

NOAA FORM 76-35
(6-80)

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

DESCRIPTIVE REPORT

<i>Map No.</i> TP-00768	<i>Edition No.</i> 1	
<i>Job No.</i> CM-7407		
<i>Map Classification</i> FINAL, FIELD EDITED MAP		
<i>Type of Survey</i> SHORELINE		
LOCALITY		
<i>State</i> MASSACHUSETTS		
<i>General Locality</i> BUZZARDS BAY		
<i>Locality</i> NASKETUCKET BAY		
<table border="1"><tr><td>19₇₄ TO 19₇₇</td></tr></table>		19 ₇₄ TO 19 ₇₇
19 ₇₄ TO 19 ₇₇		
REGISTERED IN ARCHIVES		
DATE		

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. <div style="text-align: center;">DESCRIPTIVE REPORT - DATA RECORD</div>	TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00768</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>FINAL</u> JOB <u>PH. CM-7407</u>		
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Norfolk, VA Atlantic Marine Center OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR	<div style="text-align: center;">LAST PRECEDING MAP EDITION</div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"> TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </td> <td style="width:50%;"> JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ </td> </tr> </table>		TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
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 March 20, 1975 Compilation April 17, 1975 Memo November 12, 1975 Amendment PH-6311 November 14, 1975 Supplement I December 04, 1975 Supplement II July 19, 1976	Horizontal Control January 30, 1974 (Premarking) Amendment I March 08, 1974			
II. DATUMS				
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN	OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL	OTHER (Specify)			
3. MAP PROJECTION	4. GRID(S)			
Lambert Conformal	STATE Massachusetts	ZONE Mainland		
5. SCALE 1:10,000	STATE	ZONE		
III. HISTORY OF OFFICE OPERATIONS				
OPERATIONS	NAME	DATE		
1. AEROTRIANGULATION BY M. McGinley April 1975 METHOD: Analytic LANDMARKS AND AIDS BY				
2. CONTROL AND BRIDGE POINTS PLOTTED BY R. Robertson April 1975 METHOD: Calcomp CHECKED BY R. Robertson April 1975				
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY L. Neterer Feb. 1976 COMPILATION' CHECKED BY A. Rauck Feb. 1976 INSTRUMENT: Wild B-8 SCALE: 1:10,000 CONTOURS BY N.A. CHECKED BY N.A.				
4. MANUSCRIPT DELINEATION PLANIMETRY BY F. Mauldin March 1976 CHECKED BY A. Shands March 1976 METHOD: Smooth drafted CONTOURS BY N. A. CHECKED BY N. A. SCALE: 1:10,000 HYDRO SUPPORT DATA BY F. Mauldin March 1976 CHECKED BY A. Shands March 1976				
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY A. Shands March 1976				
6. APPLICATION OF FIELD EDIT DATA BY I. Perkinson March 1980 CHECKED BY F. Margiotta May 1980				
7. COMPILATION SECTION REVIEW BY F. Margiotta May 1980				
8. FINAL REVIEW BY J. Hancock Dec. 1984				
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY J. Hancock Feb. 1985				
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY J. Schad March 1985				
11. MAP REGISTERED - COASTAL SURVEY SECTION BY R. Kornspan April 1985				

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) E=152.71mm, C=88.47mm, Z=153.14mm Wild RC-8"E", RC-10"C", RC-10"Z"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Eastern	
				MERIDIAN	
				75th	
				<input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74C(C) 9469 ✓	Apr. 18, 1974	10:16	1:60,000	0.2 ft. above MLW ***	
74E(C) 6983-6986 ✓	Oct. 18, 1974	12:13	1:15,000	1.9 ft. above MLW *	
74E(C) 4748-4751 ✓	Apr. 18, 1974	11:11	1:30,000	0.4 ft. above MLW *	
74Z(I) 9591-9594 ✓	Apr. 20, 1974	13:14	1:30,000	0.18 ft. above MLW **	
74Z(I) 9566-9570 ✓	Apr. 20, 1974	12:50	1:30,000	0.03 ft. above MLW **	
74E(C) 4833-4837 ✓	Apr. 20, 1974	12:50	1:30,000	0.03 ft. above MLW *	

REMARKS *Compilation/bridging photographs. **Tide coordinated photographs at MLW.
***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.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED
H-9644	field surveyed Sept. 1976	unregistered copy			

5. FINAL JUNCTIONS

NORTH TP-00763	EAST TP-00769	SOUTH No survey	WEST TP-00767 TP-00695 (1:5,000 inset)
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REMARKS Inset Map TP-00695 lies partially within the limits of this map and TP-00767.

