | | | LONGITUDE | | | | | | | | | | OFFICE | | | | | | | | | |
| D.M. Metres | | | | | | | | | | D.P. Metres | | | | | | | | | | FIELD | | | | | | | | | |
| CHARTS AFFECTED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LIGHT | 39 13 | 76 29 | 37.26 | 1149 | 48.53 | 1164 | 74E(C)7307 | Oct. 21, 1974 | 12273 | | | | | | | | | | | | | | | | | | | | |
| LIGHT | 39 13 | 76 29 | 53.83 | 1660 | 31.60 | 758 | " | " | 12279 | | | | | | | | | | | | | | | | | | | | |
| LIGHT | 39 12 | 76 29 | 45.72 | 1410 | 38.10 | 914 | 74E(C)7308 | Oct. 21, 1974 | 12281 | | | | | | | | | | | | | | | | | | | | |
| LIGHT | 39 12 | 76 29 | 46.21 | 1425 | 32.55 | 781 | " | " | " | | | | | | | | | | | | | | | | | | | | |
| LIGHT | 39 12 | 76 29 | 41.86 | 1291 | 04.25 | 102 | " | " | " | | | | | | | | | | | | | | | | | | | | |
| LIGHT | 39 12 | 76 29 | 47.64 | 1469 | 05.04 | 121 | " | " | " | | | | | | | | | | | | | | | | | | | | |
| LIGHT | 39 12 | 76 27 | 57.818 | 1783.0 | 47.021 | 1128.0 | 74E(C)7291 | Oct. 21, 1974 | Triang. Rec. Nov. 1975 | | | | | | | | | | | | | | | | | | | | |
| LIGHT | 39 13 | 76 27 | 09.79 | 302 | 43.89 | 1055 | " | " | F-V-Vis. Nov. 1975 | | | | | | | | | | | | | | | | | | | | |
| LIGHT | 39 13 | 76 27 | 33.59 | 1036 | 47.19 | 1132 | " | " | " | | | | | | | | | | | | | | | | | | | | |
| LIGHT | 39 14 | 76 29 | 10.28 | 317 | 46.74 | 1121 | 74E(C)7306 | Oct. 21, 1974 | P-5-1 Nov. 1975 | | | | | | | | | | | | | | | | | | | | |

REVIEW REPORT

TP-00844

SHORELINE

May 4, 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-5421, 1:10,000 scale, mapped from photographs taken in November 1933. Shoreline and cultural features have changed greatly since that date.

In the area compared, TP-00844 supersedes T-5421 for nautical chart construction purposes. T-5421 is the latest registered prior survey 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. Greys Creek (not named on the quadrangle) has been filled in. Humphrey Creek is now confined to a narrow channel; it no longer covers the area indicated on the quadrangle. No other significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparisons were made with the following contemporary hydrographic surveys:

H-9643 (HSB 5-1-76) Boatsheet: Shoreline on the boatsheet is from a Class III copy of TP-00844. The mean high water line at Long Point was changed by field edit and is correct on the Class I copy furnished to the Verification Branch.

A pile located by the hydrographer at Lat. $39^{\circ} 13' 36''$, Long. $76^{\circ} 29' 42''$ is not visible on the photographs and was not located by field edit.

H-9562 (AHP 10-5-75) Boatsheet, visual: No significant difference.

H-9582 (AHP 5-10-75) Copy of Verified Smooth Sheet: No significant difference.

65. COMPARISON WITH NAUTICAL CHARTS:

West of Long. $76^{\circ} 28'$, a visual comparison was made with Chart 12281, 1:15,000 scale, 31st Edition, dated November 13, 1976.

A charted pier at Lat. $39^{\circ} 14' 57''$, Long. $76^{\circ} 29' 57''$ was deleted by the field editor and, therefore, is not shown on TP-00844. Later, when hydrography was in progress, a new pier was under construction. This pier should be charted from the hydrographic data.

A charted platform at Lat. $39^{\circ} 14' 56''$, Long. $76^{\circ} 29' 05''$ was deleted by the field editor; it no longer exists.

Greys Creek, Lat. $39^{\circ} 14.7'$, Long. $76^{\circ} 29.2'$ has been filled in. It no longer exists and should be deleted from the chart.

In the area of Sparrows Point, six charted objects (five stacks and one standpipe) are recommended for deletion and four stacks not previously charted are recommended for new landmarks. The objects recommended for deletion are compiled on TP-00844 as map features, rather than nautical landmarks. See copies of Form 76-40 bound with this report.

East of Long. $76^{\circ} 28'$, a visual comparison was made with Chart 12278, 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 4, 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]