

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-00776	<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> CUTTYHUNK ISLAND		
<table border="1"><tr><td>1974 TO 19 77</td></tr></table>		1974 TO 19 77
1974 TO 19 77		
REGISTERED IN ARCHIVES		
DATE		

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00776</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>FINAL</u> JOB <u>PH. CM-7407</u>
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR		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__	
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 Jan. 30, 1974 (Premarking) Amendment I March 8, 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. O. Neterer, Jr.	Nov. 1975
COMPILATION CHECKED BY		A. Rauck, Jr.	Nov. 1975
INSTRUMENT: Wild B-8		CONTOURS BY	N.A.
SCALE: 1:10,000		CHECKED BY	N.A.
4. MANUSCRIPT DELINEATION PLANIMETRY BY		D. Butler	Dec. 1975
CHECKED BY		A. L. Shands	Dec. 1975
METHOD: Smooth drafted		CONTOURS BY	N.A.
CHECKED BY		N.A.	
SCALE: 1:10,000 HYDRO SUPPORT DATA BY		D. Butler	Nov. 1975
CHECKED BY		A. L. Shands	Dec. 1975
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		A. L. Shands	Dec. 1975
6. APPLICATION OF FIELD EDIT DATA BY		F. Mauldin	Feb. 1978
CHECKED BY		L. O. Neterer, Jr.	Feb. 1978
7. COMPILATION SECTION REVIEW BY		L. O. Neterer, Jr.	Feb. 1978
8. FINAL REVIEW BY		J. Hancock	Sept. 1984
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		J. Hancock	Feb. 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		J. Sched	March 1985
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R. Kohnspan	April 1985

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	
<input type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
74 E(C) 4738 - 4740	Apr. 18, 1974	10:50	1:30,000	0.3 ft. above MLW*
74 Z(I) 9534 - 9537	Apr. 20, 1974	11:08	1:30,000	0.2 ft. below MLW**

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

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

5. FINAL JUNCTIONS

NORTH No survey.	EAST TP-00775	SOUTH No survey	WEST No survey
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REMARKS

TP-00776

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	RECOVERED BY R. Tibbetts	April 1974
	ESTABLISHED BY R. Tibbetts	April 1974
	PRE-MARKED OR IDENTIFIED BY L. Davis	April 1974
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 None	
	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 BY <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)9466	GOOSEBERRY NECK 2, (USE), 1934 (Paneled direct, Sta. falls west of project limits)		
74E(C)4739	CUTTYHUNK (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)
1 Form 152 and 1 Form 76-53 (CSI Cards), 1 Form 76-77 (Tide Record Book)

TP-00776

HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	Sept. 1977
2. HORIZONTAL CONTROL	RECOVERED BY R. Tibbetts	Sept. 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	Sept. 1977
	LOCATED (Field Methods) BY R. Tibbetts	Sept. 1977
	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 H. V. Hart	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)

74 E(C) 4738, 4739 (RATIOS, Black/White Prints)

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
Field Edit Paper Print
Forms 76-40 (2)

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.	Dec. 1975	Class III manuscript SUPERSEDED	July 1976	April 1976
Field edit applied, compilation complete	Feb. 1978	Class I SUPERSEDED	Mar. 1978	Mar. 1978
Final Review	Sept. 1984	Final Map	March 1985	March 1985

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

PAGES XXXXXX	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		May 22, 1980	Landmarks for charts.
1		May 22, 1980	Aids for charts.
2			Landmarks and Aids for charts.