3A

TP-00768

HISTORY OF FIELD OPERATIONS

1. FIELD INSPECTION OPERATION (Premarking) FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	April 1974
2. HORIZONTAL CONTROL	RECOVERED BY	R. Tibbetts
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	L. Davis
3. VERTICAL CONTROL	RECOVERED BY	None
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	None
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (<i>Triangulation Stations</i>) BY	R. Tibbetts
	LOCATED (<i>Field Methods</i>) BY	None
	IDENTIFIED BY	None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE	
	<input type="checkbox"/> SPECIFIC NAMES ONLY	
	<input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N. A.

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
Paneled		None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
74C(C)9468	WALCOTT, USE 1934 (Sub. Pt. paneled)		

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 NONE

6. BOUNDARY AND LIMITS: REPORT NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

2 Forms 76-53

HISTORY OF FIELD OPERATIONS

1. FIELD INSPECTION OPERATION FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibets	May 1976
2. HORIZONTAL CONTROL	RECOVERED BY	L. Davis
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	None
3. VERTICAL CONTROL	RECOVERED BY	None
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	None
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY	L. Davis
	LOCATED (Field Methods) BY	None
	IDENTIFIED BY	None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE BY	
	<input type="checkbox"/> SPECIFIC NAMES ONLY	
	<input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. Tibbetts
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.

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)
74E(C) 4833-4835, 4748, 4749, 4788 (Black/white, 1:10,000 scale ratios.)
74E(C) 6983 (Black/white, 1:5,000 scale ratio)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: REPORT NONE

6. BOUNDARY AND LIMITS: REPORT NONE

7. SUPPLEMENTAL MAPS AND PLANS
None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)
None

3C

HISTORY OF FIELD OPERATIONS

I. <input type="checkbox"/> FIELD INSPECTION OPERATION		<input checked="" type="checkbox"/> FIELD EDIT OPERATION (Supplemental)	
OPERATION	NAME	DATE	
1. CHIEF OF FIELD PARTY	R. Tibbetts	July 1977	
2. HORIZONTAL CONTROL	RECOVERED BY	R. Tibbetts	July 1977
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY	R. Tibbetts	July 1977
	LOCATED (Field Methods) BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION		
	<input type="checkbox"/> COMPLETE		
	<input type="checkbox"/> SPECIFIC NAMES ONLY		
	<input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	L. H. Davis	July 1977
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N. A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None		None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)
74E(C)4834, 4835 (Black/white 1:10,000 scale ratios)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: REPORT NONE

6. BOUNDARY AND LIMITS: REPORT NONE

7. SUPPLEMENTAL MAPS AND PLANS
None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)
Field edit report
2 Field edit paper prints
2 pages of fix data for "Little Black Rock"
(3 Forms 76-40 submitted by same field party Sept. 1979)

TP-00768
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.	March 1976	Class III Manuscript Superseded	July 1976	April 1976
Field edit applied Compilation complete	May 1980	Class I Manuscript Superseded	May 1980	May 1980
Final Review	Dec. 1984	Final Map	March 1985	March 1985

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER (pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		May 1980	Landmarks to be charted
1		May 1980	Aids to be charted
1		May 1980	Aids to be deleted

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 ⁷⁶⁻⁴⁰ ~~3072~~ SUBMITTED BY FIELD PARTIES.
- 3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

