**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TP-00766</td>
<td>1</td>
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</table>

**Job No.**

CM-7407

**Map Classification**

FINAL, FIELD EDITED MAP

**Type of Survey**

SHORELINE

**LOCALITY**

**State**

MASSACHUSETTS

**General Locality**

BUZZARDS BAY

**Locality**

POCASSET HARBOR

**1974 TO 1980**

**REGISTERED IN ARCHIVES**

**DATE**
# NOAA Form 76-36A

## Descriptive Report - Data Record

### Photogrammetric Office
Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA

### Officer-In-Charge
Jeffrey G. Carlen, CDR

### I. Instructions Dated

<table>
<thead>
<tr>
<th>Office</th>
<th>Field</th>
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<tr>
<td>Aerotriangulation</td>
<td>March 20, 1975</td>
</tr>
<tr>
<td>Compilation</td>
<td>April 17, 1975</td>
</tr>
<tr>
<td>Memo</td>
<td>November 12, 1975</td>
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<tr>
<td>Amendment PH-6311</td>
<td>November 14, 1975</td>
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<td>Supplement I</td>
<td>December 04, 1975</td>
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<td>Supplement II</td>
<td>July 19, 1976</td>
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<td>Horizontal Control</td>
<td>January 30, 1974</td>
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<td>(Premarking)</td>
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<tr>
<td>Amendment I</td>
<td>March 08, 1974</td>
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</table>

### II. Datums

1. Horizontal: 1927 North American

2. Vertical: Mean High-Water

### III. History of Office Operations

<table>
<thead>
<tr>
<th>Operations</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Aerotriangulation</td>
<td>M. McGinley</td>
<td>April 1975</td>
</tr>
<tr>
<td>Method: Analytic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landmarks and Aids</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Control and Bridge Points</td>
<td>R. Robertson</td>
<td>April 1975</td>
</tr>
<tr>
<td>Method: Calcomp</td>
<td>R. Robertson</td>
<td>April 1975</td>
</tr>
<tr>
<td>Plotted by</td>
<td></td>
<td></td>
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<td>Checked by</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compilation</td>
<td>A. C. Rauck, Jr.</td>
<td>March 1976</td>
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<tr>
<td>Instrument: Wild B-8</td>
<td>N.A.</td>
<td></td>
</tr>
<tr>
<td>Planimetry</td>
<td>Checked by</td>
<td></td>
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<tr>
<td>Contours</td>
<td>Checked by</td>
<td></td>
</tr>
<tr>
<td>4. Manuscript Delineation</td>
<td>F. Mauldin</td>
<td>June 1976</td>
</tr>
<tr>
<td>Planimetry</td>
<td>Checked by</td>
<td></td>
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<tr>
<td>Contours</td>
<td>Checked by</td>
<td></td>
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<tr>
<td>Hydro Support Data</td>
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<td></td>
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<td>5. Office Inspection Prior to Field Edit</td>
<td>C. Blood</td>
<td>March 1978</td>
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<td>Method: Smooth drafted</td>
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<td></td>
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<tr>
<td>Scale: 1:10,000</td>
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<tr>
<td>Checked by</td>
<td></td>
<td></td>
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<td>6. Application of Field Edit Data</td>
<td>F. Marriotto/F. Mauldin</td>
<td>June 1978</td>
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<td></td>
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<td>Checked by</td>
<td></td>
<td></td>
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<tr>
<td>8. Final Review</td>
<td>J. Hancock</td>
<td>Nov. 1984</td>
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<tr>
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<td></td>
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<tr>
<td>9. Data Forwarded to Photogrammetric Branch</td>
<td>J. Hancock</td>
<td>Feb. 1985</td>
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<td>Checked by</td>
<td></td>
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<td>10. Data Examined in Photogrammetric Branch</td>
<td>T. Scholl</td>
<td>March 1975</td>
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<tr>
<td>Checked by</td>
<td></td>
<td></td>
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<td>11. Map Registered - Coastal Survey Section</td>
<td>R. L. Kornspan</td>
<td>April 1975</td>
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### Map Data

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Survey Tp.</th>
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<tr>
<td>Original</td>
<td>00766</td>
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<tr>
<td>Resurvey</td>
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<tr>
<td>Revised</td>
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1. COMPILATION PHOTOGRAPHY

