

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-00772	<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> QUISSETT HARBOR	
<div style="border: 1px solid black; padding: 5px; display: inline-block;">19 74 TO 19 77</div>	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72) DESCRIPTIVE REPORT - DATA RECORD	U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00772</u> MAP EDITION NO. (1) MAP CLASS <u>FINAL</u> JOB <u>CM-7407</u>
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PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen	LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
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I. INSTRUCTIONS DATED	
I. 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 Lambert Conformal	4. GRID(S) STATE Massachusetts ZONE Mainland
5. SCALE 1:10,000	STATE ZONE

III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY	M. McGinley	April 1975
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp CHECKED BY	R. Robertson R. Robertson	April 1975 April 1975
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:10,000 CONTOURS BY CHECKED BY	L. O. Neterer, Jr. A. C. Rauck, Jr. N.A. N.A.	Dec. 1975 Dec. 1975
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth drafted CONTOURS BY CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY	David Butler A. L. Shands N.A. N.A. David Butler A. L. Shands	Jan. 1976 Jan. 1976
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	A. L. Shands	Jan. 1976
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY	F. Margiotta J. Byrd	March 1978 May 1978
7. COMPILATION SECTION REVIEW BY	J. Byrd	May 1978
8. FINAL REVIEW BY	J. Hancock	Oct. 1984
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	J. Hancock	Feb. 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	J. Schrad	March 1985
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	R. Korhspan	April 1985

TP-00772
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) E=152.71mm, C=88.47mm, Z=153.14mm		TYPES OF PHOTOGRAPHY		TIME REFERENCE	
Wild RC-8"E", RC-10"C", RC-10"Z"		LEGEND		ZONE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		Eastern	
<input type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN	
75th					
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74 C(C) 9484 - 9485 ✓	Apr.18,1974	10:33	1:60,000	0.2 ft. above MLW***	
74 E(C) 4728 - 4730 ✓	Apr.18,1974	10:50	1:30,000	0.3 ft. above MLW*	
74 E(C) 4803 - 4806 ✓	Apr.20,1974	10:52	1:30,000	0.3 ft. below MLW*	
74 Z(I) 9503 - 9506 ✓	Apr.20,1974	10:52	1:30,000	0.3 ft. below MLW**	
74 Z(I) 9523 - 9525 ✓	Apr.20,1974	11:08	1:30,000	0.4 ft. above MLW**	

REMARKS *Compilation/bridging photographs. **Tide coordinated photography 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 photography

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-9668	June 1977	unregistered smooth sheet			

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00770	No survey	No survey	TP-00773

REMARKS

TP-00772

HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION (PREMARKING) FIELD EDIT OPERATION.

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

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED Paneled	2. VERTICAL CONTROL IDENTIFIED None		
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
74 C(C)9485	NOBSKA POINT LIGHTHOUSE, 1904 (Sub. Pt. paneled)		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
74 C(C)9485	LIGHT		

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)

1 Form 152, 1 Form 266, and 1 Form 269C.

HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	Aug. 1977
2. HORIZONTAL CONTROL	RECOVERED BY R. Tibbetts	Aug. 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	Aug. 1977
	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 V. Hart, Jr.	Aug. 1977
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

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

3. PHOTO NUMBERS (Clarification of details)

74 E(C) 4729, 4730, 4805 (Black/White 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

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

Field Edit Report
2 Forms 76-40
1 Paper Field Edit Print

I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Jan. 1976	Class III manuscript SUPERSEDED	July 1976	April 1976
Field edit applied, compilation complete	May 1978	Class I manuscript SUPERSEDED	June 1978	Jan. 1980
Final Review	October 1984	Final Map	<i>March 1985</i>	<i>March 1985</i>

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH			
PAGES XXXXXXXXXX	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		May 22, 1980	Landmarks for charting
1		May 22, 1980	Aids for charting
1		<i>March 1985</i>	<i>Landmarks</i>
1		<i>March 1985</i>	<i>Aids</i>