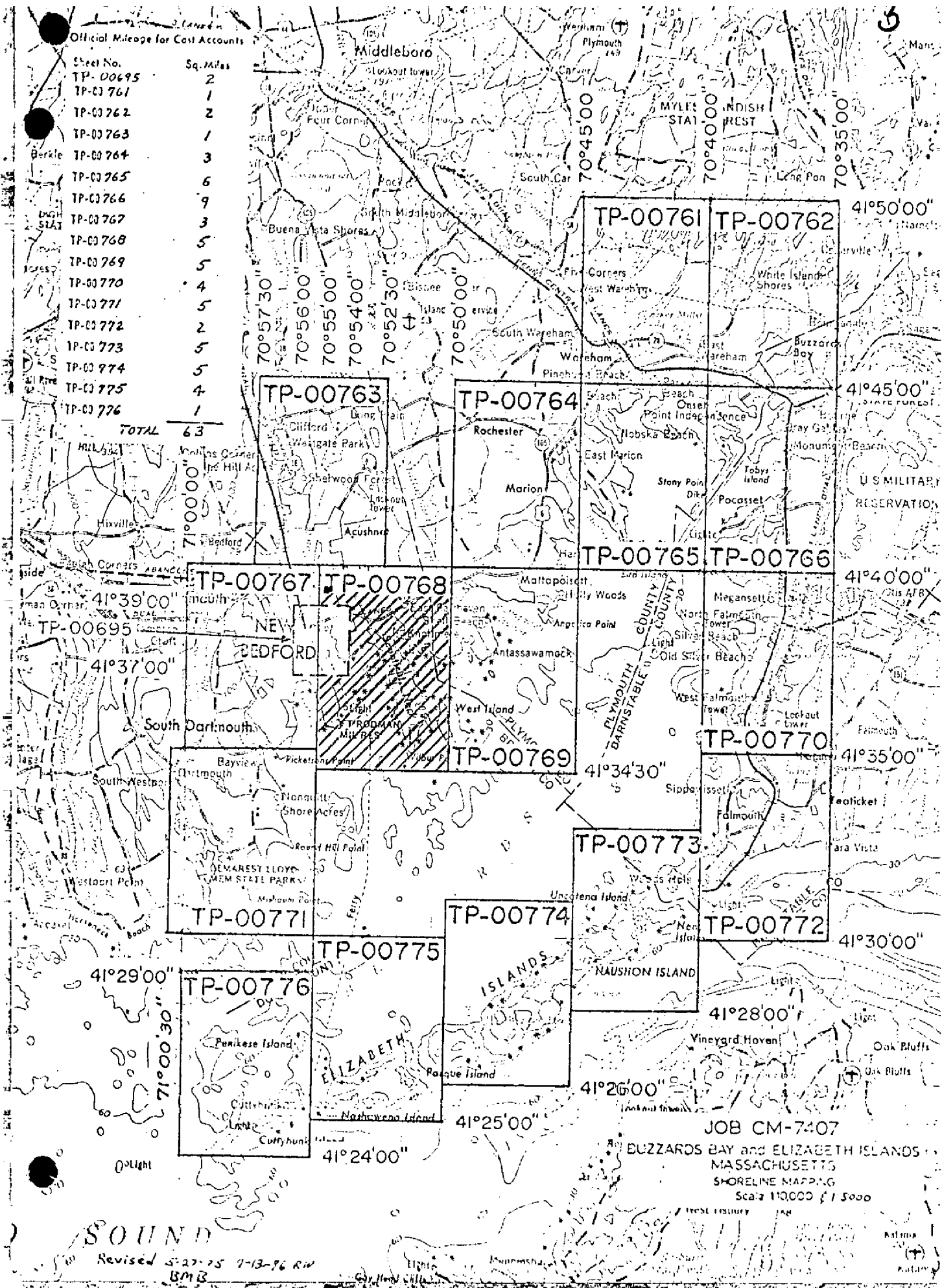
4. DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

Official Mileage for Cost Accounts

Sheet No.	Sq. Miles
TP-00695	2
TP-00761	2
TP-00762	2
TP-00763	1
TP-00764	3
TP-00765	6
TP-00766	9
TP-00767	3
TP-00768	5
TP-00769	5
TP-00770	4
TP-00771	5
TP-00772	2
TP-00773	5
TP-00774	5
TP-00775	4
TP-00776	1
TOTAL	63



SOUND

Revised 5-27-75 7-13-76 RW
BMB

JOB CM-7407
BUZZARDS BAY and ELIZABETH ISLANDS
MASSACHUSETTS
SHORELINE MAPPING
Scale 1:10,000 @ 1:5000

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00768

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 portrays a portion of shoreline along the northern coast of Buzzards Bay from Clarks Point to Nasketucket Bay.

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 "Z" camera for aerotriangulation. The 1:30,000 scale photographs were taken with the RC-8 "E" 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 1:15,000 scale compilation photos taken October 1974. Additional photography 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 March 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. Two hydrographic surveys common to this map are H-9628 and H-9644. Although both surveys were physically accomplished, only H-9644 was processed, but is currently unregistered. A comparison with H-9644 did not reveal any significant shoreline discrepancies.

TP-00768

Field edit was conducted May 1976 and July 1977 by coastal mapping field personnel. Additional field data concerning landmarks and fixed navigational aids were collected September 1979. Application of all edit data was accomplished at the original compilation office May 1980 and the manuscript was advanced to Class I. Copies of the Class I manuscript were forwarded to the Hydrographic Surveys Branch and the Marine Charts Branch.

Final review was performed at the Atlantic Marine Center in December 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-00768

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.

PHOTOGRAMMETRIC PLOT REPORT
JOB CM-7407
Buzzards Bay, Massachusetts
April 1975

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.