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

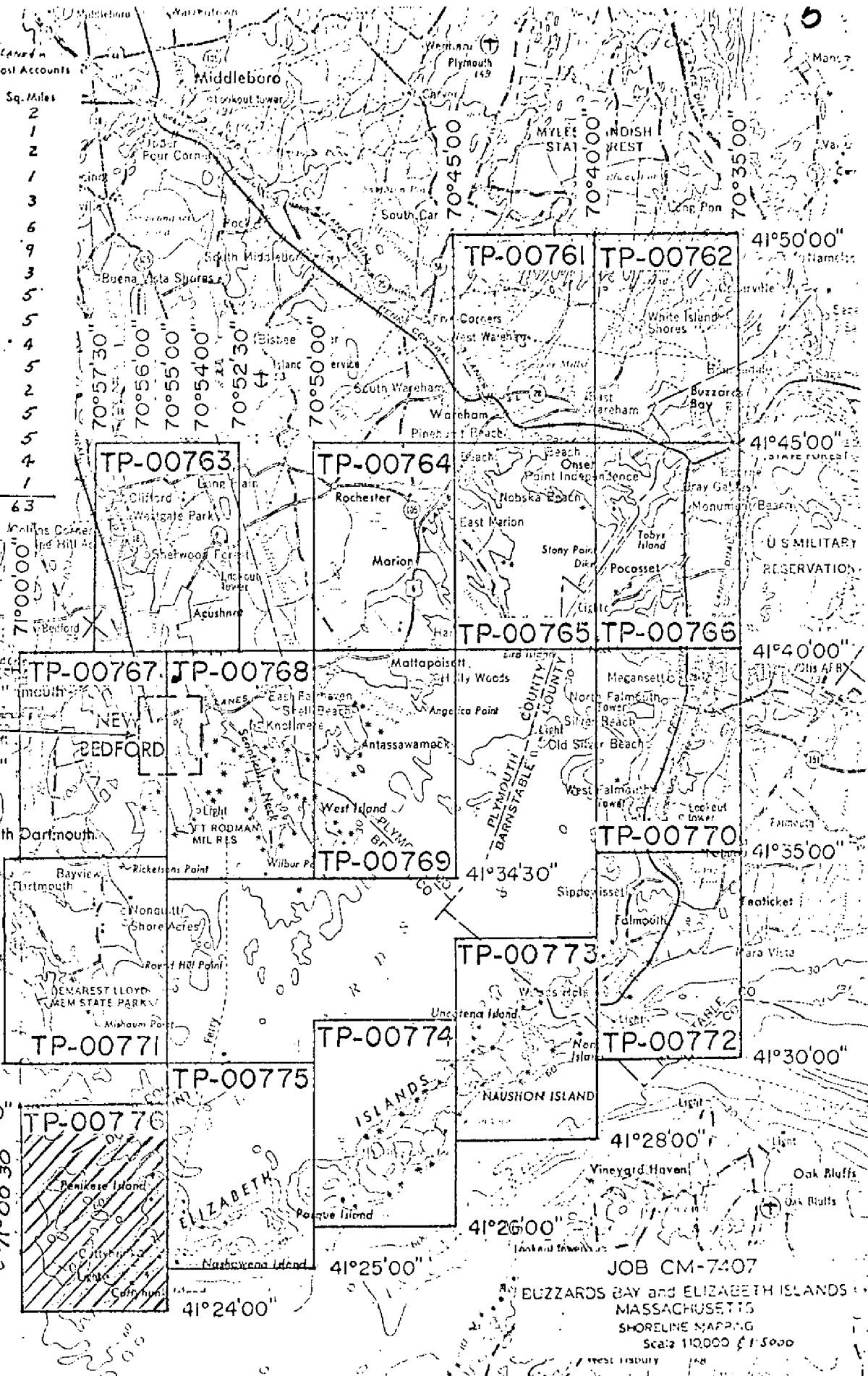
1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS. ~~XXX~~ 76-40 SUBMITTED BY FIELD PARTIES.
3. SOURCE DATA (except for Geographic Name Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
4. DATA TO FEDERAL 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 - _____	<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 - _____	<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 - _____	<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	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



SOUND

Revised 5-27-75 7-13-76 R/W

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

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00776

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

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

This map portrays the shoreline surrounding the majority of Penikese Island and Cuttyhunk Island. This map defines the southwest limit 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 December 1975. 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 the contemporary hydrographic operations. The hydro survey common to this map, H-9645, was field accomplished but is unprocessed and currently is in an inactive status.

