

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-00771	<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> SMITH NECK	
<div style="border: 1px solid black; padding: 5px; display: inline-block;">19₇₄ TO 19₇₇</div>	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00771</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>CM-7407</u>
DESCRIPTIVE REPORT - DATA RECORD	LAST PRECEDING MAP EDITION	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, VA Atlantic Marine Center	TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR	JOB <u>PH-</u> 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 Lambert Conformal	4. GRID(S) STATE ZONE Massachusetts 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. C. Blood/Minton/Rauck N.A. N.A.	Jan. 1976 Jan. 1976
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth drafted CONTOURS BY CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY	J. R. Minton A. L. Shands N.A. N.A. J. R. Minton A. L. Shands	March 1976 March 1976 March 1976 March 1976
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	A. L. Shands	March 1976
6. APPLICATION OF FIELD EDIT DATA BY	J. Roderick	Feb. 1980
7. COMPILATION SECTION REVIEW BY	F. Margiotta	March 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. Schod	March 1985
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	R. Kornspan	April 1985

TP-00771

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) 9467-9468 ✓	Apr. 18, 1974	10:16 ✓	1:60,000	0.2 ft. above MLW***	
74E(C) 4792-4795 ✓	Apr. 18, 1974	11:52 ✓	1:30,000	0.7 ft. above MLW*	
74E(C) 4745-4748 ✓	Apr. 18, 1974	11:00 ✓	1:30,000	0.4 ft. above MLW*	
74Z(I) 9579-9582 ✓	Apr. 20, 1974	13:01 ✓	1:30,000	.03 ft. above MLW**	
74Z(I) 9588-9590 ✓	Apr. 20, 1974	13:14 ✓	1:30,000	0.18 ft. above MLW**	

REMARKS
 *Compilation photography.
 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 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	EAST	SOUTH	WEST
TP-00767	No survey	No survey	No survey

REMARKS

TP-00771

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 <u>None</u> ESTABLISHED BY <u>None</u> PRE-MARKED OR IDENTIFIED BY <u>None</u>	
3. VERTICAL CONTROL	RECOVERED BY <u>None</u> ESTABLISHED BY <u>None</u> PRE-MARKED OR IDENTIFIED BY <u>None</u>	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (<i>Triangulation Stations</i>) BY <u>None</u> LOCATED (<i>Field Methods</i>) BY <u>None</u> IDENTIFIED BY <u>None</u>	
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 <u>None</u>	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY <u>N.A.</u>	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
<u>None</u>		<u>None</u>	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: REPORT 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

TP-00771
HISTORY OF FIELD OPERATIONS

1. <input type="checkbox"/> FIELD INSPECTION OPERATION		<input checked="" type="checkbox"/> FIELD EDIT OPERATION	
OPERATION	NAME	DATE	
1. CHIEF OF FIELD PARTY	R. Tibbetts	May76/Jul77	
2. HORIZONTAL CONTROL	RECOVERED BY	R. Tibbetts	May76/Jul77
	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 (<i>Triangulation Stations</i>) BY	R. Tibbetts	Sept. 1979
	LOCATED (<i>Field Methods</i>) BY	R. Tibbetts	Aug. 1976
	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	R. Tibbetts	May76/Jul77
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 (<i>Clarification of details</i>)			
74E(C) 4744, 4745, 4747, 4792, 4794 (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: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS			
None			
8. OTHER FIELD RECORDS (<i>Sketch books, etc. DO NOT list data submitted to the Geodesy Division</i>)			
1-Field Edit Report			
1-Field Edit Paper Print (1976 & 1977)			
3-Forms 76-40 (landmarks & aids verified 1976 & 1979)			

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	Apr. 1976
Slocums River extended as per hydro request.	July 1976	Class III Manuscript SUPERSEDED	None	None
Field edit applied, Compilation complete.	March 1980	Class I Manuscript SUPERSEDED	March 1980	March 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	Non-floating aids to be charted
1		May 1980	Landmarks to be charted
1		May 1980	Landmarks to be deleted
1		March 1985	Aids
1		March 1985	Landmarks to be charted
1		March 1985	Landmarks 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