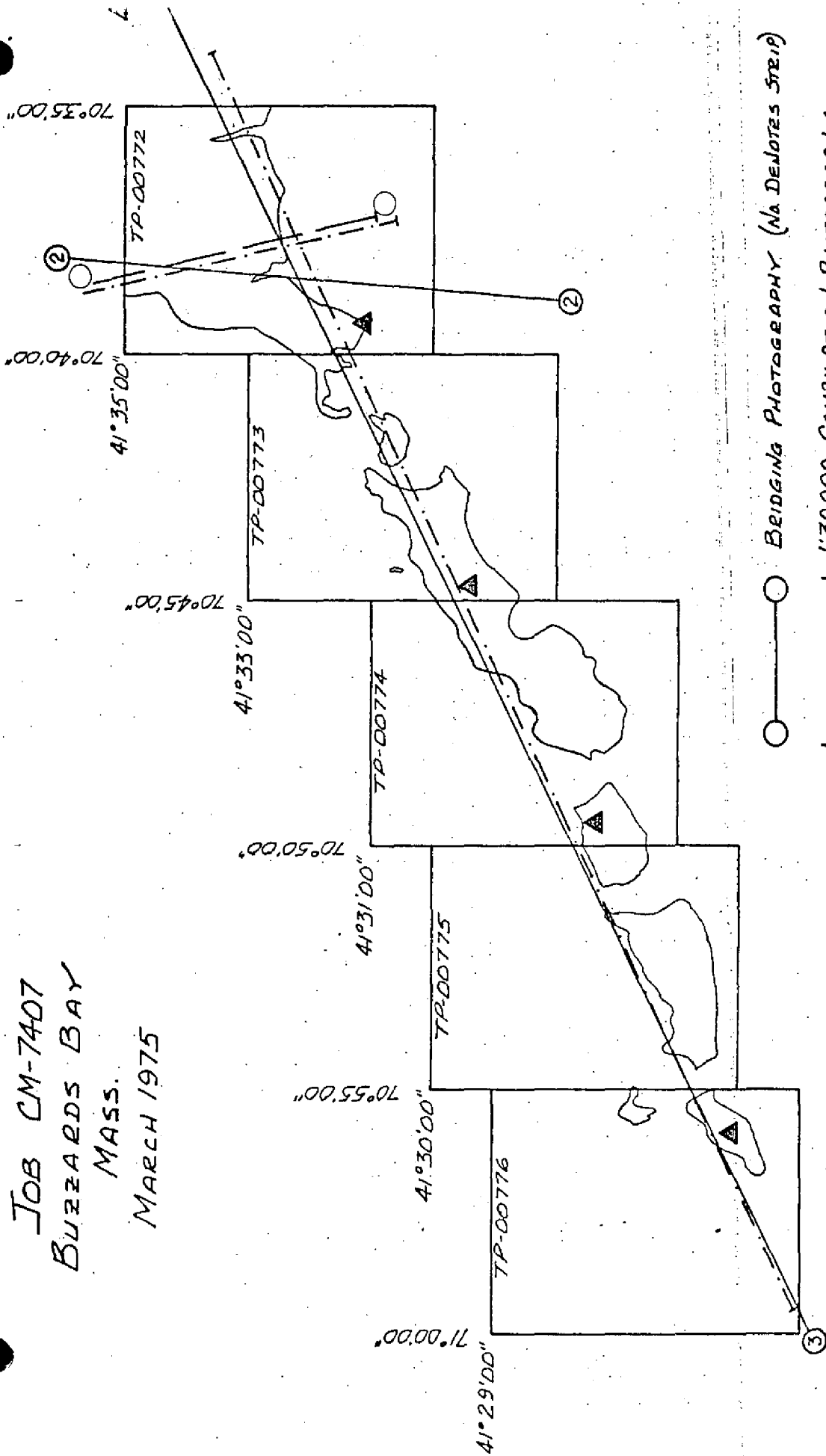
Submitted by:

Michael L. McGinley
Michael L. McGinley

Approved by:

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

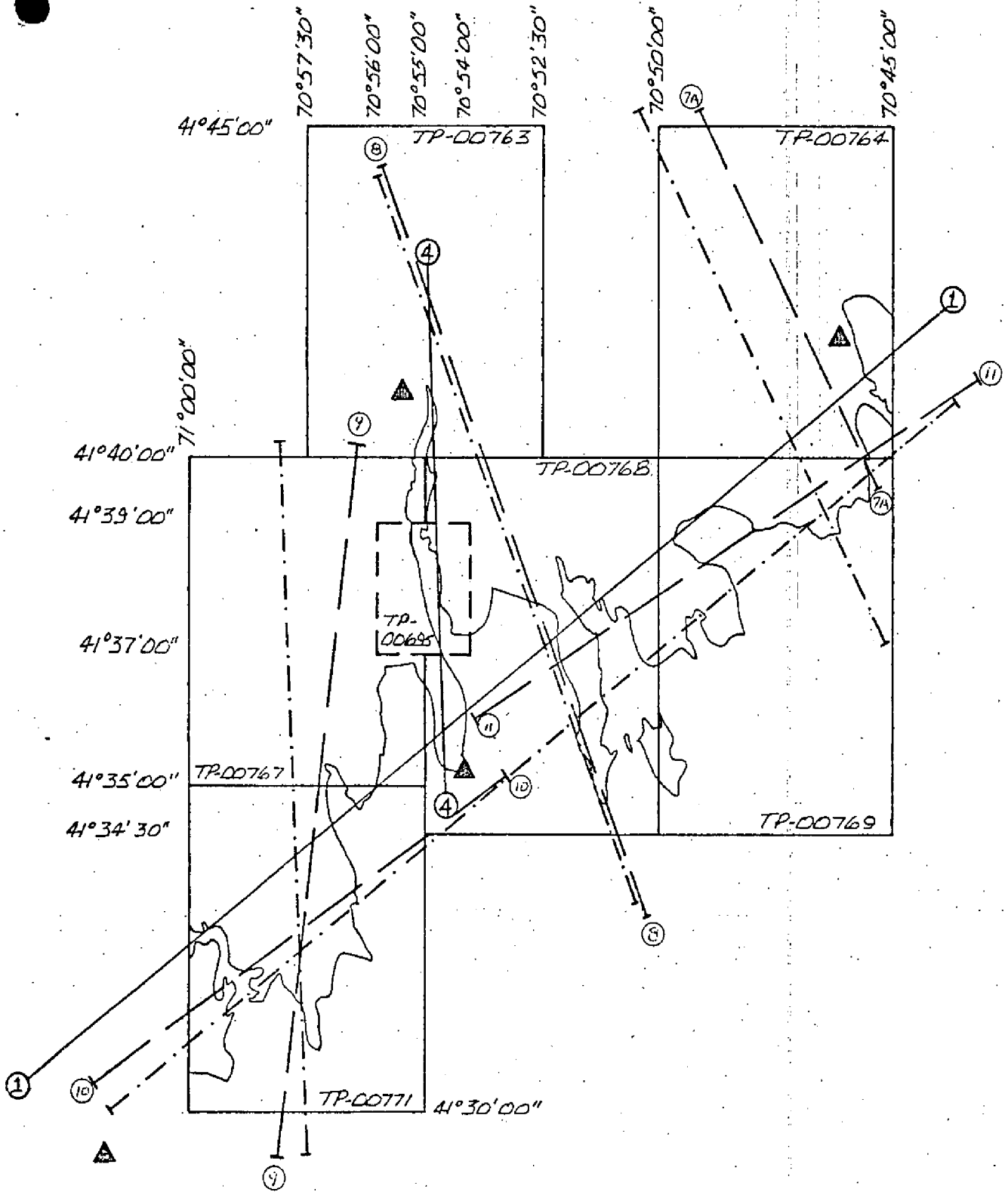
JOB CM-7407
 BUZZARDS BAY
 MASS.
 MARCH 1975

