NOAA FORM 76-35 (6-80)

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

DESCRIPTIVE REPORT

Map No.		Edition No.
	TP-00763	1
Job No.	CM-740₹	
Map Classificat	ion	
	FINAL, FIELD EDI	TED MAP
Type of Survey	SHORELINE	
	LOCALIT	Y
State	MASSACHUSETTS	
General Localit	у	
	BUZZARDS BAY	
Locality	ACUSHNET RIVER	
	19 ₇₄ TO 19) ₇₉
\	GISTERED IN A	RCHIVES
DATE		

NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	survey TP- 00763
	2 ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS Final
	REVISED	лов мж. <u>СМ-74</u>07
PHOTOGRAMMETRIC OFFICE	LAST PRECEEDI	NG MAP EDITION
Coastal Mapping Division, Norfolk, VA Atlantic Marine Center	TYPE OF SURVEY	JOB PH-
	ORIGINAL ORIGINAL	MAP CLASS
OFFICER-IN-CHARGE	RESURVEY	SURVEY DATES:
Jeffrey G. Carlen, CDR	REVISED	19TO 19
I. INSTRUCTIONS DATED		
1. OFFICE	2.	FIELD
Aerotriangulation March 20, 1975	Horizontal Control	January 30, 1974
Compilation April 17, 1975	(Premarking)	
Memo November 12, 1975	Amendment I	March 08, 1974
Amendment PH-6311 November 14, 1975		, -
Supplement I December 04, 1975		
Supplement II July 19, 1976		
11. DATUMS	<u></u>	
1 NeptronTel	OTHER (Specify)	
1. HORIZONTAL: 1927 NORTH AMERICAN 1927 NORTH 1927 NORTH AMERICAN 1927 NORTH AMERICAN 1927 NORTH AMERICAN 1927 NORTH		
X MEAN HIGH-WATER	OTHER (Specify)	
2. VERTICAL:		
MEAN LOWER LOW-WATER MEAN SEA LEVEL		
3. MAP PROJECTION	<u> </u>	
	STATE	ZONE
Lambert Conformal	Massachusetts	Mainland
5. SCALE 1:10,000	STATE	ZONE
III. HISTORY OF OFFICE OPERATIONS	<u> </u>	<u> </u>
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY	M. McGinley	April 1975
METHOD: Analytic LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS PLOTTED BY	R. Robertson	April 1975
METHOD: Calcomp CHECKED BY	R. Robertson	April 1975
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	L. Neterer	Jan. 1976
COMPILATION CHECKED BY	A. Rauck	Jan. 1976
INSTRUMENT: Wild B-8 CONTOURS BY	N.A.	
SCALE: 1:10,000 CHECKED BY	N.A. J. Roderick	Jan. 1976
4. MANUSCRIPT DELINEATION PLANIMETRY BY	F. Margiotta	Feb. 1976
CONTOURS BY	N.A.	1-ED: T3/0
METHOD: Smooth drafted CHECKED BY	N.A.	<u> </u>
HYDRO SUPPORT DATA BY	J. Roderick	Jan. 1976
SCALE: 1:10,000 CHECKED BY	F. Margiotta	Jan. 1976
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	F. Margiotta	Jan. 1976
BY	F. Margiotta	Jan. 1980
6. APPLICATION OF FIELD EDIT DATA CHECKED BY	J. Roderick	Jan. 1980
7. COMPILATION SECTION REVIEW BY	J. Hancock	Dec. 1984
8. FINAL REVIEW BY	J. Hancock	Feb. 1985
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	J. Hancock	Feb. 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	J. Schad	march 1985
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	R. KOLHSPAH	April 1985