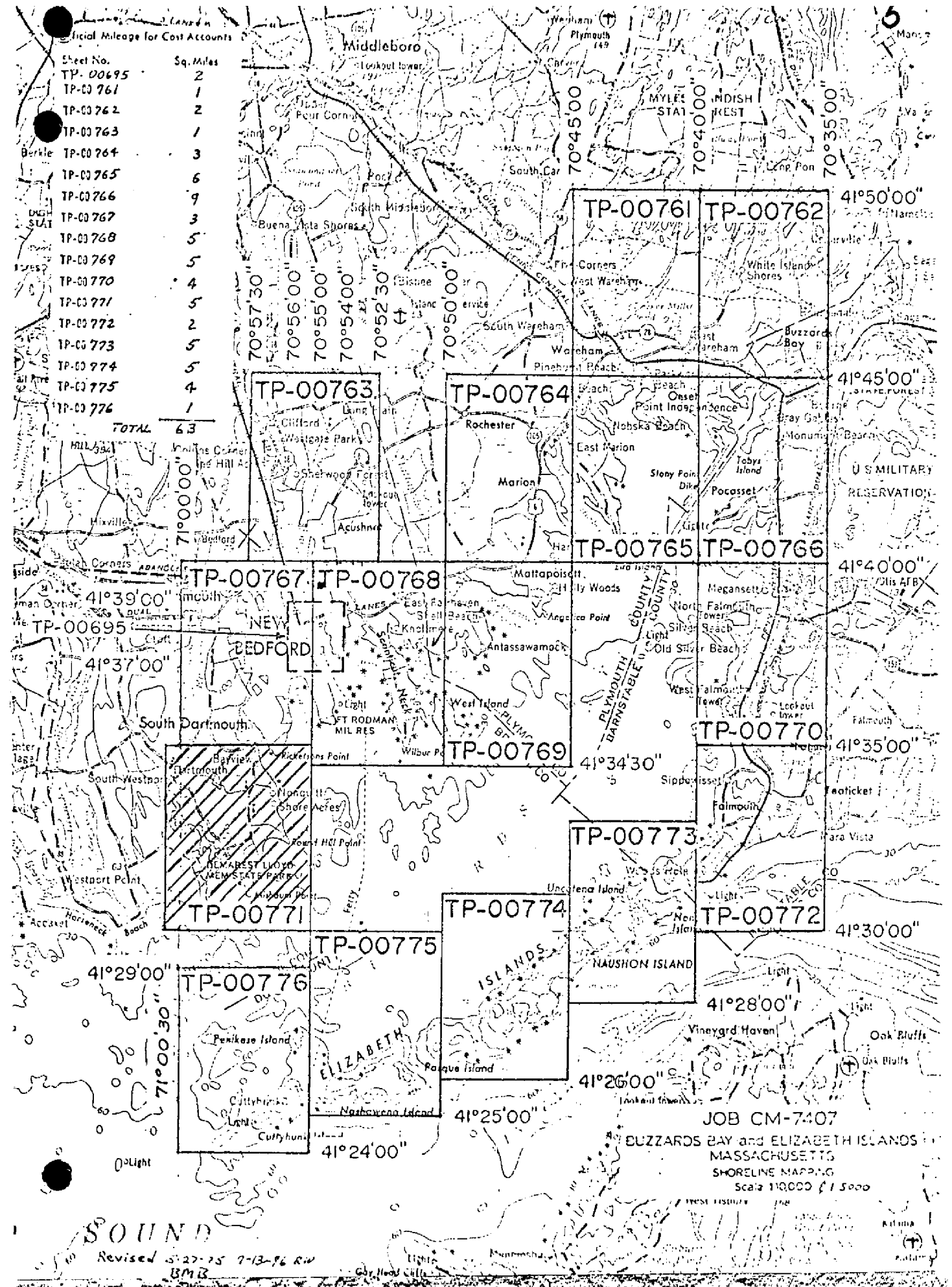
1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
 2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS (76-40) SUBMITTED BY FIELD PARTIES.
 3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
 4. DATA TO FEDERAL RECORDS 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	1
TP-00762	2
TP-00763	1
Berkie 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 1:10,000 @ 1:5000

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

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00771

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 northwest coast of Buzzards Bay extending from Slocums Neck, north to South Dartmouth. This map defines the western limit of the northern shore of Buzzards Bay for the project.

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 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. The hydro survey common to this map is H-9644. Although this survey is currently unregistered, a comparison was made with the map during final review.

TP-00771

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 data was accomplished at the original compilation office March 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-00771

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.