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 ~~56~~ ⁷⁶⁻⁴⁰ SUBMITTED BY FIELD PARTIES.
 3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
 4. DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

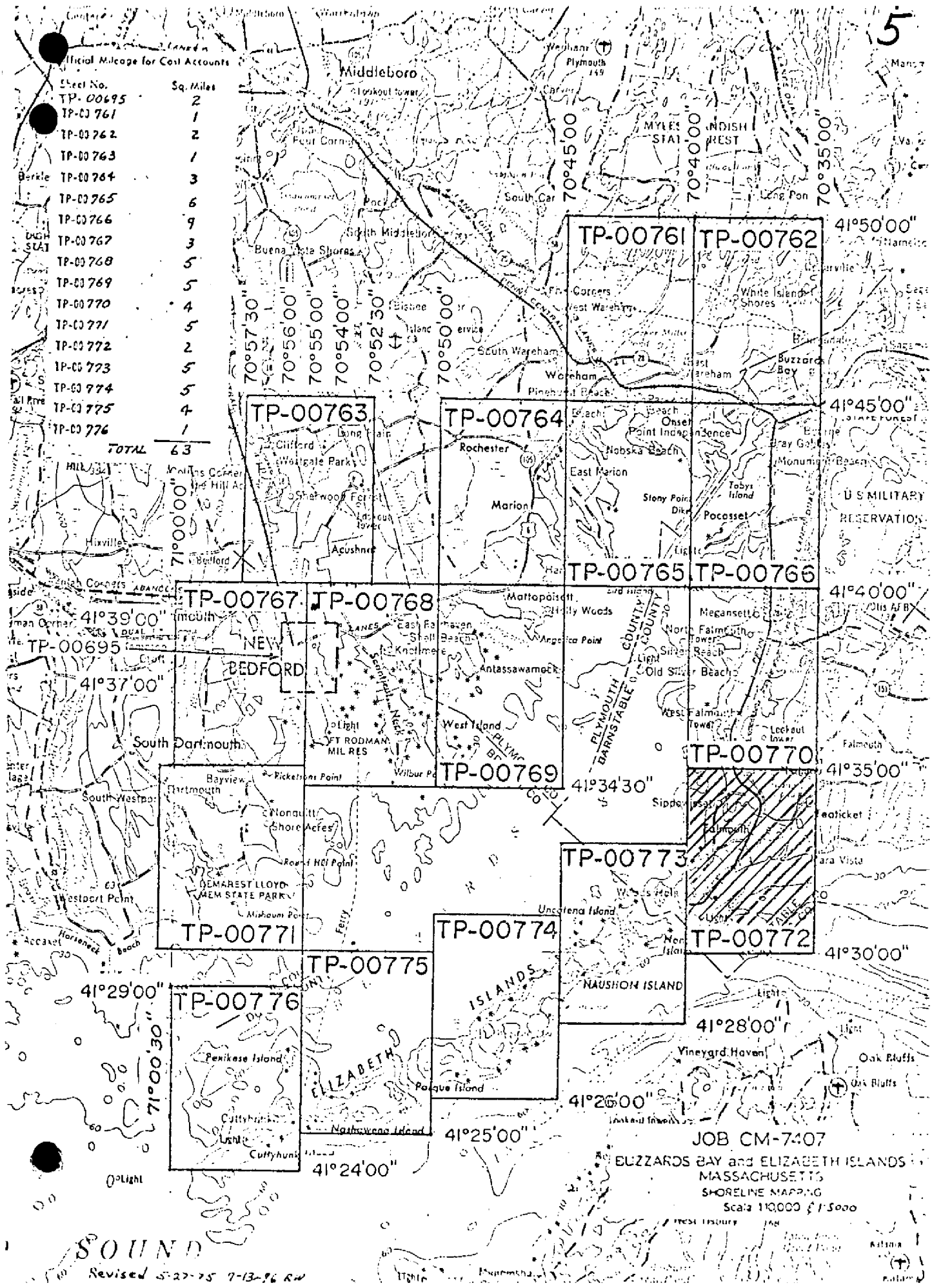
IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

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

Official Mileage for Cost Accounts

Sheet No.	Sq. Miles
TP-00761	2
TP-00762	1
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



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

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

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00772

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 the shoreline bordering the southwest region of Cape Cod, featuring Nobska Point and Quissett Harbor.

