NOAA FORM 76-35

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

DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Shoreline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job No.</td>
<td>CM-7415</td>
</tr>
<tr>
<td>Map No.</td>
<td>TP-00839</td>
</tr>
<tr>
<td>Classification No.</td>
<td></td>
</tr>
<tr>
<td>Edition No.</td>
<td>1</td>
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</tbody>
</table>

Field Edited Map

LOCALITY

<table>
<thead>
<tr>
<th>State</th>
<th>Maryland</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Locality</td>
<td>Baltimore Harbor</td>
</tr>
<tr>
<td>Locality</td>
<td>Colgate Creek</td>
</tr>
</tbody>
</table>

1974 TO 1975

REGISTRY IN ARCHIVES

DATE

* U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901
1. **Compilation Photography**

**Camera(s):**
- Wild RC-811H and RC-1000

**Tide Stage Reference:**
- Baltimore
- Fort McHenry

**Legend:**
- XG: Color
- P: Panchromatic
- I: Infrared

<table>
<thead>
<tr>
<th>Number and Type</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>74E(C)7352-7353*</td>
<td>21 Oct 74</td>
<td>11:33</td>
<td>1:15,000</td>
<td>0.8 ft. above MLW</td>
</tr>
<tr>
<td>74C(C)825-826**</td>
<td>5 Oct 74</td>
<td>11:05</td>
<td>1:30,000</td>
<td>0.8 ft. above MLW</td>
</tr>
</tbody>
</table>

**Remarks:**
- *Compilation photography*
- **Bridge photography**

2. **Source of Mean High-Water Line:**

The MHWWas compiled from office interpretation of the above listed photographs and corrected by field edit at Lat. 39° 15' 50" to 60", Long. 76° 32' 25" on Photo 74B(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.)*

<table>
<thead>
<tr>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5. **Final Junctions**

<table>
<thead>
<tr>
<th>North</th>
<th>East</th>
<th>South</th>
<th>West</th>
</tr>
</thead>
<tbody>
<tr>
<td>No contemporary survey</td>
<td>TP-00851</td>
<td>TP-00843</td>
<td>TP-00838</td>
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</table>

**Remarks:**
## HISTORY OF FIELD OPERATIONS

### 1. FIELD INSPECTION OPERATION

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIEF OF FIELD PARTY</td>
<td>R. S. Tibbetts</td>
<td>Sep 1974</td>
</tr>
</tbody>
</table>

### 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 COMPLETE**: No
- **SPECIFIC NAMES ONLY**: Yes
- **NO INVESTIGATION**: No

### 6. PHOTO INSPECTION

- **CLARIFICATION OF DETAILS BY**: NA

### 7. BOUNDARIES AND LIMITS

- **SURVEYED OR IDENTIFIED BY**: NA

### II. SOURCE DATA

#### 1. HORIZONTAL CONTROL IDENTIFIED

- **PHOTO NUMBER**: None
- **STATION NAME**: None

#### 2. VERTICAL CONTROL IDENTIFIED

- **PHOTO NUMBER**: None
- **STATION DESIGNATION**: None

#### 3. PHOTO NUMBERS (Clarification of details)

- **None**

#### 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

- **None**

#### 5. GEOGRAPHIC NAMES

- **REPORT**: No
- **NONE**: Yes

#### 6. BOUNDARY AND LIMITS

- **REPORT**: No
- **NONE**: Yes

#### 7. SUPPLEMENTAL MAPS AND PLANS

- **None**

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

- **None**
### History of Field Operations

<table>
<thead>
<tr>
<th>Operation</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>George W. Jamerson</td>
<td>Sept/Oct 75</td>
</tr>
<tr>
<td>2. HORIZONTAL CONTROL</td>
<td>G. W. Jamerson</td>
<td>Sept. 1975</td>
</tr>
<tr>
<td>3. VERTICAL CONTROL</td>
<td>G. W. Jamerson</td>
<td>Oct. 1975</td>
</tr>
<tr>
<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
<td>G. W. Jamerson</td>
<td>Oct. 1975</td>
</tr>
<tr>
<td>5. GEOGRAPHIC NAMES INVESTIGATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. BOUNDARIES AND LIMITS</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