NOAA FORM 76-36B (3-72)		•	TP-0076	;3 ^N	IATIONAL OCE	U. ANIC AND	ATMOSPHI	ERIC ADM	F COMMERC INISTRATIO EAN SURVE
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74E (C) 4837-4838	,	Apr.20,1974 Apr.20,1974	12:50 12:50		1:30,000	- I)3 ft. a)3 ft. a		
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				 <u>-</u>					
4. CONTEMPORARY HYD	ROGRAPHIC	SURVEYS (List of	nly those s	urveys th	at are sources i	for photogra	mmetric su	rvey inform	nation.)
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5. FINAL JUNCTIONS									
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		RECOVERED I			A	<u>pril 1974</u>
2. HORIZONTAL (CONTROL	. ESTABLISHED				
		PRE-MARKED OR IDENTIFIED				<u>pril 1974</u>
3. VERTICAL CON	NTROL	ESTABLISHED!				
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4. LANDMARKS AL		COVERED (Triangulation Stations)				
AIDS TO NAVIG		LOCATED (Field Methods)				
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5. GEOGRAPHIC N	NAMES	COMPLETE			ĺ	
INVESTIGATION		SPECIFIC NAMES ONLY	BY			
		NO INVESTIGATION			ĺ	
6. PHOTO INSPEC	TION	CLARIFICATION OF DETAILS	by None			
7. BOUNDARIES A	ND LIMITS	SURVEYED OR IDENTIFIED				
II. SOURCE DATA						
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None	ND A103 TO	AVIGATION IDENTIFIED				
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER		OBJECT NAM	16
5. GEOGRAPHIC N	NAMES:	REPORT NONE	6, BOUNDARY AND	LIMITS	REPORT	NONE
7. SUPPLEMENTA None	AL MAPS AND F	PLANS			C. N.C. VKI	NO.
		rtch books, etc. DO NOT list dele su rm 76~53, 1 Fårm 266,	·	ision)		

	OPERATIONS D EDIT OPERATION NA R. Tibbetts		DATE
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	R. Tibbetts	ME	DATE
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	None		Dept. 1
	None		
ENTIFIED BY	None		†
COVERED BY	None	· · · · · · · · · · · · · · · · · · ·	†
ABLISHED BY	None	<u></u>	
ENTIFIED BY	None		
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	None		
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NONE

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

6. BOUNDARY AND LIMITS:

Field Edit Report

7. SUPPLEMENTAL MAPS AND PLANS

5. GEOGRAPHIC NAMES:

None

l Field edit paper print

REPORT

1 Form 76-40

X NONE

REPORT

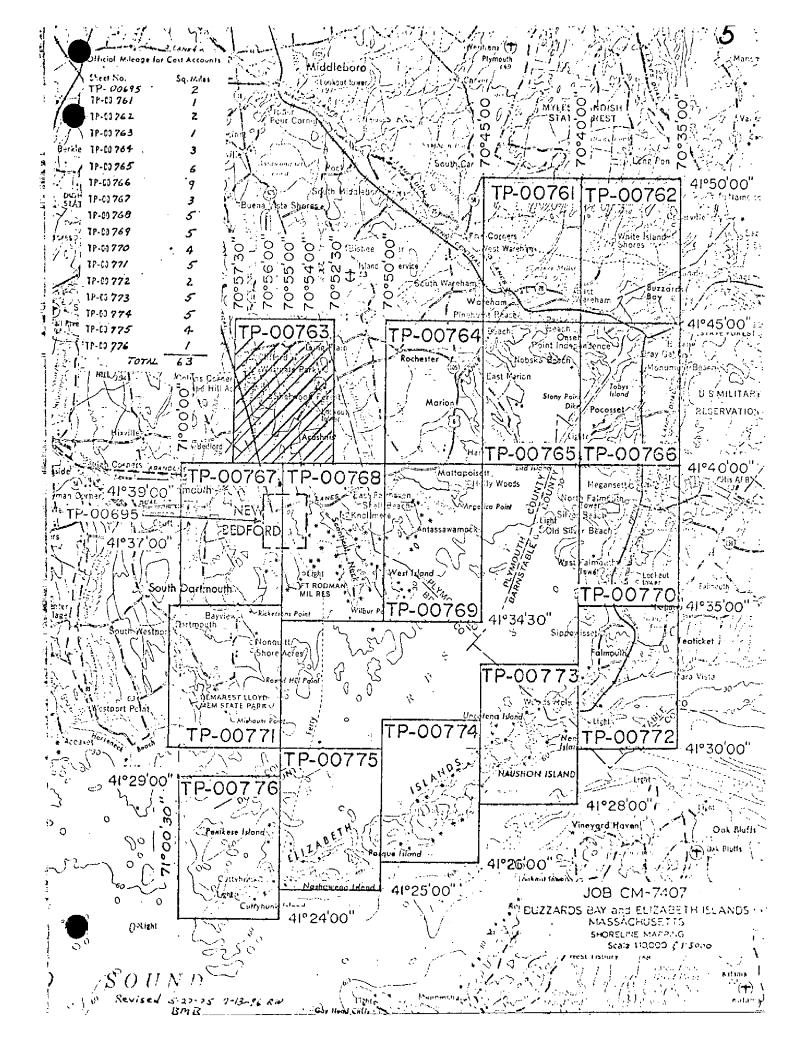
NOAA FORM 76-36D (3-72)