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 "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 1:30,000 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 January 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-9668, has been processed and a comparison with the shoreline map was made during final review.

TP-00772

Field edit was conducted September 1977 by a photogrammetric field party. Application of this data was accomplished at the original compilation office May 1978 and the manuscript was advanced to Class I. Copies of the Class I manuscripts were forwarded to the Hydrographic Surveys Branch and the Marine Charts Branch.

Final review was performed at the Atlantic Marine Center in October 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-00772

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.

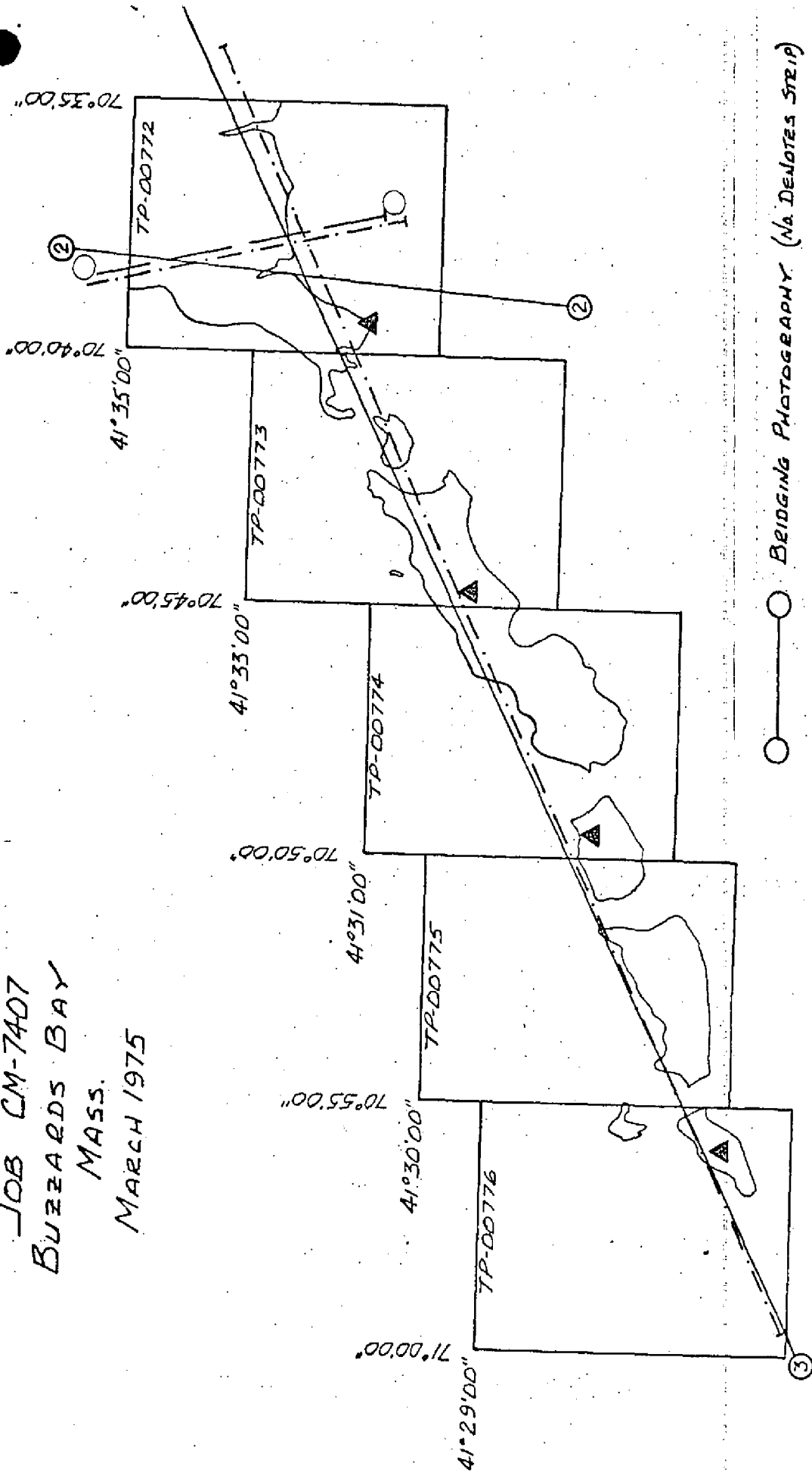
Submitted by:

Michael L. McGinley
Michael L. McGinley

Approved by:

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

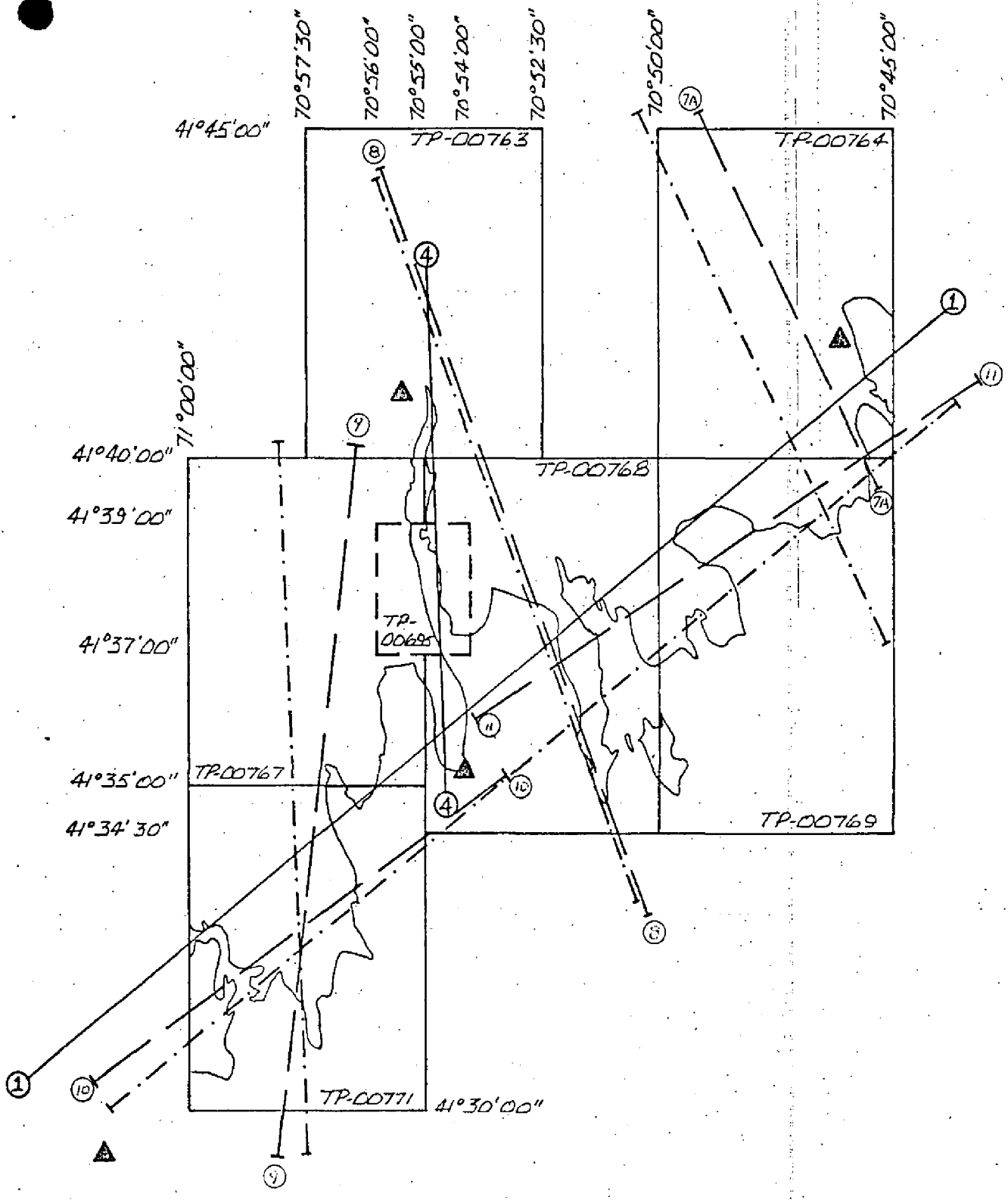
JOB CM-7407
 BUZZARDS BAY
 MASS.
 MARCH 1975