### Source Data

1. HORIZONTAL CONTROL IDENTIFIED: None
2. VERTICAL CONTROL IDENTIFIED: None

### Photo Numbers (Clarification of details)

74 E(0) 7339, 7340, 7341, 7352

### Landmarks and Aids to Navigation Identified

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

### Geographic Names

5. GEOGRAPHIC NAMES: REPORT: X NONE
6. BOUNDARY AND LIMITS: REPORT: X NONE

### Supplemental Maps and Plans

7. None

### Other Field Records

8. OTHER FIELD RECORDS: Sketch books, etc. DO NOT list data submitted to the Geodetic Division

- 2 Form 76-40
- Field Edit Ozalid
- Field Edit Report
### I. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>DATA COMPILED</th>
<th>COMPILATION STAGES</th>
<th>DATE MANUSCRIPT FORWARDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compilation complete, pending Field Edit</td>
<td>Oct 1975</td>
<td>24 Nov 1975</td>
</tr>
<tr>
<td>Compilation complete</td>
<td>Dec 1975</td>
<td>7 Jun 1976</td>
</tr>
<tr>
<td>Final Review</td>
<td>Mar 1977</td>
<td>26 May 1977</td>
</tr>
</tbody>
</table>

### II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>CHART LETTER NUMBER ASSIGNED</th>
<th>DATE FORWARDED</th>
<th>REMARKS</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td></td>
<td>2 Jul 1976</td>
<td>Landmarks for charts.</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>2 Jul 1976</td>
<td>Landmarks for deletion.</td>
</tr>
</tbody>
</table>

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 1234 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)

<table>
<thead>
<tr>
<th>SURVEY NUMBER</th>
<th>JOB NUMBER</th>
<th>TYPE OF SURVEY</th>
<th>MAP CLASS</th>
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<tbody>
<tr>
<td>SECOND EDITION</td>
<td>PH - (2)</td>
<td>REVISED</td>
<td>FINAL</td>
</tr>
<tr>
<td>DATE OF PHOTOGRAPHY</td>
<td>DATE OF FIELD EDIT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THIRD EDITION</td>
<td>PH - (3)</td>
<td>REVISED</td>
<td>FINAL</td>
</tr>
<tr>
<td>DATE OF PHOTOGRAPHY</td>
<td>DATE OF FIELD EDIT</td>
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<tr>
<td>FOURTH EDITION</td>
<td>PH - (4)</td>
<td>REVISED</td>
<td>FINAL</td>
</tr>
<tr>
<td>DATE OF PHOTOGRAPHY</td>
<td>DATE OF FIELD EDIT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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° 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 stereoplottor. 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.
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-09851, 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:  Respectfully submitted,