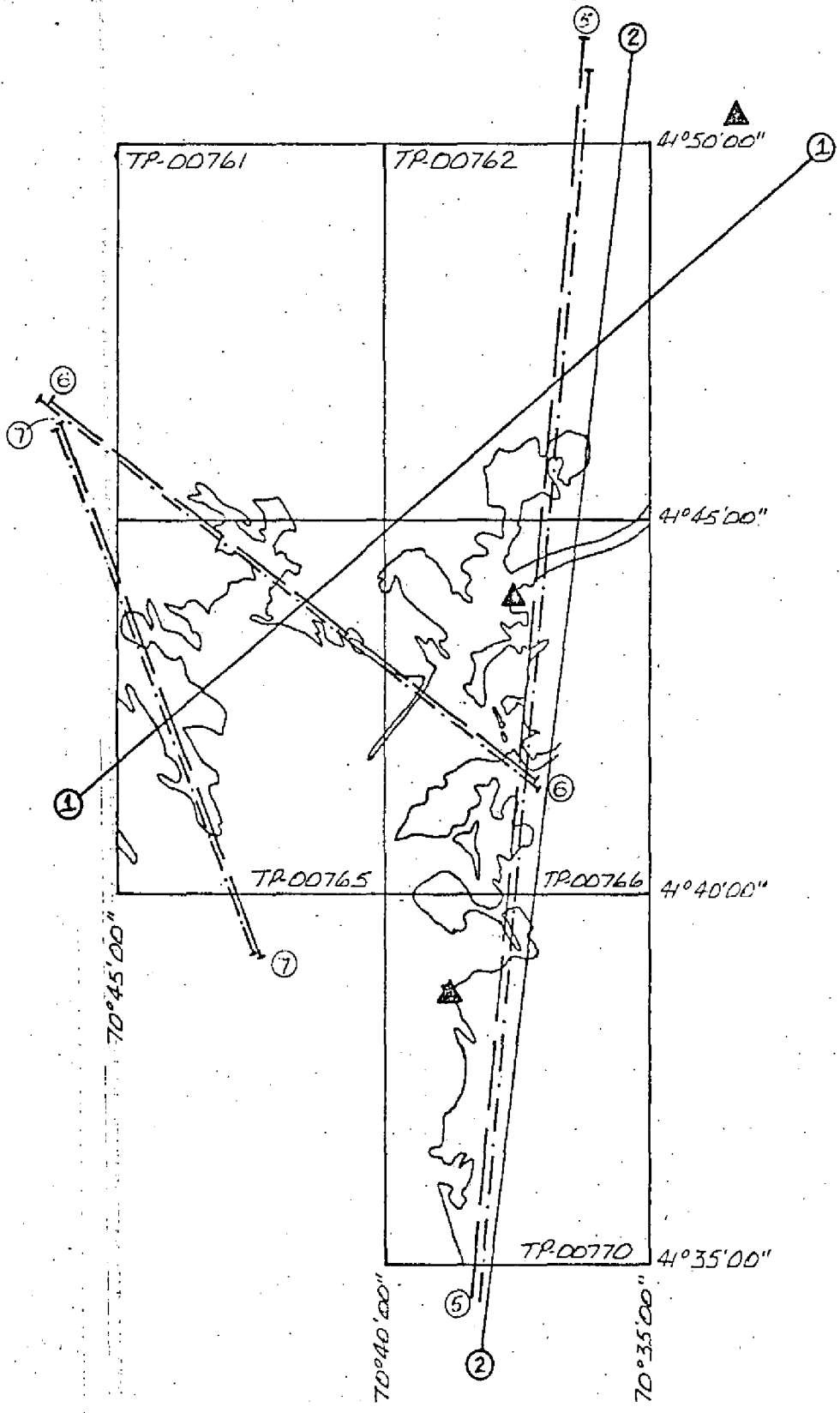


BRIDGING PHOTOGRAPHY (NA DENOTES STRIP)

1:30,000 COMPILATION PHOTOGRAPHY

1:30,000 B/W SUPPORT PHOTOGRAPHY





DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY		REMARKS		
					TP-00768	CM-7407	STATE	ZONE	x=	y=	φ	λ	Unit, Atlantic	Coastal Mapping	FORWARD
	FAIRHAVEN, TACK FACTORY CHIMNEY, 1902		G.P. Vol. 1 Pg. 318			N.A. 1927		x=	y=	φ 41° 38' 04.01"	λ 70° 53' 42.71"	Unit, Atlantic	Coastal Mapping	123.7 1727.4	988.6 400.2
	BUTLER FLATS LIGHTHOUSE, 1902		G.P. Vol. 1 Pg. 316					x=	y=	φ 41° 36' 13.285"	λ 70° 53' 42.007"			409.9 1441.2	972.8 416.6
	FAIRHAVEN WATER TOWER, 1902		G.P. Vol. 1 Pg. 319					x=	y=	φ 41° 38' 30.252"	λ 70° 53' 12.307"			933.3 917.8	284.8 1103.8
	NASK, 1934		G.P. Vol. 1 Pg. 320					x=	y=	φ 41° 37' 27.396"	λ 70° 50' 08.383"			845.2 1005.9	194.1 1194.9
	LITTLE BLACK ROCK 1977 (Field Position)							x=	y=	φ 41° 34' 37.309"	λ 70° 50' 30.606"			1151.0 700.05	709.0 680.9
	CHIMNEY, YELLOW HOUSE, 1934		G.P. Vol. 1 Pg. 317					x=	y=	φ 41° 35' 52.760"	λ 70° 51' 37.244"			1627.7 223.4	862.5 527.0
	BLACK ROCK BEACON, 1934		G.P. Vol. 1 Pg. 312					x=	y=	φ 41° 34' 40.951"	λ 70° 51' 46.667"			1263.4 587.7	1081.1 308.1
	WALCOTT (USE), 1934		G.P. Vol. 1 Pg. 317					x=	y=	φ 41° 35' 37.389"	λ 70° 54' 05.185"			1153.5 697.6	120.1 1269.6
	OXFORD SCHOOL, 1935		G.P. Vol. 1 Pg. 324					x=	y=	φ 41° 39' 25.298"	λ 70° 54' 31.179"			780.5 1070.6	721.4 666.9
COMPUTED BY	A. C. Rauck, Jr.			DATE	4/27/75	COMPUTATION CHECKED BY	Irene Perkinson	DATE	4/29/75						
LISTED BY				DATE		LISTING CHECKED BY		DATE							
HAND PLOTTING BY				DATE		HAND PLOTTING CHECKED BY		DATE							13

COMPILATION REPORT

TP-00768

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 1:15,000 and 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 compilation photographs as described in item #31.