<table>
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<tr>
<th>NUMBER AND TYPE</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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</thead>
<tbody>
<tr>
<td>74 C(C) 9480 - 9482</td>
<td>Apr.18,1974</td>
<td>10:33</td>
<td>1:60,000</td>
<td>0.2 ft. above MLW***</td>
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<tr>
<td>74 E(C) 4809 - 4812</td>
<td>Apr.20,1974</td>
<td>10:52</td>
<td>1:30,000</td>
<td>0.4 ft. below MLW*</td>
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<td>Apr.20,1974</td>
<td>10:52</td>
<td>1:30,000</td>
<td>0.4 ft. below MLW**</td>
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<tr>
<td>74 E(C) 4830 - 4831</td>
<td>Apr.20,1974</td>
<td>12:39</td>
<td>1:30,000</td>
<td>0.1 ft. below MLW*</td>
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<tr>
<td>74 Z(I) 9562 - 9563</td>
<td>Apr.20,1974</td>
<td>12:39</td>
<td>1:30,000</td>
<td>0.1 ft. below MLW**</td>
</tr>
</tbody>
</table>

REMARKS: *Compilation/bridging photographs. **Tide coordinated photographs at M.L.W. ***Bridging photographs.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed compilation photographs by stereo instrument methods.

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

The mean low water line was compiled graphically from the tide coordinated MLW infrared photographs.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

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<thead>
<tr>
<th>SURVEY NUMBER</th>
<th>DATE(S)</th>
<th>SURVEY COPY USED</th>
<th>SURVEY NUMBER</th>
<th>DATE(S)</th>
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5. FINAL JUNCTIONS

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<th>SOUTH</th>
<th>WEST</th>
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<tr>
<td>TP-00762</td>
<td>No survey</td>
<td>TP-00770</td>
<td>TP-00765</td>
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REMARKS
### HISTORY OF FIELD OPERATIONS

**I. FIELD INSPECTION OPERATION (PREMARKING) [ ] FIELD EDIT OPERATION**

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
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</thead>
<tbody>
<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>R. Tibbetts</td>
<td>April 1974</td>
</tr>
<tr>
<td>2. HORIZONTAL CONTROL</td>
<td>R. Tibbetts</td>
<td>April 1974</td>
</tr>
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<td>3. VERTICAL CONTROL</td>
<td>L. Davis</td>
<td>April 1974</td>
</tr>
<tr>
<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
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**II. SOURCE DATA**

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<tr>
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<table>
<thead>
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<th>STATION DESIGNATION</th>
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<td>74C(C) 9480</td>
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<table>
<thead>
<tr>
<th>PHOTO NUMBER</th>
<th>OBJECT NAME</th>
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### NOAA FORM 78-36C

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-076*
HISTORY OF FIELD OPERATIONS

1. FIELD INSPECTION OPERATION
   OPERATION                          NAME      DATE
   1. CHIEF OF FIELD PARTY           R. Tibbetts July 1977
   2. HORIZONTAL CONTROL             H. V. Hart July 1977
   3. VERTICAL CONTROL               NONE      July 1977
   4. LANDMARKS AND AIDS TO NAVIGATION
      RECOVERED (Triangulation Stations)
      IDENTITY BY
      LOCATION (Field Methods)         NONE
      IDENTIFIED BY
   5. GEOGRAPHIC NAMES INVESTIGATION
      TYPE OF INVESTIGATION
      COMPLETE
      SPECIFIC NAMES ONLY
      NO INVESTIGATION
   6. PHOTO INSPECTION                H. V. Hart July 1977
      CLARIFICATION OF DETAILS BY
   7. BOUNDARIES AND LIMITS           N.A.
      SURVEYED OR IDENTIFIED BY

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
   PHOTO NUMBER          STATION NAME
   None

2. VERTICAL CONTROL IDENTIFIED
   PHOTO NUMBER          STATION DESIGNATION
   None

3. PHOTO NUMBERS (Clarification of details)
   74 E(G) 4810 thru 4813 and 4830 (Black/White Ratios)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
   PHOTO NUMBER          OBJECT NAME
   None

5. GEOGRAPHIC NAMES:
   REPORT      NONE

6. BOUNDARY AND LIMITS:
   REPORT      NONE

7. SUPPLEMENTAL MAPS AND PLANS
   New dock facilities at Cataumet, Marina and Independence Yacht Club (Sketches)

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)
   1 Paper Field Edit Print
   1 Field Edit Report
   3 Forms 76-40
### HISTORY OF FIELD OPERATIONS