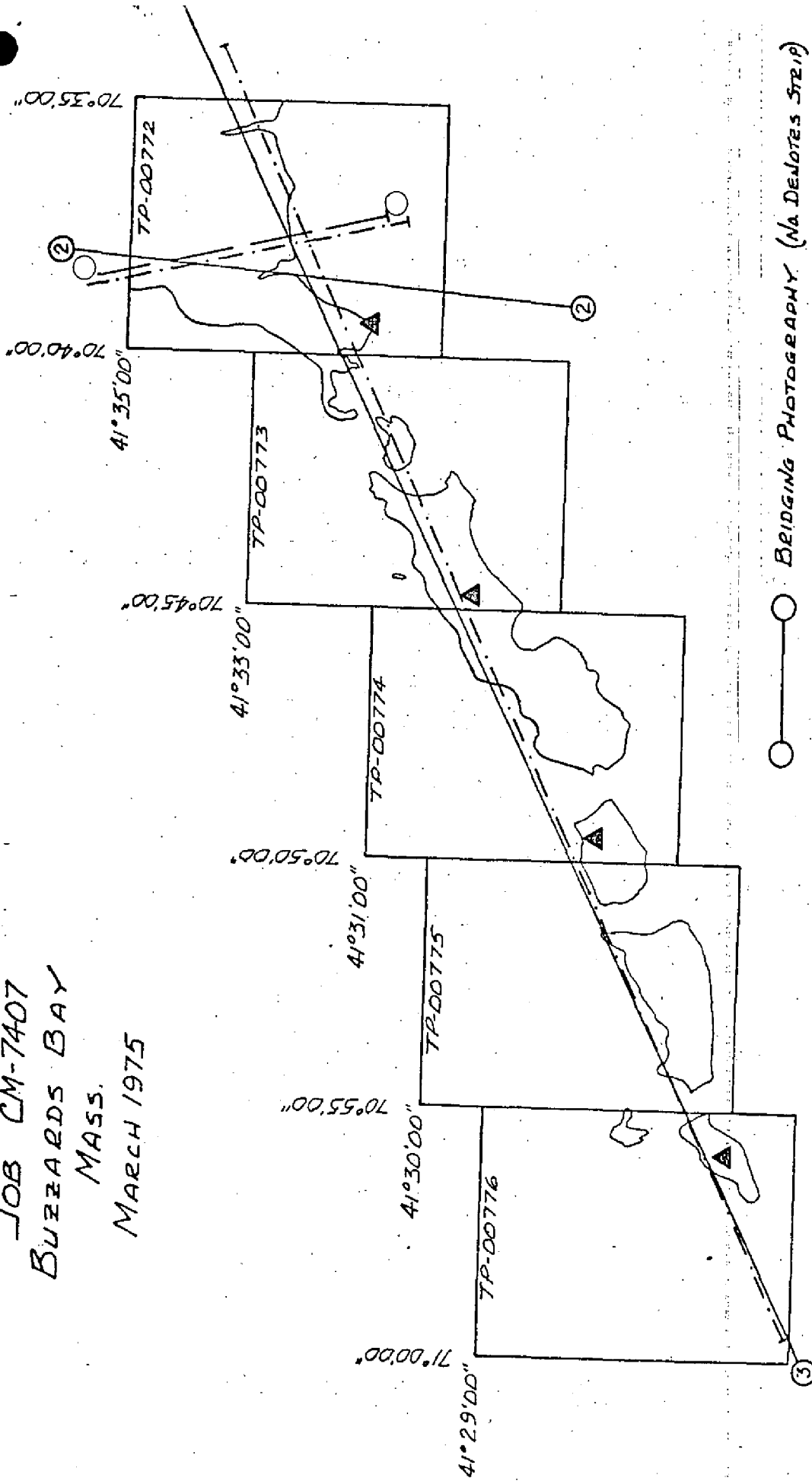
Submitted by:

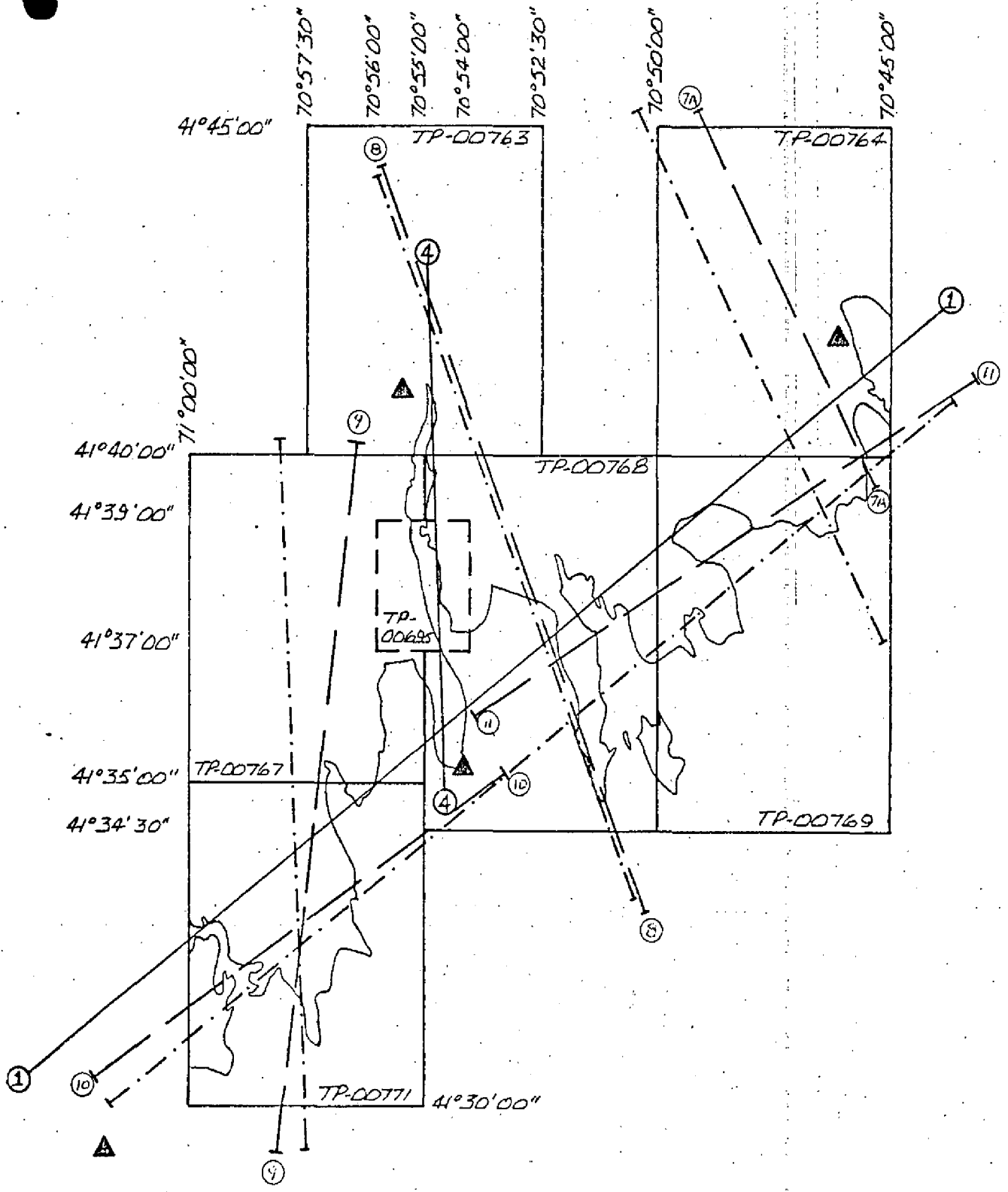
Michael L. McGinley
Michael L. McGinley

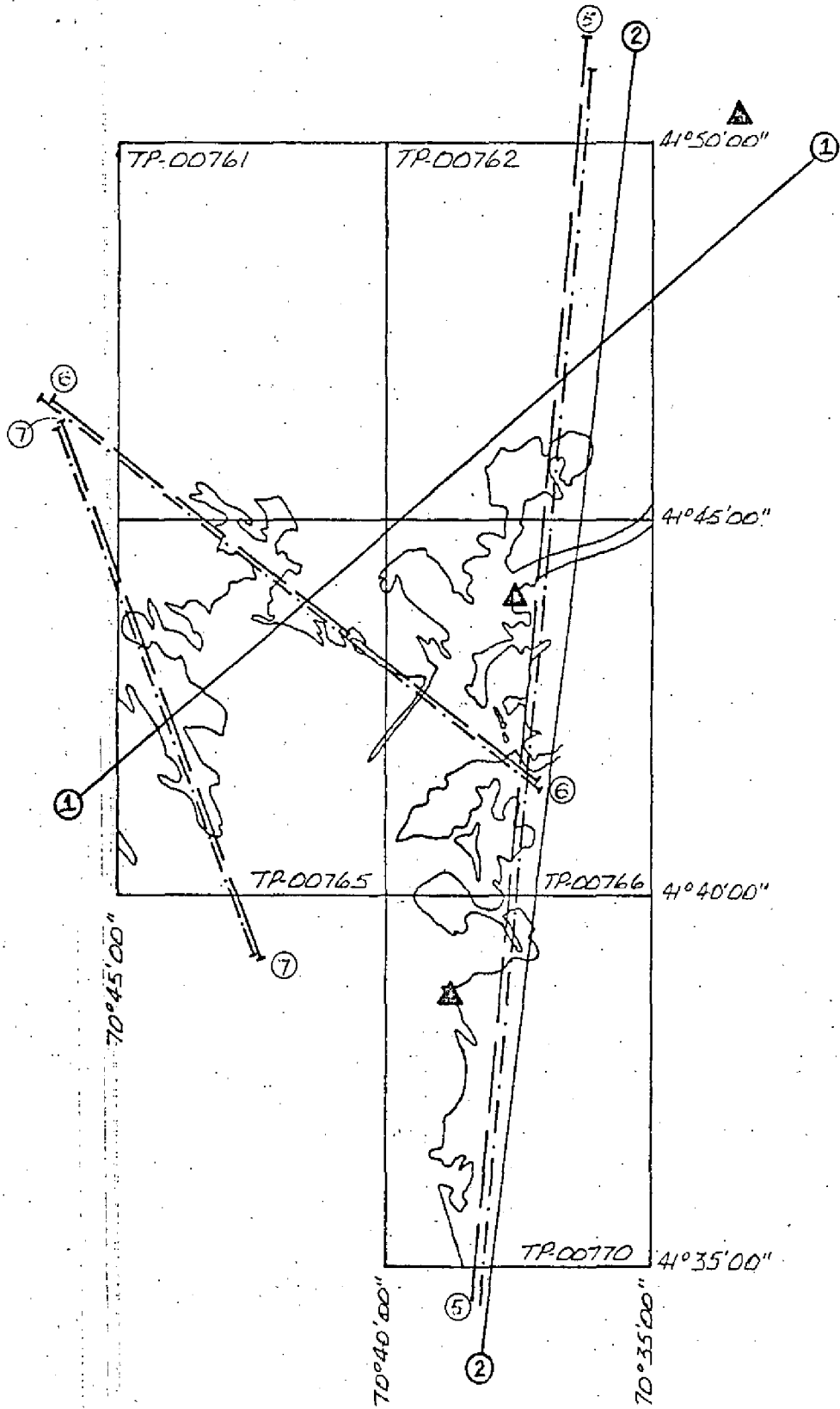
Approved by:

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

JOB CM-7407
 BUZZARDS BAY
 MASS.
 MARCH 1975







DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00771	JOB NO. CM-7407	GEODETTIC DATUM N.A. 1927		GEOGRAPHIC POSITION ORIGINATING Mapping Unit, AMC, Norfolk, VA		REMARKS		
		STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	φ LATITUDE λ LONGITUDE	FORWARD	BACK
PASS, 1934	G.P. Vol. I pg. 238		X=		φ 41°31'52.567"	1621.7	229.3	
			Y=		λ 70°58'53.344"	1236.7	154.2	
GREEN, 1940	G.P. Vol. I pg. 511		X=		φ 41°32'24.003"	740.5	1110.5	
			Y=		λ 70°55'50.503"	1170.7	220.1	
NONQUITT, MYERS STONE WATER TANK, 1913	G.P. Vol. I pg. 869		X=		φ 41°33'53.015"	1635.6	215.5	