TP-00776

Field edit was conducted September 1977 by a photogrammetric field party. Application of this data was accomplished at the original compilation office February 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 September 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-00776

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.

8

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

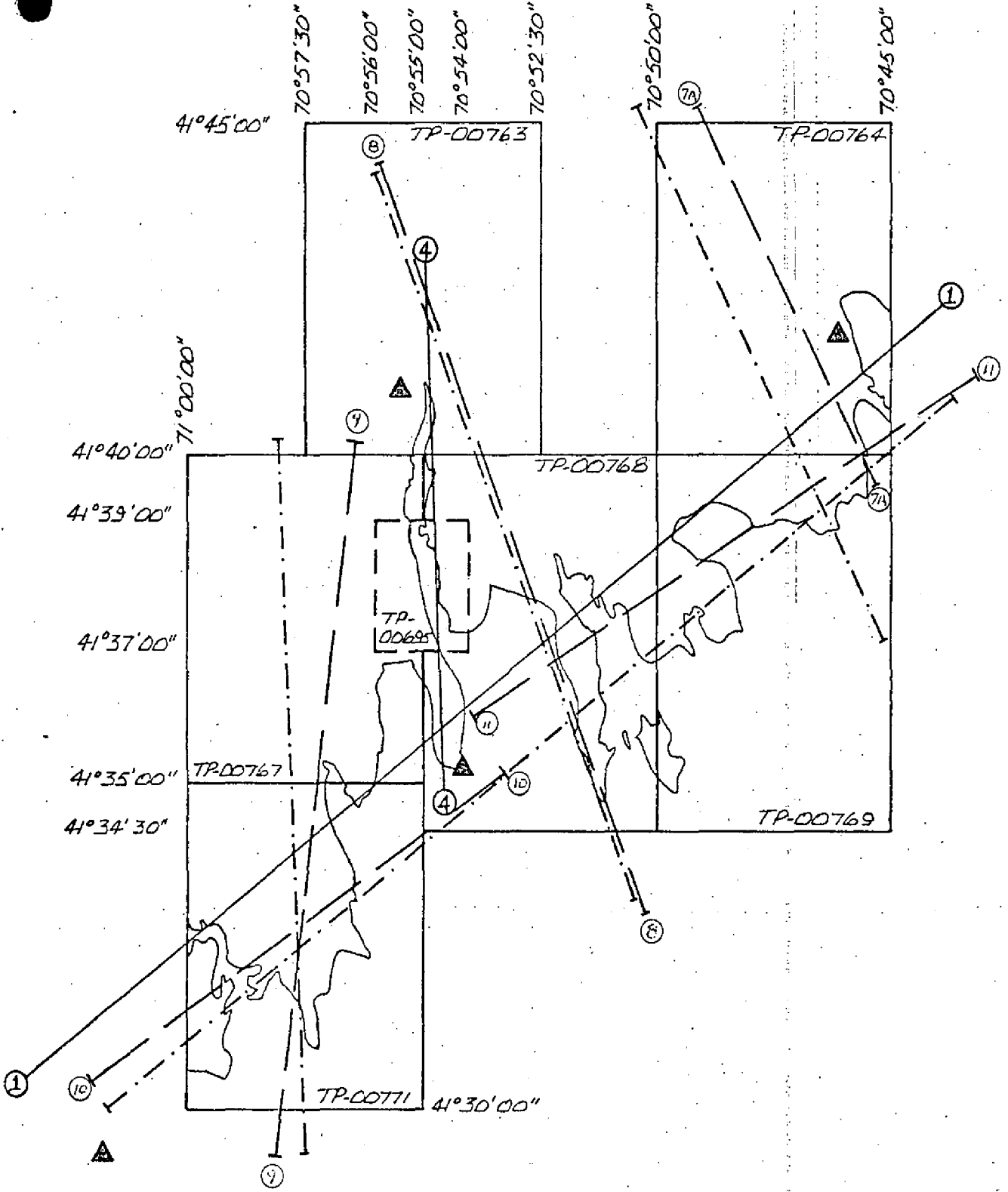
Photography was adequate as to overlap and coverage.