1. **FIELD INSPECTION OPERATION**
   - **NAME:** R. Tibbetts
   - **DATE:** Sept. 1980

<table>
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<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>R. Tibbetts</td>
<td>Sept. 1980</td>
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<td>2. HORIZONTAL CONTROL</td>
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<td>3. VERTICAL CONTROL</td>
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2. **FIELD EDIT OPERATION (SUPPLEMENTAL FIELD EDIT)**

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<tr>
<td>5. GEOGRAPHIC NAMES</td>
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<td>6. PHOTOPHOTIC INSPECTION</td>
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<td>7. BOUNDARIES AND LIMITS</td>
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3. **SOURCE DATA**

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<tr>
<th>PHOTO NUMBER</th>
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4. **PHOTO NUMBERS (Clarification of details)**

   74 E(C) 4809 thru 4811 (Color Ratios)

5. **SUPPLEMENTAL MAPS AND PLANS**

   None

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

   - 1 Film Field Edit Print
   - 1 Field Edit Report
   - 1 Form 76-40
   - 1 Form 76-52 (Horizontal Field Book)
NOAA FORM 76-36D

I. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>DATA COMPILED</th>
<th>DATE</th>
<th>REMARKS</th>
<th>DATE MANUSCRIPT FORWARDED</th>
<th>MARINE CHARTS</th>
<th>HYDRO SUPPORT</th>
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<tbody>
<tr>
<td>Compilation complete pending field edit</td>
<td>June 1976</td>
<td>Class III manuscript SUPERSEDED</td>
<td>July 1976</td>
<td>June 1976</td>
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<td>Field edit applied, compilation complete</td>
<td>May 1978</td>
<td>Class I manuscript SUPERSEDED</td>
<td>June 1978</td>
<td>May 1978</td>
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<tr>
<td>1980 Field edit applied, compilation complete</td>
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<td>Class I manuscript SUPERSEDED</td>
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II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

<table>
<thead>
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<th>CHART LETTER NUMBER ASSIGNED</th>
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<tbody>
<tr>
<td>1</td>
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<td>May 22, 1980</td>
<td>Landmarks for charts.</td>
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<tr>
<td>2</td>
<td></td>
<td>May 22, 1980</td>
<td>Aids for charts.</td>
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<tr>
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<td>March 1985</td>
<td>Landmarks</td>
</tr>
<tr>
<td>2</td>
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<td>March 1985</td>
<td>Aids</td>
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2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED:

3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED:

III. FEDERAL RECORDS CENTER DATA

1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS 121-58 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>SECOND EDITION</th>
<th>SURVEY NUMBER</th>
<th>JOB NUMBER</th>
<th>TYPE OF SURVEY</th>
<th>MAP CLASS</th>
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<tbody>
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<td></td>
<td>TP - (2)</td>
<td>PH</td>
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<tr>
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<td>DATE OF PHOTOGRAPHY</td>
<td>DATE OF FIELD EDIT</td>
<td>RESURVEY</td>
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<td>THIRD EDITION</td>
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<td>DATE OF FIELD EDIT</td>
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<td>DATE OF FIELD EDIT</td>
<td>RESURVEY</td>
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NOAA FORM 76-36D
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00776

This 1:10,000 scale final shoreline map is one of seventeen maps that comprise project CM-7407, Buzzards Bay, Massachusetts. The project consists of sixteen 1:10,000 scale maps (TP-00761 thru TP-00776) and one 1:5,000 scale inset map (TP-00695).

The purpose of this map was to furnish support for hydrographic activity scheduled in the spring of 1976 and to provide current shoreline data for nautical charts.

This map features a portion of the eastern shoreline in Buzzards Bay from Scraggy Neck to the southern entrance of Cape Cod Canal.

Photo coverage for the project was adequately provided in 1974 with 1:60,000 scale, 1:30,000 scale and 1:15,000 scale color photographs. The 1:60,000 scale photographs were taken with the RC-10 "C" camera for aerotriangulation. The 1:30,000 scale photographs were taken with the RC-8 "B" camera for aerotriangulation and compilation. The 1:15,000 scale photographs were taken with the RC-10 "Z" camera and were used to bridge and compile inset map TP-00695. Supplemental tide coordinated infrared photographs at 1:30,000 scale were taken on black-and-white film at mean low water with the RC-10 "Z" camera. Photo coverage used to produce this map included the 1:30,000 scale compilation photos and the 1:30,000 MLW infrared photos, both taken April 1974.