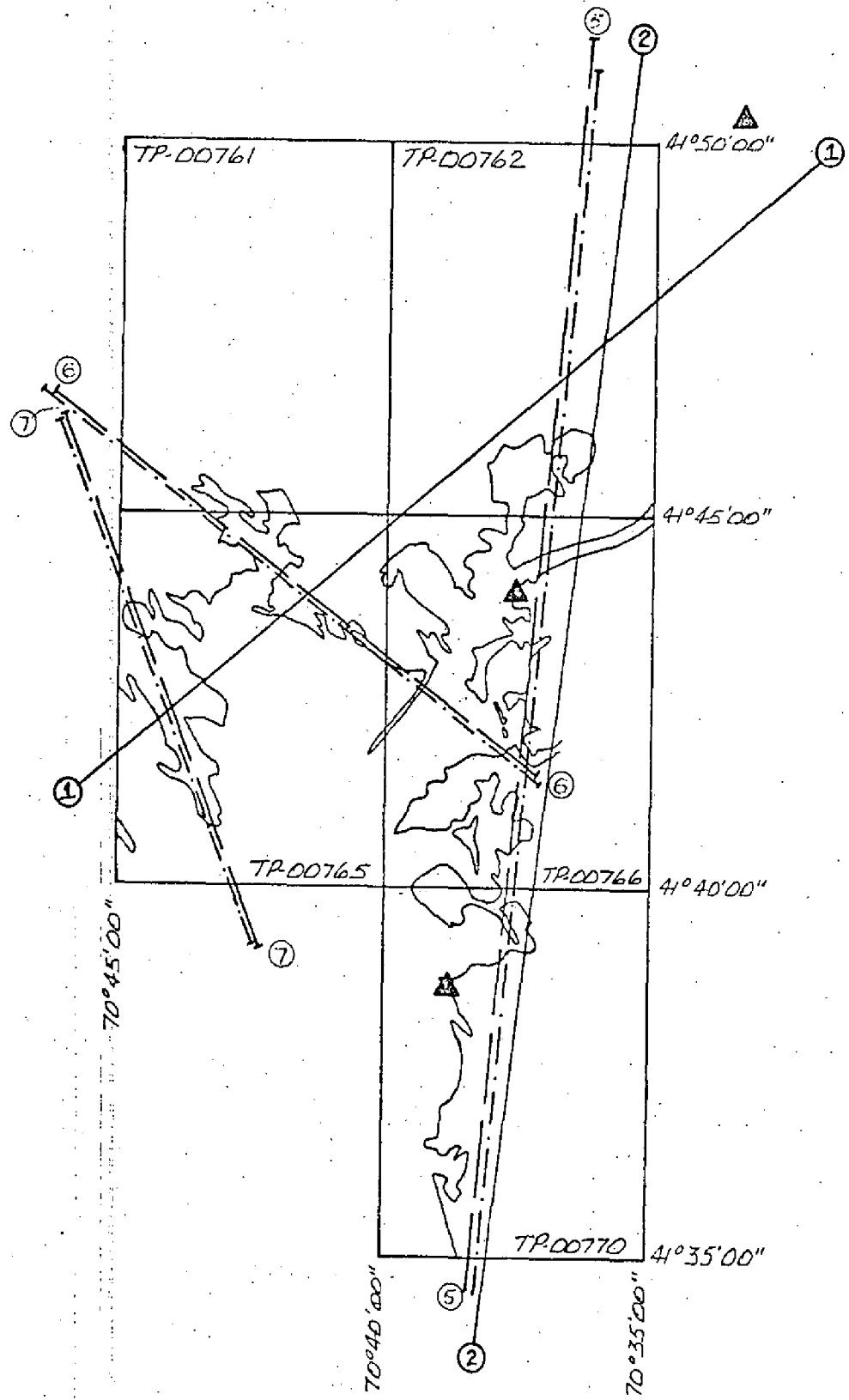


○ 2 BRIDGING PHOTOGRAPHY (NA DENOTES STRIP)

--- 1:30,000 COMPILATION PHOTOGRAPHY

— 1:30,000 B/W SUPPORT PHOTOGRAPHY





DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEOGETIC DATUM		AFROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS	
			STATE	ZONE		STATE	ZONE	ϕ LATITUDE	λ LONGITUDE	FORWARD	BACK
TP-00772		CM-7407	N.A. 1927								
		SOURCE OF INFORMATION (Index)	Massachusetts	Mainland							
FALMOUTH, CAPE CODDER HOTEL, CUPOLA, 1932	G.P. Vol. I Page 340		X=				ϕ 41° 34' 09.73"		300.2	1550.9	
FALMOUTH, CAPE CODDER HOTEL, LOWER CUPOLA, 1932	"		Y=				λ 70° 38' 54.07"		1252.7	137.5	
FALMOUTH INSTITUTE, TOWER, 1934	G.P. Vol. I Page 140		X=				ϕ 41° 33' 29.965"		924.5	926.6	
FALMOUTH CONGREGATIONAL CHURCH, 1888	G.P. Vol. I Page 140		Y=				λ 70° 37' 42.403"		982.6	407.8	
FALMOUTH JUNIOR HIGH SCHOOL, CUPOLA, 1934	"		X=				ϕ 41° 33' 15.257"		470.7	1380.4	
FALMOUTH GRAMMER SCHOOL, CUPOLA, 1934	"		Y=				λ 70° 37' 10.761"		249.4	1141.1	