Submitted by:

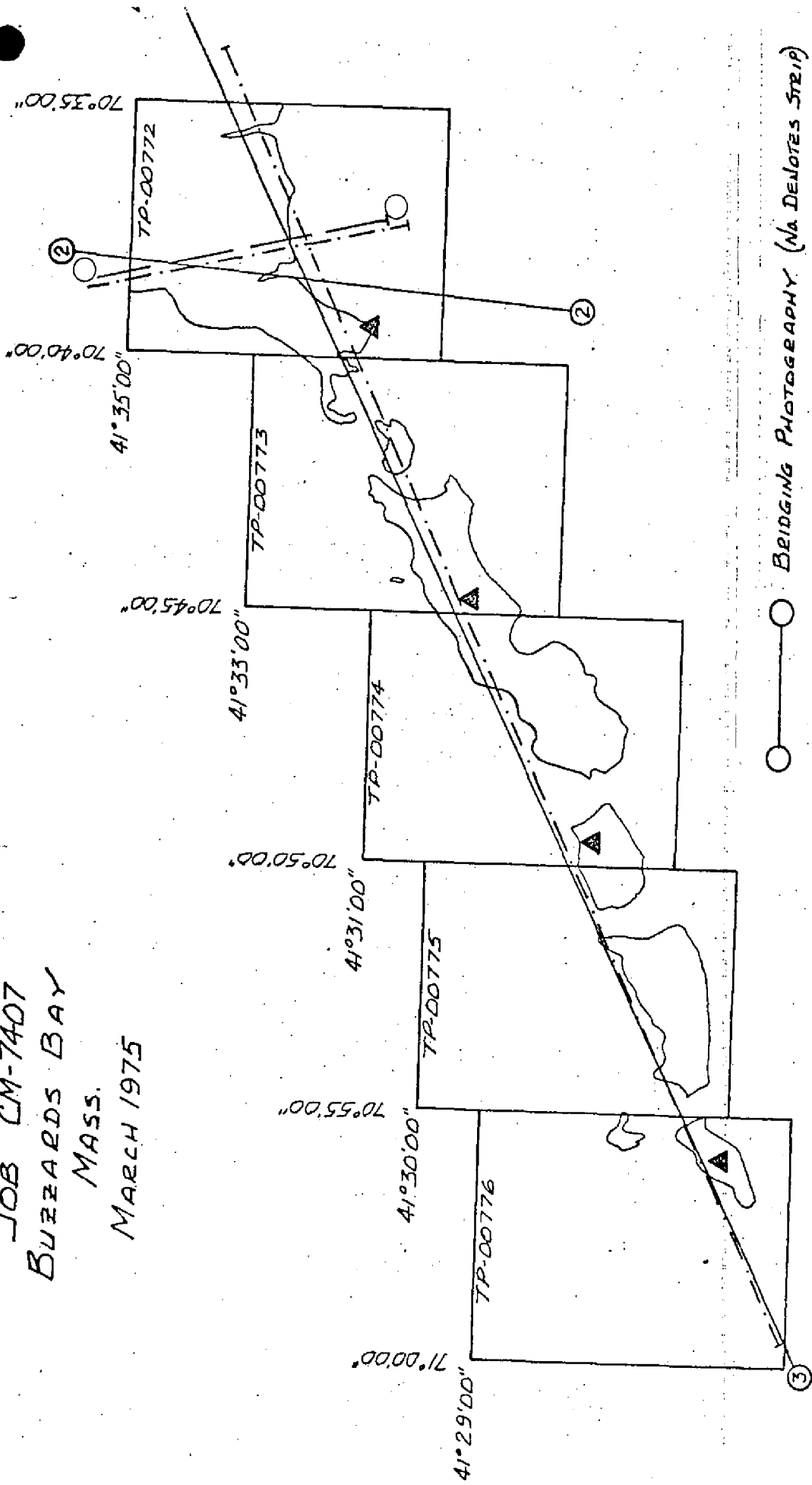
Michael L. McGinley