Field work prior to compilation consisted of the recovery, establishment and identification, by premarking methods, of horizontal control necessary for aerotriangulation. Also, the field party was responsible for assisting in obtaining the tide coordinated aerial photography. This activity was performed April 1974.

Analytic aerotriangulation was adequately provided by the Washington Science Center April 1975. This activity also included ruling the base manuscripts and providing ratio photographs for compilation.

Compilation by office interpretation of the 1:30,000 scale color photographs was performed at the Coastal Mapping Section, Atlantic Marine Center in June 1976. The MLW tide coordinated infrared photographs were ratioed to map scale and were used to graphically delineate the MLW line. Copies of the Class III manuscript and applicable source data were forwarded to the field for edit.

A Class III map print was forwarded to the hydrographer in support of contemporary hydrographic operations. The hydro survey common to this map, H-9712, was field accomplished but is unprocessed and currently in an inactive status.
Field edit was conducted July 1977 and application of this data was accomplished at the original compilation office May 1978. Additional field edit was performed September 1980 and this data was applied May 1981. After the application of the original field edit data was performed, the manuscript was advanced to Class I and copies were forwarded to the Hydrographic Surveys Branch and the Marine Charts Branch. No copies reflecting the supplemental 1980 edit were submitted.

Final review was performed at the Atlantic Marine Center in November 1984. A final Chart Maintenance Print and a Hydrographic Print were prepared and forwarded to the Marine Charts Branch and the Hydrographic Surveys Branch.

The Descriptive Report for this final field edited map contains all pertinent information used to produce this map. The original base manuscript and related data were forwarded to the Washington Science Center for final registration.
FIELD INSPECTION

TP-00766

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification by premarking methods of the horizontal control necessary for the aerotriangulation of the project.
21. **Area Covered**

This project covers the shoreline of Buzzards Bay and the Elizabeth Islands. Included are seventeen T-sheets. Sheets TP-00761 thru TP-00776 are 1:10,000 scale and TP-00695 is 1:5,000 scale.

All sheets have the Massachusetts State Grid (Mainland Zone) intersections plotted.

22. **Method**

Four strips of color photography were bridged on the Wild STK-1 in order to obtain compilation and pass-point positions and exact scale ratios to be used during compilation.

Strip 1 (1:60,000-scale) was adjusted on five field-identified triangulation stations with twenty-two additional triangulation stations and tie points as checks. Strip 2 (1:60,000-scale) was adjusted on three field-identified triangulation stations and one tie point with fourteen additional triangulation stations and tie points as checks. Strip 3 (1:30,000-scale) was adjusted on five field identified triangulation stations with sixteen additional triangulation stations and tie points as checks. Strip 4 (1:15,000-scale) was adjusted on four office identified triangulation stations with six additional triangulation stations and tie points as checks. All adjustments were performed on the IBM 6600. All sheets were ruled and plotted on the Calcomp.

1:10,000-scale ratios were ordered for the entire project.
1:5,000-scale ratios were also ordered for the area covered by T-sheet TP-00695.

The panel for Nobska Point Lighthouse 1904 could not be held in the adjustments. A distance was not recorded on the Control Station Identification form at the time of the field work, but was furnished by the Norfolk Office at a later date. It is believed an error in this distance is the cause for the point not holding in the strip adjustments.

The center panel of the target for Goosberry Neck 2 (USE) 1934 was not in place at the time of photography. Only the three legs were visible.
Neither one of the two field-identified substitute points for USE 6 1934 could be found on the 1:15,000-scale bridging photography (Strip 4).

All other horizontal control utilized in the adjustments held within National Map Accuracy.

24. **Supplemental Data**

Vertical control for bridging only was obtained from local USGS quadrangles.

25. **Photography**

Photography was adequate as to overlap and coverage.

Submitted by:

Michael L. McGinley

Approved by:

John D. Perrow, Jr.
Chief, Aerotriangulation Section
COMPILATION REPORT
TP-00766

31 - Delineation

Delineation was accomplished using stereo instrument and graphic compilation methods. The Wild B-8 plotter was used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:30,000 scale bridging/compilation color photographs.