			Y=		λ 70°56'37.611"	871.5	518.8	
GULF HILL EAST SILO, 1934	G.P. Vol. I pg. 319		X=		φ 41°34'51.44"	1587.0	264.1	
			Y=		λ 70°58'13.22"	306.2	1083.7	
PADANARAM BREAKWATER LIGHT, 1977 (field pos.)	G.P. Vol. I pg. 317		X=		φ 41°34'26.398"	814.4	1036.6	
			Y=		λ 70°56'23.229"	538.1	851.9	
BAREKNEED ROCK BEACON, 1934	G.P. Vol. I pg. 317		X=		φ 41°33'19.287"	595.0	1256.1	
			Y=		λ 70°55'56.695"	1313.8	76.7	
DUMPLING ROCK LIGHTHOUSE, 1904	G.P. Vol. I pg. 316		X=		φ 41°32'17.494"	539.7	1311.4	
			Y=		λ 70°55'19.099"	442.7	948.1	
			X=		φ			
			Y=		λ			
			X=		φ			
			Y=		λ			
			X=		φ			
			Y=		λ			
COMPUTED BY A. C. Rauck, Jr.		DATE 4/27/75	COMPUTATION CHECKED BY Irene Perkinson				DATE 4/30/75	
LISTED BY		DATE	LISTING CHECKED BY				DATE	
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY				DATE	