36 - OFFSHORE DETAILS

Several rocks and rock islands were located offshore during instrument compilation. These are not considered complete, therefore, the hydrographer and field editor have been asked to investigate several charted features not visible on the photography.

37 - LANDMARKS AND AIDS

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

TP-00768

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: New Bedford North, Mass., scale 1:24,000, dated 1964;
New Bedford South, Mass., scale 1:24,000, dated 1963; Sconticut Neck, Mass.,
scale 1:24,000, dated 1962; and Marion, Mass., scale 1:24,000, dated 1962.

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; and
13230, scale 1:40,000, 26th edition, dated November 2, 1974.

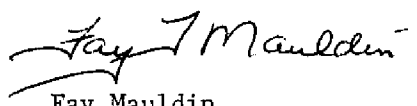
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD


None.

Submitted by,



Fay Mauldin
Cartographer
March 25, 1976

Approved,


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

ADDENDUM TO THE COMPILATION REPORT

TP-00768

FIELD EDIT

The original field edit was accomplished by coastal mapping field personnel May 1976. Additional edit data involving shoreline verification was collected July 1977 and landmark/navigational aid information was verified September 1979.

The July 1977 edit indicated in the report that one aid to navigation (traffic light) was located at Clarks Point. The editor did not submit adequate data to locate this feature. There is no record of an aid at Clarks Point in either the 1979 or 1980 Light List.

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00768

Acushnet River
 Angelica Rock
 Black Rock
 Butler Flats
 Buzzards Bay
 Clarks Cove
 Clarks Point
 Fairhaven
 Fish Island
 Harbor View
 Knollmere
 Little Bay
 Little Black Rock
 Long Island
 Nasketucket Bay
 Nasketucket River

New Bedford
 North Cove
 North Fairhaven
 Oxford
 Pea Island
 Pope Beach (locality)
 Puppy Rocks
 Round Cove
 Round Island
 Sconticut Neck
 Shaws Cove
 Silver Shell Beach (locality)
 Wards Rock
 West Island
 White Rock
 Wilbur Point

Approved by:

Charles E. Harrington

Charles E. Harrington
 Chief Geographer
 Nautical Charting Division

18

FIELD EDIT REPORT
BUZZARDS BAY AND ELIZABETH ISLANDS
MASSACHUSETTS
JOB CM-7407
MAP TP-00768

51. METHODS

The shoreline was inspected by truck, boat and by walking.

52. ADEQUACY OF COMPILATION

Compilation was adequate. The map was accepted as compiled. No significant shoreline changes were noted during field edit. A large number of rocks were located on photography, date, height, and time were noted. Little Black Rock was located by three point fix due to the lack of photo coverage.

54. RECOMMENDATIONS

None

55. EXAMINATION OF PROOF COPY

Geographic Names.

The specific name which was requested was checked and recorded on Field Edit Ozalid.

56. LANDMARKS AND NON-FLOATING AIDS FOR NAVIGATION

One aid to navigation was located on Clark's Point.

57. ROCKS, REEFS AND SHOALS

There are numerous rocks on Map TP-00768 which were located on photography or verified on Field Edit Ozalid. The Hydrographer was asked to locate a large number of rocks and shoal areas.

58. PHOTOGRAPHY

Photography was adequate for field edit.

Lawrence H. Davis
Surveying Tech.
July 1977

REVIEW REPORT TP-00768
SHORELEINE

61. GENERAL STATEMENT

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following 1:24,000 scale U.S. Geological Survey quadrangles: Sconticut Neck, Mass., dated 1962; Marion, Mass., dated 1962; New Bedford North, Mass., dated 1964; and New Bedford South, Mass., dated 1963.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Contemporary hydrographic activity common to this map was assigned as hydro surveys H-9628 and H-9644. Both surveys were physically accomplished; however, the field data for H-9628 is currently unprocessed and the completion date is unscheduled. A comparison was made with an unregistered copy of H-9644, field surveyed September 1976, 1:10,000 scale. Only a small portion of the hydro survey, in the vicinity of Clarks Cove, is common to this shoreline map. No significant differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 13229, 20th edition, 1:40,000 scale (1:20,000 partial inset), 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
Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,

Gregory T. Farnum
Chief, Photogrammetric Section, Rockville

Ronald K. Brewer
Chief, Photogrammetry Branch, Rockville

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

TO BE CHARTED
 TO BE REVISED
 TO BE DELETED

REPORTING UNIT
(If Field Party, Ship or Office)
Coastal Mapping Div.
AMC Norfolk, VA