FALMOUTH HEIGHTS, WATER TOWER, 1904	G.P. Vol. I Page 520		X=				ϕ 41° 33' 12.423"		383.3	1467.8	
WOODS HOLE, YELLOW STONE TOWER, 1928	G.P. Vol. I Page 411		Y=				λ 70° 36' 47.749"		1106.6	283.9	
NOBSKA POINT LIGHTHOUSE, 1904	G.P. Vol. I Page 406		X=				ϕ 41° 33' 13.411"		413.7	1437.4	
GUN, 1910	G.P. Vol. I Page 863		Y=				λ 70° 36' 51.467"		1192.7	197.8	
COMPUTED BY	A. C. Rauck, Jr.		X=				ϕ 41° 33' 05.687"		175.4	1675.7	
LISTED BY			Y=				λ 70° 38' 27.674"		641.3	749.3	
HAND PLOTTING BY			X=				ϕ 41° 31' 33.071"		1020.3	830.7	
			Y=				λ 70° 39' 43.352"		1005.1	386.0	
			X=				ϕ 41° 30' 56.423"		1740.7	110.3	
			Y=				λ 70° 39' 20.291"		470.5	920.8	
			X=				ϕ 41° 33' 52.627"		1623.6		
			Y=				λ 70° 39' 15.791"		365.9		
COMPUTATION CHECKED BY	Irene Perkinson		DATE	4/27/75					DATE	4/30/75	
LISTING CHECKED BY			DATE						DATE		
HAND PLOTTING CHECKED BY			DATE						DATE		

COMPILATION REPORT

TP-00772

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.