COMPILATION REPORT

TP-00771

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.

The extension of the area of Slocums River beyond the west limit of this map was requested by Hydrography and approved by Photogrammetry headquarters June 30, 1976 to expedite hydrography in the river area. Part of this river was compiled by stereo instrument methods and the balance was compiled graphically by establishing additional shoreline pass points in the required area.

36 - OFFSHORE DETAILS

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

TP-00771

Due to the glare and adverse water conditions revealed on the photographs, several charted rocks in the area of Slöcum's Ledge were not sufficiently visible to allow their delineation. The hydrographer has been asked to investigate this area.

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 Date 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 South, Mass., scale 1:24,000, dated 1963; and Westport, Mass.-R.I., scale 1:24,000 dated 1963.

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 13069, scale 1:20,000, 5th edition, dated January 27, 1973.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEM TO BE CARRIED FORWARD

None.

Submitted by,

J. R. Minton
for J. R. Minton
Cartographic Technician
March 5, 1976

Approved,

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

ADDENDUM TO THE COMPILATION REPORT

TP-00771

FIELD EDIT

Field edit was originally performed May 1976. However, additional edit was accomplished July 1977 to investigate omissions involving the initial edit. Landmark and navigational aid verification was performed September 1979.

A position for Dumpling Rocks Light was not determined because the editor thought the NGS station "Dumpling Rock Lighthouse, 1904" was the feature. According to two previous recoveries, this light was reconstructed some 77 feet south of the original lighthouse. A position for the light was field determined by the hydrographer (H-9644) and listed as Dumpling Rocks Light 1976.

Two "rocks" originally compiled near Slocums Ledge were not addressed during field edit(s). These rocks, along with several others west of Smith Neck, were originally compiled graphically from the infrared photographs. The color compilation photographs are obscured by heavy glare. The infrared have numerous imperfections and are very unreliable unless viewed stereoscopically. The two "rocks" omitted during field edit are visible only on one infrared photograph and are most likely photo imperfections. They were left on the manuscript and are addressed to the final reviewer.

GEOGRAPHIC NAMES

FINAL NAME SHEETS

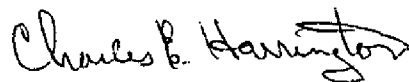
CM-7407 (Buzzards Bay and Elizabeth Islands, Massachusetts)

TP-00771

Allens Pond
Apponagansett Bay
Barekneed Rocks
Barneys Joy Point
Bayview
Buzzards Bay
Cedar Island
Cow Yard (locality)
Deepwater Point
Dumping Rocks
Georges Pond
Giles Creek
Great Neck
Keel Rock
Little River
Mishaum Point

Nonquitt
Padanaram Breakwater (cultural)
Pelegs Island
Plummer Memorial Bridge (cultural)
Potomska Point
Ragged Rocks
Ricketsons Point
Round Hill Point
Salters Point
Shore Acres
Slocums Neck
Slocums River
Smith Neck
South Dartmouth
White Rock

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

FIELD EDIT REPORT
BUZZARDS BAY AND ELIZABETH ISLANDS
MASSACHUSETTS

JOB CM-7407
MAP TP-00771

51. METHODS.

The shoreline was inspected by truck, boat and walking where the water depth was too shoal to run a boat.

52. ADEQUACY OF COMPILATION.

Compilation was adequate. The MHL was accepted as compiled. No significant shoreline changes were noted during field edit. A number of piers and rocks were overlooked in the Slocums River. These were located on photography and noted on the field edit ozalid.