John D. Perrow, Jr.  Ivey O. Raborn
Chief, Aerotriangulation Section
<table>
<thead>
<tr>
<th>STATION NAME</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>AEROTRIANGULATION POINT NUMBER</th>
<th>COORDINATES IN FEET</th>
<th>GEODETIC DATUM</th>
<th>ORIGINATING ACTIVITY</th>
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</thead>
<tbody>
<tr>
<td>WES, 1930</td>
<td>G.P. Vol I P. 205</td>
<td></td>
<td>x=</td>
<td>φ 39 15 13.123</td>
<td>404.7 (1445.6)</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>y=</td>
<td>λ 76 32 29.798</td>
<td>714.5 (724.1)</td>
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<tr>
<td>CRANE, 1930</td>
<td>G.P. Vol I P. 324</td>
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<td>x=</td>
<td>φ 39 15 12.205</td>
<td>376.4 (1473.9)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>y=</td>
<td>λ 76 32 20.625</td>
<td>494.5 (944.1)</td>
</tr>
<tr>
<td>DUNDALK, NATIONAL DISTILLERS PRODUCTS CORPORATION, LARGE WATER TANK, 1958</td>
<td>G.P. Vol II P. 309</td>
<td></td>
<td>x=</td>
<td>φ 39 15 54.440</td>
<td>1678.8 (171.5)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>y=</td>
<td>λ 76 31 11.815</td>
<td>283.3 (1155.1)</td>
</tr>
<tr>
<td>DUNDALK, NATIONAL DISTILLERS PRODUCTS CORPORATION, STACK, 1952</td>
<td>G.P. Vol I P. 686</td>
<td></td>
<td>x=</td>
<td>φ 39 15 53.89</td>
<td>1661.9 (188.4)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>y=</td>
<td>λ 76 31 10.31</td>
<td>247.2 (1191.2)</td>
</tr>
<tr>
<td>BALTIMORE BUREAU OF WATER SUPPLY, RED AND WHITE TANK, 1952</td>
<td>G.P. Vol I P. 686</td>
<td></td>
<td>x=</td>
<td>φ 39 17 27.454</td>
<td>846.7 (1003.6)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>y=</td>
<td>λ 76 31 38.524</td>
<td>923.2 (515.6)</td>
</tr>
</tbody>
</table>

COMPUTED BY
A. C. Rauk, Jr.
DATE 5/20/75
COMPUTATION CHECKED BY
F. Mauldin
DATE 5/27/75

LISTED BY
A. C. Rauk, Jr.
DATE 5/20/75
LISTING CHECKED BY
F. Mauldin
DATE 5/27/75

HAND PLOTTING BY
A. C. Rauk, Jr.
DATE 5/21/75
HAND PLOTTING CHECKED BY
F. Mauldin
DATE 5/28/75
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
Cartographer
October 1975

Approved:

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:

[Signature]

Charles E. Harrington
Staff Geographer - C51x2
<table>
<thead>
<tr>
<th>1. PROJECTION AND GRIDS</th>
<th>2. TITLE</th>
<th>3. MANUSCRIPT NUMBERS</th>
<th>4. MANUSCRIPT SIZE</th>
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<tr>
<td>LON, Jr.</td>
<td>LON, Jr.</td>
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**CONTROL STATIONS**

<table>
<thead>
<tr>
<th>5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY</th>
<th>6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)</th>
<th>7. PHOTO HYDRO STATIONS</th>
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</thead>
<tbody>
<tr>
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<table>
<thead>
<tr>
<th>8. BENCH MARKS</th>
<th>9. PLOTTING OF SEXTANT FIXES</th>
<th>10. PHOTOGRAMMETRIC PLOT REPORT</th>
<th>11. DETAIL POINTS (Not for Hydro)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>XX</td>
<td>LON, Jr.</td>
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</table>

**ALONGSHORE AREAS (Nautical Chart Data)**

<table>
<thead>
<tr>
<th>12. SHORELINE</th>
<th>13. LOW-WATER LINE</th>
<th>14. ROCKS, SHOALS, ETC.</th>
<th>15. BRIDGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>LON, Jr.</td>
<td>XX</td>
<td>LON, Jr.</td>
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<table>
<thead>
<tr>
<th>16. AIDS TO NAVIGATION</th>
<th>17. LANDMARKS</th>
<th>18. OTHER ALONGSHORE PHYSICAL FEATURES</th>
<th>19. OTHER ALONGSHORE CULTURAL FEATURES</th>
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</thead>
<tbody>
<tr>
<td>XX</td>
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**PHYSICAL FEATURES**

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<thead>
<tr>
<th>20. WATER FEATURES</th>
<th>21. NATURAL GROUND COVER</th>
<th>22. PLANETABLE CONTOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LON, Jr.</td>
<td>NA</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>23. STEREOGRAPHIC INSTRUMENT CONTOURS</th>
<th>24. CONTOURS IN GENERAL</th>
<th>25. SPOT ELEVATIONS</th>
<th>26. OTHER PHYSICAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>XX</td>
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</tbody>
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**CULTURAL FEATURES**