STATE
Massachusetts

LOCALITY
Buzzard Bay
Elizabeth Islands

DATE
Feb 1, 80

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

LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
 HYDROGRAPHIC PARTY
 GEODETIC PARTY
 PHOTO FIELD PARTY
 COMPILATION ACTIVITY
 FINAL REVIEWER
 QUALITY CONTROL & REVIEW GRP.
 COAST PILOT BRANCH

OPR PROJECT NO. 503

JOB NUMBER CM-7407

SURVEY NUMBER TP-00768

DATUM N.A. 1927

METHOD AND DATE OF LOCATION
(See instructions on reverse side)

CHARTING NAME

DESCRIPTION
(Record reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parentheses)

LATITUDE
D.M. Meters

LONGITUDE
D.P. Meters

OFFICE

FIELD

CHARTS AFFECTED

STACK		41 36	74.2	70 54	22.4	74E(C)6984	V-VIS	114SC 249
STACK		41 36	46.9	70 54	37.2	74E(C)6985	V-VIS	"
STACK	(Fairhaven, Tack Factory Chimney, 1902) ht. = 150(160)	41 38	04.01	70 53	42.71	74E(C)6986	V-VIS	"
R. TOWER	WBSM East Tower	41 39	02.2	70 54	54.7	74E(C)6988	V-VIS	"
CUPOLA	(Oxford School, 1935)	41 39	25.298	70 54	31.179	74E(C)6988	V-VIS	"
TANK	(Fairhaven Water Tower, 1902) ht. = 185(225)	41 38	30.252	70 53	12.307	74Z(1)9568	V-VIS	"
SILO		41 38	933.3	70 53	248.8	Apr 20, 1974	Sept 79	"
SILO		41 38	23.3	70 50	51.7	74Z(1)9594	"	"
SILO		41 38	720	70 50	1196	Apr 20, 1974	"	"
SPIRE		41 38	20.4	70 50	47.0	74Z(1)9594	"	"
		41 38	629	70 50	1088	Apr 20, 1974	"	"
		41 38	09.7	70 53	58.6	74Z(1)9568	"	"
		41 38	300	70 53	1357	Apr 20, 1974	"	"

1 of 3

TYPE OF ACTION	RESPONSIBLE PERSONNEL	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	R. T. TIBBETTS	<input checked="" type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	Robert S. Tibbetts	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Irene Perkinson	OFFICE ACTIVITY REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)		
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(c)2982	
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.		

NCAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

NONFLOATING AIDS

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
FOR CHARTS

ORIGINATING ACTIVITY

- 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.
AMC Norfolk, VA

STATE
Massachusetts

LOCALITY
Buzzard Bay
Elizabeth Islands

DATE
Feb 1, 80

The following objects HAVE HAVE NOT been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO: 503

DATUM

JOB NUMBER
CM-7407

TP-00768

N.A. 1927

POSITION

LATITUDE

LONGITUDE

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)

OFFICE

FIELD

CHARTS AFFECTED

CHARTS AFFECTED

BEACON
Destroyed
(Egg Island Beacon, 1904)

41 36 33.099
1021.1 70 53
28.878
668.7

Recovery Note
Sept 79

114SC
249

BEACON
Destroyed
(New Bedford Beacon, 1844)

41 36 33.065
1020.1 70 53
28.875
668.6

Recovery Note
Sept 79

114SC
249

TYPE OF ACTION		RESPONSIBLE PERSONNEL	
NAME		ORIGINATOR	
OBJECTS INSPECTED FROM SEAWARD	R. Tibbetts	<input checked="" type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)	
POSITIONS DETERMINED AND/OR VERIFIED	Robert S. Tibbetts Irene Perkinson	<input type="checkbox"/> FIELD ACTIVITY REPRESENTATIVE <input type="checkbox"/> OFFICE ACTIVITY REPRESENTATIVE	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)			
OFFICE	1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982	
FIELD	1. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field P - Photogrammetric L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identified 2 - Traverse 6 - Theodolite 3 - Intersection 7 - Planetable 4 - Resection 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	11. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 111. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75	**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.			

RESPONSIBLE PERSONNEL		ORIGINATOR
TYPE OF ACTION	NAME	
OBJECTS INSPECTED FROM SEAWARD	R. S. TIBBETTS	<input checked="" type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	R. S. TIBBETTS	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	I. PERKINSON	OFFICE ACTIVITY REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'		
(Consult Photogrammetric Instructions No. 64.)		
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 741(C)2982	<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field Identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75	**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.		