TP-00772

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: Woods Hole, MA, scale 1:24,000, dated 1967; and Falmouth, MA, scale 1:24,000, dated 1972.

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,

Gerry Z. Hancock
for David P. Butler
Cartographic Aid
January 8, 1976

Approved,

Gerry Z. Hancock
for Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00772

FIELD EDIT

Field edit was accomplished September 1977 by coastal mapping photo party personnel.

The position for 2 piles at Latitude $41^{\circ}32.7'$, Longitude $70^{\circ}35.3'$ were transferred from the field edit print to the manuscript. No other source data was submitted for these features.

GEOGRAPHIC NAMES

FINAL NAME SHEET

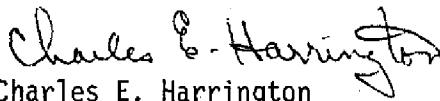
CM-7407 (Buzzards Bay and Elizabeth Islands, Massachusetts)

TP-00772

Bay Colony (RR)
 Cape Cod
 Falmouth
 Falmouth Beach
 Falmouth Harbor
 Falmouth Heights
 Falmouth Inner Harbor
 Flax Pond _____ Flume Pond
 Gansett Point
 Great Sippewisset Marsh
 Great Pond
 Gunning Point
 Hamlin Point
 Little Harbor
 Little Pond
 Little Sippewisset Marsh
 Mara Vista

Nantucket Sound
 Nobska Beach _____ Nobska Pond
 Nobska Point
 Oyster Pond
 Perch Pond
 Quissett
 Quissett Beach
 Quissett Harbor
 Racing Beach
 Saconesset Hills (locality)
 Salt Pond
 Siders Pond
 Sippewisset
 Teaticket
 The Knob
 Vineyard Sound
 Woods Hole (P p1)

Approved by:



Charles E. Harrington
 Chief Geographer
 Nautical Charting Division

Field Edit Report
Job CM-7407
Buzzard's Bay, Massachusetts
TP-00772 , Quisett Harbor

This sheet was field edited during the summer season of 1977.

52. Adequacy of Compilation; The compilation on this sheet was found to be very good with few corrections necessary.

54. Recommendations; None.

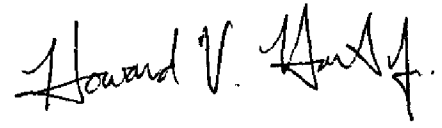
56. Shoreline and Alongshore Features; The shoreline and the mean low water line are compiled well. No changes are necessary. There are several alongshore features that should be deleted and a few that warrant compiling. The corrections are noted on the Field Edit Ozalid. All rock information on this sheet was noted in violet ink on photographs #4728 , #4729 , #4730 , #4805 .

446 7

57 Offshore Features; Check for hydrographic data pertaining to the wreck located southwest of Nobska Point.

58. Landmarks and Aids; All the chartable landmarks were recovered visually and are noted on forms 76-40. Nobska Point Light and Falmouth Inner Harbor Light were recovered in their charted positions.

59. General Statement; All field edited data is submitted and all field edit notes have been made in violet ink on the Field Edit Ozalid and the photographs.