<table>
<thead>
<tr>
<th>27. ROADS</th>
<th>28. BUILDINGS</th>
<th>29. RAILROADS</th>
<th>30. OTHER CULTURAL FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>LON, Jr.</td>
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**BOUNDARIES**

<table>
<thead>
<tr>
<th>31. BOUNDARY LINES</th>
<th>32. PUBLIC LAND LINES</th>
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<td>NA</td>
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</table>

**MISCELLANEOUS**

<table>
<thead>
<tr>
<th>33. GEOGRAPHIC NAMES</th>
<th>34. JUNCTIONS</th>
<th>35. LEGIBILITY OF THE MANUSCRIPT</th>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>36. DISCREPANCY OVERLAY</th>
<th>37. DESCRIPTIVE REPORT</th>
<th>38. FIELD INSPECTION PHOTOGRAPHS</th>
<th>39. FORMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LON, Jr.</td>
<td>LON, Jr.</td>
<td>XX</td>
<td>LON, Jr.</td>
</tr>
</tbody>
</table>

**REVIEWER**

|------------------------|-------------|----------------------|

**REMARKS (See attached sheet)**

**FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT**

- 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.

**COMPILED BY**

Fay T. Mauldin 17 Dec 1975

**SUPERVISOR**

Albert C. Rauck, Jr.

Reviewed by: A. L. Shands 27 Jan 1976

Albert C. Rauck, Jr.

**REMARKS**

43. See Form 76-36C, History of Field Operations, Field Edit Item #8
FIELD EDIT REPORT

TF-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.
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
Lt. NOAA
October 31, 1975
<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>OFFICE</th>
<th>FIELD</th>
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<tr>
<td>CRANE</td>
<td>(Crane, 1930)</td>
<td>39 15</td>
<td>12.205</td>
<td>20.625</td>
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<td>376.1</td>
<td>76 32</td>
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<td>76 31</td>
<td>233.3</td>
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<td>STACK</td>
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<td>39 15</td>
<td>53.891</td>
<td>10.311</td>
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<tr>
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<td>247.2</td>
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<tr>
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<td>08.53</td>
<td>34.06</td>
<td>F-V-Vis.  Oct. 1975</td>
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<td></td>
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<td>76 31</td>
<td>816</td>
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<tr>
<td></td>
<td>Ht. = 295(255)</td>
<td>61.6.1</td>
<td>76 31</td>
<td>923.2</td>
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<tr>
<td>Charting Name</td>
<td>Description</td>
<td>Datum</td>
<td>Method and Date of Location</td>
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</tr>
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<td>-------------</td>
<td>-------</td>
<td>----------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STACK</td>
<td>(American Zirconium Corporation, Stack, 1934) Stack destroyed.</td>
<td>39° 15' N / 76° 32' W M.</td>
<td>122° 31' E</td>
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</tr>
<tr>
<td>TANK</td>
<td>(Cape Hatteras, Black and Yellow Tank, 1934) Tank destroyed.</td>
<td>39° 16' N / 76° 32' W M.</td>
<td>122° 31' E</td>
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<tr>
<td>TANK</td>
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<td>39° 15° N / 76° 31° W</td>
<td>122° 31° E</td>
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<tr>
<td>TANK</td>
<td>Tank destroyed.</td>
<td>39° 15° N / 76° 31° W</td>
<td>122° 31° E</td>
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</tr>
</tbody>
</table>

Note: The following objects have been inspected from seaward to determine their value as landmarks.

- Stack
- Tank

See instructions on reverse side for further details.
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° 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° 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° 15.2', Long. 76° 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° 15', Long. 76° 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
Cartographer
March 7, 1977

Approved for forwarding:

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division
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.

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
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<td>12278</td>
<td>8-4-80</td>
<td>R. L. Mohr</td>
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FORM CGS-8352 SUPersedes ALL EDITIONs OF FORM CGS-970.