Mean low water tide coordinated infrared photographs at 1:30,000 scale were ratioed to map scale in order to graphically compile the low water features.

All photographs used to compile this map are listed on NOAA Form 76-36B. The photography was adequate.

32 - Control

Refer to the Photogrammetric Plot Report dated April 1975.

33 - Supplemental Data

None.

34 - Contours and Drainage

Contours are not applicable to this project. Drainage was compiled by office interpretation of the photographs.

35 - Shoreline and Alongshore Details

The MHW line and alongshore detail were compiled from office interpretation of the 1:30,000 scale compilation photographs as described in item #31.

36 - Offshore Details

Offshore detail was compiled by instrument and graphic methods as described in item #31.

37 - Landmarks and Aids

Work copies of forms 76-40 were prepared and forwarded to the field editor for verification, location and/or deletion.

38 - Control for Future Surveys

None.
39 - JUNCTIONS

Refer to the Data Record Form 76-36B, Item 5.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated April 1975.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey Quadrangles: Onset, MA, scale 1:24,000, dated 1967; and Pocasset, MA, scale 1:24,000, dated 1967.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey Charts: 13229, scale 1:40,000, 11th edition, dated January 18, 1975; 13230, scale 1:40,000, 26th edition, dated November 2, 1974; and 13236, scale 1:20,000, 18th edition, dated October 12, 1974.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

Fay T. Mauldin
Cartographer
June 1976

Approved,

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section
ADDENDUM TO THE COMPILATION REPORT

TP-00766

FIELD EDIT

The original field edit was accomplished July 1977 by a coastal mapping field photo party. During application of this data, it became apparent that additional field data was necessary. A supplemental field edit was performed September 1980 in order to resolve discrepancies and omissions involving the previous edit.
GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7407 (Buzzards Bay and Elizabeth Islands, Massachusetts)

TP-00766

Agawam Point
Back River
Barlows Landing
Bass Cove
Bass Creek
Bassets Island
Bay Colony (RR)
Bennets Neck
Bourne
Broad Cove
Burgess Point
Butler Cove
Buzzards Bay
Buzzards Bay (locality)
Cape Cod Canal
Cataumet
Cataumet Marina (cultural)
Cedar Island Point
Codman Point
Cohasset Narrows
East River
Eel Pond
Gray Gables (locality)
Great Neck
Handy Point
Hen Cove
Hog Island
Hog Neck
Hospital Cove
Jacobs Neck
Long Neck
Long Point
Mashpee Island
Mill Pond
Monument Beach (locality)
Mooring Basin
Muddy Cove
Northwest Cove
Onset
Onset Bay
Onset Island
Patuisset
Peters Neck
Phinneys Harbor
Phinneys Point
Pleasant Harbor
Pocasset
Pocasset Harbor
Pocasset River
Point Independence (locality)
Point Independence Yacht Club (cultural)
Red Brook
Red Brook Harbor
Red Brook Pond
Rocky Point
Scraggy Neck
Shell Point
Shop Pond
Sias Point
Stony Point
Stony Point Dike
Taylors Point
The Anchorage
The Widows Cove
Tobys Island
Wickets Island
Wings Cove
Wings Neck

Approved by:

Charles E. Harrington
Chief Geographer
Nautical Charting Division
This sheet was field edited during the 1977 summer season.

52. Adequacy of Compilation - The compilation on this sheet appears good with only minor additions, deletions and corrections needed to insure the adequacy of charting compilation.

54. Recommendations - None.

56. Shoreline and Along Shore Features - All changes, additions, and deletions are indicated on the Field Edit Ozalid and photo number are given where necessary for cross reference. The piles in Onset Bay were not found and were probably mooring buoys as in the case of the compiled piles in Red Brook Harbor. The dolphins in Cape Cod Canal south of the Rail Road Bridge were indicated as rocks on the field edit sheet have been destroyed by the ice of January 1977 and replacements are planned however not before the completion of project. An extension to the dock facilities in Red Brook Harbor at Catument Marina should be added as specified by the attached supplement detailing the dimensions. A dock was added to the West end of Independence Yacht Club in Onset Bay. See supplement attachment layout details. Rock information was noted on photos 74B4812, 74B4811, 74B4830, 74B4810 and was not cross referenced to field edit ozalid due to the extremely rocky coastline.