Howard V. Hart Jr.
Surveying Technician

REVIEW REPORT TP-00772
SHORELINE

61. GENERAL STATEMENT

Final review for this final field edited map was accomplished at the Atlantic Marine Center in October 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

None.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following 1:24,000 U.S. Geological Survey quadrangles: Woods Hole, MA, dated 1967; and Falmouth, MA, dated 1972.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A portion of contemporary hydrographic survey H-9668, 1:10,000 scale, field surveyed June 1977 was compared with this final shoreline map. The common shoreline area is along the west coast of Cape Cod beginning at Latitude 41°32.0' and extends north to Latitude 41°35.0'. No significant differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 13235, 2nd edition, 1:5,000 scale, dated May 30, 1981; 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

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,

Gregory T. Stearns
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
Buzzards Bay and
Elizabeth Islands

DATE
Mar 1978

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
- (See reverse for responsible personnel)

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

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	SURVEY NUMBER		DATUM	POSITION				METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED
		JOB NUMBER	TP-00772		LATITUDE	LONGITUDE	OFFICE	FIELD	OFFICE	FIELD	
STANDPIPE	(Woods Hole, Yellow Stone Tower, 1928 Ht. = 90(204)ft.)	41-31	33.071	70-39	43.352	74E(C)4730	Triang. Rec.	Apr. 20, 1974	Aug 19, 1977	114SC 249	
CUPOLA	(Falmouth Cape Codder Hotel, Cupola, 1932) Ht.=49(94)ft.	41-34	09.73	70-38	54.07	74E(C)9505	"	"	"	"	
CUPOLA	(Falmouth. Cape Codder Hotel Lower Cupola, 1932) Ht.=49(94)ft.	41-34	300.2	70-38	1252.7	"	"	"	"	"	
STANDPIPE	(Falmouth Heights, Water Tower, 1904) Ht = 85(203)ft.	41-33	10.41	70-38	53.70	"	"	"	"	"	
TOWER	New England Telephone Microwave Tower. Ht. = 100(115)ft.	41-33	321.2	70-36	1244.2	74E(C)4728	F-V-VIS	Apr 20, 1974	Aug 19, 77	"	

TYPE OF ACTION		RESPONSIBLE PERSONNEL		ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD		H. HART		<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		H. HART		FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		F. MARGIOTTA		OFFICE ACTIVITY REPRESENTATIVE <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 L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field Identified 6 - Theodolite 7 - Planetable 8 - Sextant P - Photogrammetric Vis - Visually 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 dependant entirely, or in part, upon control established by photogrammetric methods.		
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.				

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

NONFLOATING AIDS

U.S. DEPARTMENT OF COMMERCE
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)

TO BE CHARTED
 TO BE REVISED
 TO BE DELETED
 REPORTING UNIT: Coastal Mapping Div., AMC Norfolk, VA
 STATE: Massachusetts
 LOCALITY: Buzzards Bay and Elizabeth Islands
 DATE: Mar 1978

The following objects HAVE BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station name, where applicable, in parentheses.)	DATUM				METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED
		LATITUDE		LONGITUDE		OFFICE	FIELD	
		D.M. Meters	D.P. Meters	D.M. Meters	D.P. Meters			
503	CM-7407	N.A. 1927						
LIGHT	Nobska Point Light (Nobska Point Lighthouse, 1904)	41-30	56.423	70-39	20.291	74E(C)4730 Apr 20, 1974	Triang. Rec. 8/15/77	114SC 264,249
LIGHT	Falmouth Inner Harbor Light	41-32	31.05	70-36	31.71	74E(C)4728 Apr 20, 1974	F-V-VIS 8/15/77	"
RADIO BEACON	**Radio Beacon 291kHz (Positioned at time of Final Review from 1974 photos)	41-30	57.44	70-39	18.76	74E(C)4730 April 20, 1974	Not verified	13235 13229 13230

TYPE OF ACTION		RESPONSIBLE PERSONNEL	
NAME		ORIGINATOR	
OBJECTS INSPECTED FROM SEAWARD		H. V. HART	<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		H. V. HART	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		F. MARGIOLTA	<input type="checkbox"/> OFFICE ACTIVITY REPRESENTATIVE <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 IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the subject. 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 (Cont'd) III. 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	
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	**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.			

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. _____

INSTRUCTIONS

- A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart
- 1. Letter all information.
- 2. In "Remarks" column cross out words that do not apply.
- 3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Rev

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
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