Michael L. McGinley

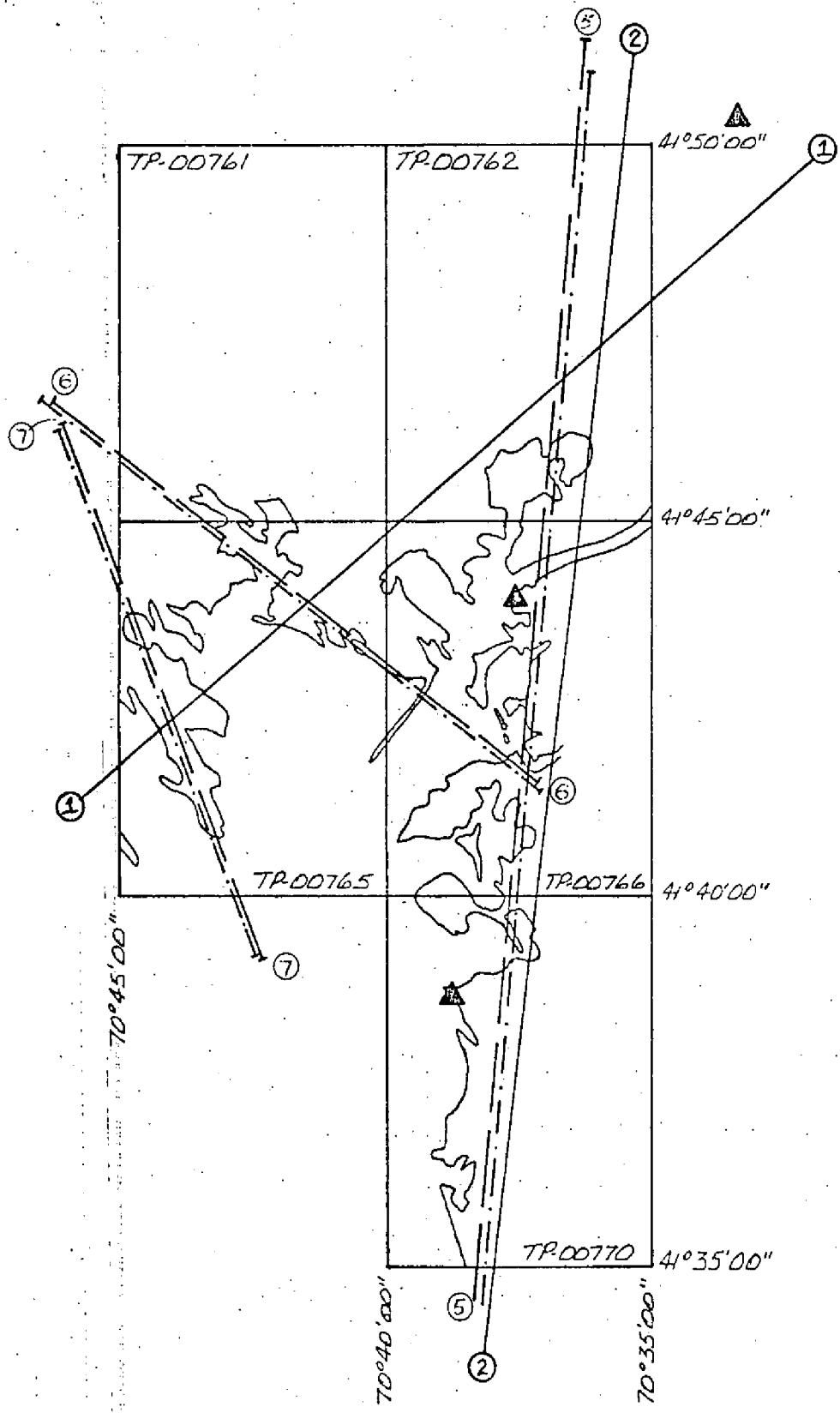
Approved by:

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.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	GEODETTIC DATUM		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY		
					STATE	ZONE	ϕ LATITUDE	λ LONGITUDE	FORWARD	BACK	REMARKS
TP-00776	CM-7407				N.A.	1927			Coastal Mapping Unit, Atlantic Marine Ctr., Norfolk, VA		
		PENIKESE, 1948	G.P. Vol. 1 Page 520		X=		ϕ 41° 27' 03.516"			108.5	1742.5
					Y=		λ 70° 55' 26.254"			609.4	783.3
		CUTTYHUNK (USE), 1934	G.P. Vol. 1 Page 219		X=		ϕ 41° 25' 13.628"			420.4	1430.6
					Y=		λ 70° 56' 03.629"			84.3	1390.0
		GOSNOLDS MONUMENT, 1904	G.P. Vol. 1 Page 408		X=		ϕ 41° 24' 50.578"			1560.3	290.7
					Y=		λ 70° 56' 54.720"			1270.9	122.6
					X=		ϕ				
					Y=		λ				
					X=		ϕ				
					Y=		λ				
					X=		ϕ				
					Y=		λ				
					X=		ϕ				
					Y=		λ				
					X=		ϕ				
					Y=		λ				
					X=		ϕ				
					Y=		λ				
COMPUTED BY	A.C. Rauck, Jr.				DATE	COMPUTATION CHECKED BY					
LISTED BY					DATE	I. Peirkinson					
HAND PLOTTING BY					DATE	LISTING CHECKED BY					
					DATE	HAND PLOTTING CHECKED BY					
					DATE	DATE					
					DATE	DATE					
					DATE	DATE					

COMPILATION REPORT

TP-00776

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

Reference was made to two unreviewed Class II₂ shoreline sheets (T-12471, T-12472) within project PH-6311. These 1:10,000 scale manuscripts were compiled in 1963.

Alongshore detail (specifically rocks) was compared and an attempt was made to photo verify the most hazardous rocks. Significant differences in the most offshore rock positions were addressed to the field editor as required by Project Instruction dated December 4, 1975.

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 was 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.

Individual rocks could not be identified around Cuttyhunk Island because of the sun glare and heavy surf. The field editor will need to locate representative rocks in that area.

TP-00776

37 - LANDMARKS AND AIDS

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

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated April 1975.

46 - COMPARISON WITH EXISTING MAPS

U.S. Geological Survey Quadrangle Cuttyhunk, MA, 1:24,000 scale, dated 1972.

Comparison was also made with U.S. Coast and Geodetic Survey shoreline manuscripts T-12471 and T-12472. See Item #33, Supplemental Data.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS Charts: 13229, 5th edition, dated January 18, 1975, 1:40,000 scale (includes inset at 1:12,000); and 13230, 26th edition, dated November 2, 1974, 1:40,000 scale.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

Gary J. Hancock
for David Butler
Cartographic Aid
December 3, 1975

Approved,

Gary C. Rauck, Jr.

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

ADDENDUM TO THE COMPILATION REPORT

TP-00776

FIELD EDIT

Field edit was accomplished September 1977.

The editor recommended a new landmark, Cuttyhunk Wind Turbine and mentioned in his report that a position was listed on the field 76-40 form. This position was not recorded as indicated; consequently, a location is not available.

The accuracy involving the field photo identification of alongshore/offshore rocks was questioned. In various cases, photo identification of specific rocks was performed on the ratio photos where glare and/or heavy surf are very apparent. In most instances, these rocks were incorporated into a foul limit which depicts the most offshore hazards.

GEOGRAPHIC NAMES

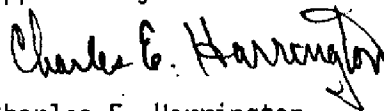
FINAL NAME SHEET

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

TP-00776

Buzzards Bay
Copicut Neck
Cuttyhunk
Cuttyhunk Harbor
Cuttyhunk Island
Cuttyhunk Pond
Elizabeth Islands
Gosnold Island
Pease Ledge
Penikese Island
Vineyard Sound
Westend Pond

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

FIELD EDIT REPORT
Job CM - 7407
Buzzard's Bay, Massachusetts
TP-00776 Cuttyhunk Island

This sheet was field edited during the 1977 summer season.