53. RECOMMENDATIONS.

None.

56. LANDMARKS AND NON-FLOATING AIDS.

Three landmarks were verified during field edit. One landmark was deleted. A new position for (Padanaram Breakwater Light, 1934) was established (Lat. 41-34-26.398, Long. 70-56-23,229). This aid was rebuilt in 1951.

57. ROCKS, REEFS AND SHOALS.

There are numerous rocks on Map TP-00771 which were located on photography or verified on the field edit ozalid. One shoal area near the entrance of Slocums River was verified as compiled. There are numerous "Foul" areas outlined on the photographs.

58. PHOTOGRAPHY.

The photography was adequate.


Robert S. Tibbetts
July 1977

REVIEW REPORT TP-00771
SHORELINE

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: New Bedford South, Mass., dated 1963; and Westport, Mass., R.I., dated 1963.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Contemporary hydrographic activity common to this map is hydro survey H-9644, field surveyed September 1976, 1:10,000 scale. A comparison with an unregistered copy of H-9644 indicates that the hydrographer accepted the position of two uncertain "rocks" that were originally compiled 550 feet north of the buoy at Slocums Ledge (Lat. $41^{\circ}31.0'$, Long. $70^{\circ}58.1'$). These "rocks" were removed from the manuscript during final review because they do not appear on the photographs. These "rocks" were initially compiled graphically from an image, probably a photo imperfection, taken from one of five infrared photographs. None of the other photographs, including the color compilation photographs, revealed an image in the compiled area. Field edit did not address these features and the hydrographer surveyed an average of 22 foot soundings around the "rocks".

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 13228, 7th edition, 1:20,000 scale, dated September 25, 1982; 13229, 20th edition, 1:40,000 scale, dated March 24, 1984; and 13230, 34th edition, 1:40,000 scale, dated March 10, 1984.

The "rock(s)" charted north of buoy N "2" at Slocums Ledge as described in item #64 of this report were removed during final review. A final Chart Maintenance Print will be submitted describing the removal of this previously compiled feature.

TP-00771

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

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	R. TIBBETTS	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	J. RODERICK	OFFICE ACTIVITY REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' <i>(Consult Photogrammetric Instructions No. 64.)</i>		
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	<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 *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	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.	

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
 The following objects HAVE BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.
 OPR PROJECT NO. 503

REPORTING UNIT (Field Party, Ship or Office)
 Coastal Mapping Div.
 AMC, Norfolk, VA
 STATE
 Mass.
 LOCALITY
 Buzzards Bay
 Elizabeth Islands
 DATE
 Feb 21, 1980

JOB NUMBER
 CM-7407
 SURVEY NUMBER
 TP-00771
 DATUM
 N.A. 1927

CHARTING NAME	DESCRIPTION <i>(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)</i>	POSITION		LONGITUDE // D.P. Meters	METHOD AND DATE OF LOCATION <i>(See instructions on reverse side)</i>		CHARTS AFFECTED
		LATITUDE ° / D.M. Meters	LONGITUDE ° / D.P. Meters		OFFICE	FIELD	
LIGHT	* (Dumpling Rocks Lighthouse, 1904) This is not Dumpling Rocks Light						
DAY BEACON	Barekneed Rocks Daybeacon Barekneed Rock Beacon, 1934)	41 33	70 55	56.695 1313.8	74Z (I)9590 Apr 20, 1974	Triang Rec Sept 1979	13230 13229
LIGHT	(Padanaram Breakwater Light, 1977) field position	41 34	70 56	23.229 538.1	74Z (I)9590 Apr 20, 1974	F-2-6-L Aug, 1976	"

* Position for navigational aid "Dumpling Rocks Light" was not determined. Field recoveries, 1950 & 1963 indicate that a new light was constructed 77 feet south of the original lighthouse.

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	R. T. Ibbetts
POSITIONS DETERMINED AND/OR VERIFIED	R. T. Ibbetts
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	J. Roderick
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
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TYPE OF ACTION		RESPONSIBLE PERSONNEL		ORIGINATOR	
OBJECTS INSPECTED FROM SEAWARD		R. T. Ibbetts		<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. T. Ibbetts		FIELD ACTIVITY REPRESENTATIVE	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		J. Roderick		<input type="checkbox"/> OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	
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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
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