57. Offshore Features - Bustis Rock is not visible at low water and must be located by the hydrographers. A black and red buoy marks the rock.

58. Landmarks and Aids - Forms 76-40 are submitted for all fixed aids to navigation. Due to the severe winter of 1976 ice in the bay razed several of the Hog Island Channel Lights. Lights number 5 and 6 were replaced with buoys by the Coast Guard. Light number 7 was replaced in its original position and is permanent. Cleveland Ledge Channel Rear Range Light was located by intersection and checks with the plotted photogrammetric position. Forms 76-40 are submitted for all landmarks. The Nye's Neck Water Tank 1910 is no longer a water tank and has been converted to a private lookout tower.

59. General Statement - All field edit notes have been made in violet ink on the field edit sheet and the photographs.

Howard V. Hart Jr.
Surveying Technician
51. METHODS

This report is submitted for the field edit of rocks which were omitted by previous field edit and hydrographic surveys.

The field edit of rocks was performed according to instructions attached to the field edit sheet. Methods used were as prescribed in the National Ocean Survey Operations Manual. Where possible and accurate, a line was drawn offshore to indicate a foul limit.

The field edit of rocks and descriptive notes appear on the field edit sheet and the color photography.

One aid to navigation previously omitted by field edit has been verified, the appropriate NOAA form 76-40 is included.

52. ADEQUACY OF COMPLIATION

Adequate pending completion of rocks.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Approved & Forwarded

Robert J. Tibbetts
Chief., Photo Party '62

Submitted

Clifton S. Middleton, Jr.
Surveying Technician
61. GENERAL STATEMENT

Final review for this final field edited map was accomplished at the Atlantic Marine Center in November 1984. For a schedule of office and field operations, refer to the Summary included in this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

None.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following 1:24,000 scale U.S. Geological Survey quads: Onset, MA, dated 1967; and Pocasset, MA, dated 1967.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Contemporary hydrographic activity common to this map was assigned as hydro survey H-9712. The survey was physically accomplished; however, the field data is currently unprocessed and the completion date is unscheduled.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 13236, 22nd edition, 1:20,000 scale, dated March 10, 1984; 13229, 20th edition, 1:40,000 scale, dated March 24, 1984; and 13230, 34th edition, 1:40,000 scale, dated March 10, 1984.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Submitted by,

Jerry L. Hancock
Jerry L. Hancock
Final Reviewer

Approved for forwarding,

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,

Chief, Photogrammetric Section, Rockville

Ronald K. Brewer
Chief, Photogrammetry Branch, Rockville
<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIGHT</td>
<td>Hog Island Channel Light #7</td>
<td>41 42 885 70 39</td>
<td>28.69 22.40</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Hog Island Channel Light #8</td>
<td>41 42 802 70 39</td>
<td>26.0 13.0</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Hog Island Channel Light #9</td>
<td>41 42 1818 70 38</td>
<td>58.93 53.99</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Hog Island Channel Light #11</td>
<td>41 43 856 70 38</td>
<td>47.75 27.26</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Hog Island Channel Light #12</td>
<td>41 43 762 70 38</td>
<td>24.70 122.9</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Hog Island Channel Light #18</td>
<td>41 44 362 70 37</td>
<td>-11.73 23.97</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Hog Island Channel Light #20</td>
<td>41 44 594 70 37</td>
<td>19.25 10.39</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Phinney's Harbor Channel Light #9</td>
<td>41 42 489 70 37</td>
<td>-15.85 -58.48</td>
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<tr>
<td>LIGHT</td>
<td>Cleveland Ledge Channel Range Rear Light</td>
<td>41 43 90 70 39</td>
<td>.02 .92 .55 .63</td>
</tr>
</tbody>
</table>

* This position is from Mr. Kelly of the 1st District USCG Boston Area. Rebuilt due to ice conditions winter 1977-78. Position acquired on May 4, 1978.
by photogrammetric methods.

Field positions are determined by field observer.

v1. Position verified visually on photogaph.

Example: 74L (c) 2982
8-12-75
EXAMPLE: P-6-75

v2. Position determined from field work.

Example: 75E (c) 6042
Identity position of object is located to the object.

Field positions are determined by field observer.

v1. Position verified visually on photograph.

Example: Y-15, Y-4, Y-V' and date.

Field positions are dependent on part of control established.