52. Adequacy of Compilation - The compilation on this sheet is considered generally good. It will be complete after the field edit data is applied.

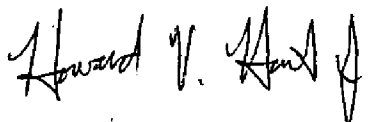
54. Recommendations - None.

56. Shoreline and Alongshore Features - The entire shoreline was inspected from seaward and all ledge and foul limits were verified. The pond at the west end of the island is referred to as West End Pond and not Gosnolds Pond. The pilings in Cuttyhunk Pond were located with sextant fixes. The ruins along the southeast shore are compiled correctly. No wrecks were found on the shoreline. All bluffs and their heights are indicated on the Field Edit Ozalid. The rock data is indicated on photographs 74E 4738, 74E 4739.

57. Offshore Features - Pease Ledge was located on photograph 74E 4738. Whale Rock was not visible. See hydrographic data for position. The rocks in question off the southwest tip of the island are submerged and not visible. See hydrography.

58. Landmarks and Aids - The fixed aids for navigation were field verified and form 76-40 is submitted. The Cuttyhunk Detection Tower has been destroyed. Gosnolds Monument 1904 was recovered and is a good landmark. There is a new wind-powered electricity generator on the highest hill on the island and is an excellent landmark. The center of the structure was located and the position was noted on form 76-40. Not submitted.

59. General Statement - 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-00776
SHORELINE

61. GENERAL STATEMENT

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

A comparison was made with two unreviewed Class II maps (T-12471 and T-12472) from project PH-6311. Project PH-6311 was registered July 1976. Field edit for these 1:10,000 scale maps was canceled and the project was scheduled for final review when this project, CM-7407, was initiated to provide current shoreline data.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S. Geological Survey Quadrangle Cuttyhunk, MA, 1:24,000 scale, dated 1972.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Contemporary hydrographic activity common to this map was assigned as H-9645. The survey was physically accomplished; however, the field data is unprocessed and the completion date is unscheduled.

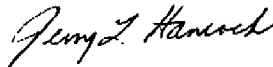
65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 13229, 20th edition, dated March 24, 1984, 1:40,000 scale (1:12,000 scale inset); and 13230, 34th edition, dated March 10, 1984, 1:40,000 scale.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

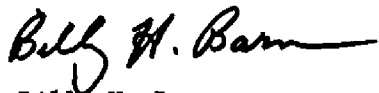
Submitted by,



Jerry L. Hancock
Final Reviewer

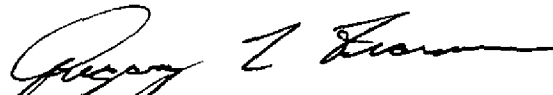
TP-00776

Approved for forwarding,



Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,



Gregory L. Farnsworth
Chief, Photogrammetric Section, Rockville



Ronald K. Brewer
Chief, Photogrammetry Branch,
Rockville

RESPONSIBLE PERSONNEL		ORIGINATOR
TYPE OF ACTION	NAME	
OBJECTS INSPECTED FROM SEAWARD	R. Tibbets	<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. Tibbets	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	F. Mauldin	<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 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 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	I.I. 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
**FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.		
**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.		

TYPE OF ACTION	RESPONSIBLE PERSONNEL		ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	R. Tibbets		<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. Tibbets F. Mauldin		<input type="checkbox"/> FIELD ACTIVITY REPRESENTATIVE <input type="checkbox"/> OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION (Consult Photogrammetric Instructions No. 64)		<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
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	I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field P - Photogrammetric L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 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-2-6-1 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-Vls.' and date. EXAMPLE: V-Vls. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.		