Field positions are determined by field observer.

Example: Y-15, Y-4, Y-V' and date.

Field positions are dependent on part of control established.

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<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>* DAYBEACON</td>
<td>Buttermilk Bay Approach Daybeacon 9</td>
<td>41 44 1029 70 37 1036</td>
<td></td>
</tr>
</tbody>
</table>

* This day mark was not verified or otherwise reported by the field editor. However, a phone call to Mr. Kelly of the First District Coast Guard verified its position and existence and our compilation office position. March 6, 1978.

** Hog Island Channel Light #5 | 41 41 1746 70 39 1207 |
** Hog Island Channel Light #6 | 41 41 1617 70 39 1022 |

**These positions are from Mr. Kelly of 1st District USCG, Boston Area. They are rebuilt due to ice conditions winter 1976-77. Position acquired on May 4, 1978.
By photogrammetric methods, field positions are determined by field operator.

**EXAMPLE: F-2-6-L**

1. Field position determined by method of triangulation.
2. Field identified
3. Intersection
4. Rectification
5. Thematic
6. Manually
7. Visually
8. Locating

Example: 75-0927.

1. Office determined and located objects
2. Office identified and located objects
3. Office reviewed
4. Office reviewed and final review

C. Blood

**FUNCTIONS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP**

- Field Activity Representative
- Other (Specify)
- Geodetic Party
- Photographic Party
- Photographic Field Party

**RESPONSIBLE PERSONNEL**

- Name
- Type of Action
<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>METHOD AND DATE OF LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOWER**</td>
<td>Abandoned Light House (Wings Neck Lighthouse, 1904)(private residence now)</td>
<td>41 40'</td>
<td>70 39'</td>
<td>April 20, 1974</td>
</tr>
<tr>
<td>TANK**</td>
<td>Monument Beach Tank HT = 244 (344) ft.</td>
<td>41 43'</td>
<td>70 36'</td>
<td>April 20, 1974</td>
</tr>
<tr>
<td>TANK</td>
<td>Tank East of Redbrook Harbor HT = 244 (305) ft.</td>
<td>41 40'</td>
<td>70 36'</td>
<td>April 20, 1974</td>
</tr>
<tr>
<td>CUPOLA (N.E.)</td>
<td></td>
<td>41 44'</td>
<td>70 37'</td>
<td>April 20, 1974</td>
</tr>
<tr>
<td>CUPOLA (S.W.)</td>
<td></td>
<td>41 44'</td>
<td>70 37'</td>
<td>April 20, 1974</td>
</tr>
<tr>
<td>TOWER**</td>
<td>(South) Railroad Bridge</td>
<td>41 44'</td>
<td>70 36'</td>
<td>April 20, 1974</td>
</tr>
<tr>
<td>TOWER**</td>
<td>(North) Railroad Bridge</td>
<td>41 44'</td>
<td>70 36'</td>
<td>April 20, 1974</td>
</tr>
<tr>
<td>TOWER**</td>
<td>Water Tower</td>
<td>41 44'</td>
<td>70 37'</td>
<td>April 20, 1974</td>
</tr>
</tbody>
</table>

**Another tower (steel structure) approx. 160 ft. N.W. of the abandoned lighthouse is the structure for the radar unit which is considered the control tower; approx. 20 ft. west of the radar unit is the traffic light structure.
By photogrammetric methods.

1. Position verified visually on photograph.

2. Example: V-15, and date.

3. Example: 8-12-75

4. Example: R-12-75

5. Example: 8-12-75


11. Position determined by field operator.

12. Field positions are determined by field operator.

Instructions for entries under method and date of location.:

<table>
<thead>
<tr>
<th>Representative</th>
<th>Activities</th>
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<tbody>
<tr>
<td>Quality Control and Review Group</td>
<td>Form Orginated by Quality Control</td>
</tr>
<tr>
<td>Office Activity Representative</td>
<td>Field Activity Representative</td>
</tr>
<tr>
<td>Other (specify)</td>
<td>Administrative Party</td>
</tr>
<tr>
<td>Geodetic Party</td>
<td>H. Hart</td>
</tr>
<tr>
<td>Hydrographic Party</td>
<td>Field Footprint</td>
</tr>
</tbody>
</table>

Effective 1-9-76.
**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 Rev

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>Full Part Before After Verification Review Inspection Signed Via Drawing No.</td>
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