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

TP-00763

RECORD OF SURVEY USE

I. MANUSCRIP	T COPIES		- <u></u>		+				
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	t applied, on complete.	Jan. 1980	Class I M SUPERSEDE			Jan. 19	980	Jan.	1980
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		March							
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I. REPORT	TS TO MARINE CHART DI		DATA BRANCH						-
(pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED			REMA	RKS			
1		May.1980	Landmarks	for dele	tion				
					_				
	<u> </u>		,						
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: CONTROL STATION IDENTIFICATION CARDS; FORM NOS SER SUBMITTED BY FIELD PARTIES.									
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4. 🔲 DA	TA TO FEDERAL RECOF	RDS CENTER. DATI	E FORWARDED:						
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SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

TP-00763

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 inland shoreline of Acushnet River.

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 1:15,000 scale compilation photos taken October 1974. Additional photography included the 1:30,000 scale compilation photos and the 1:30,000 MLW infrared photos, both taken April 1974.

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

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

Compilation by office interpretation of the 1:15,000 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-9669, was field accomplished but is unprocessed and currently is in an inactive status.

TP-00763

Field edit was conducted August 1979 by a photogrammetric field party, Application of this data was accomplished at the original compilation office January 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-00763

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 Identifiecation form at the time of the field work, but was furnished by the Norfolk Office at a later date. It is believed an error in this distance is the cause for the point not holding in the strip adjustments.

The center panel of the target for Goosberry Neck 2 (USE) 1934 was not in place at the time of photography. Only the three legs were visible.

Neither one of the two field-identified substitute points for USE 6 1934 could be found on the 1:15,000-scale bridging photography (Strip 4).

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

24. Supplemental Data

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

25. Photography

Photography was adequate as to overlap and coverage.

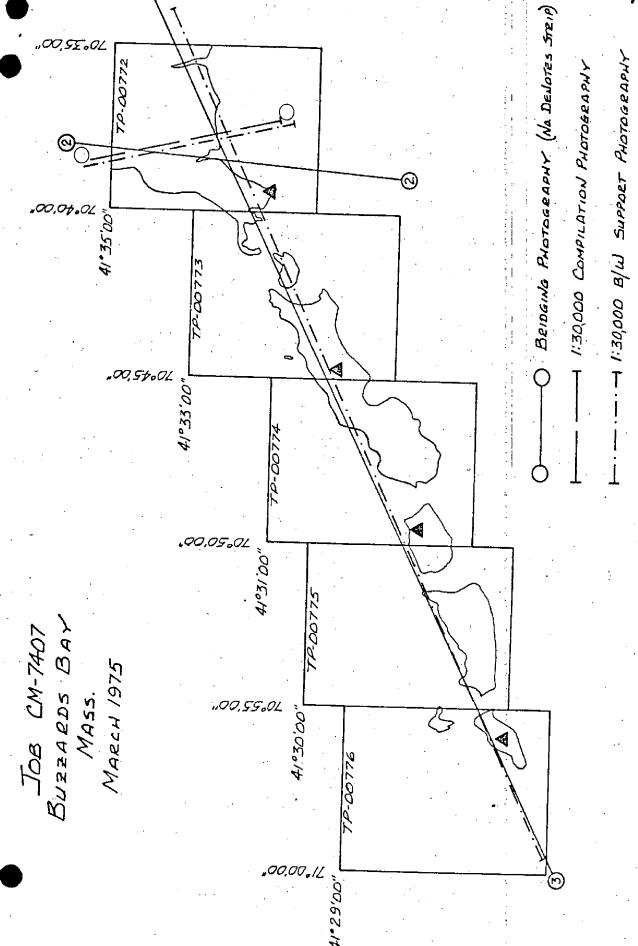
Submitted by:

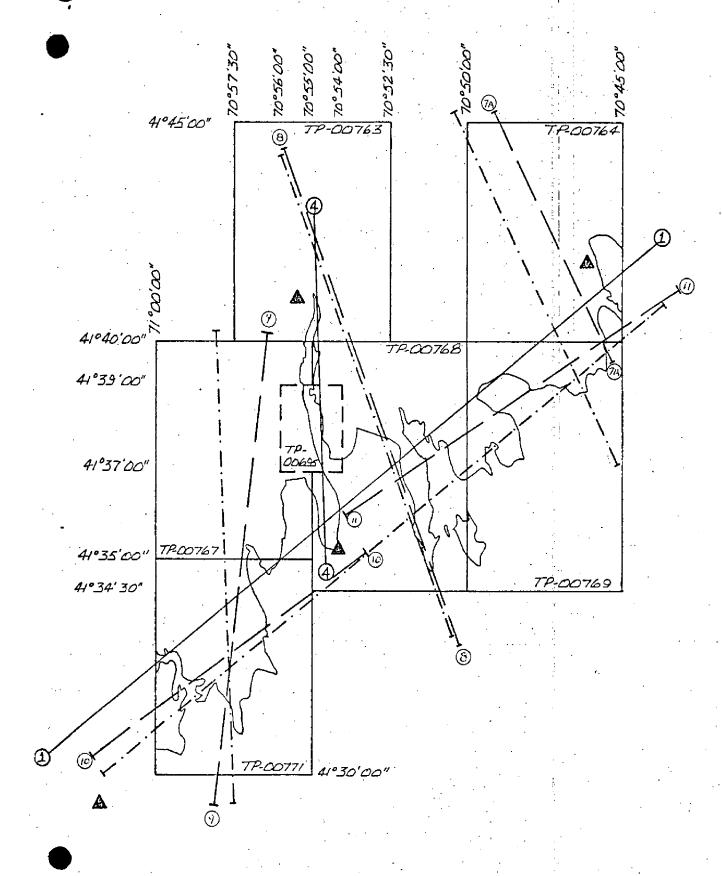
Michael L. McGinley

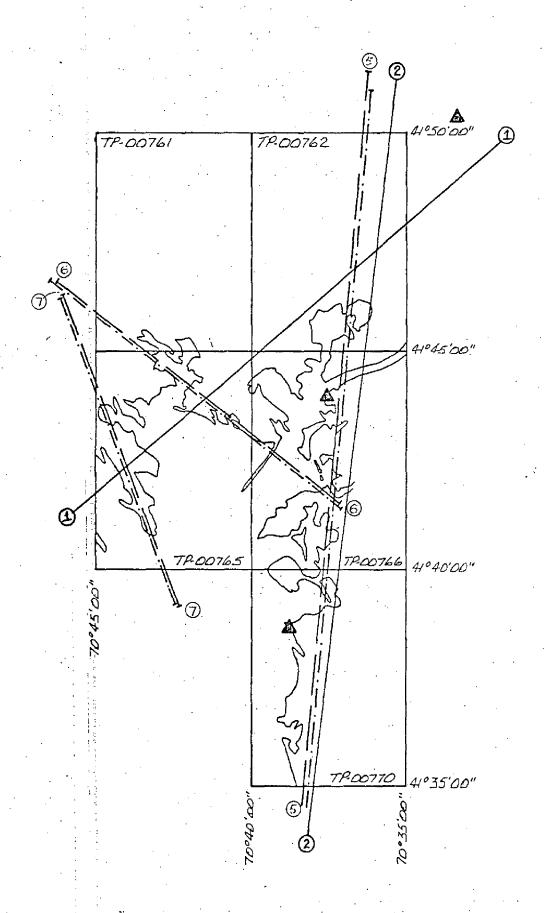
Approved by

John D. Perrow, Jr.

 $u_{
m Chief}$, Aerotriangulation Section







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E, 1887 TOWER, 1934 EGEOATIONAL IJV (PERRY HILL pg. 787) IJV (PE	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE	GEOGRAPHIC POSITION	REM	ARKS BACK
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COMPILATION REPORT

TP-00763

31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. The Wild B-8 plotter was used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:15,000 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 1:15,000 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-00763

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 Quadrangle: New Bedford North, Mass., scale 1:24,000, dated 1964.

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 (1:20,000 inset); 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,

Jing & Harrol In Joanne Roderick Cartographer January 27, 1976

Approved,

Juny 1. Harval

for Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00763

FIELD EDIT

Field edit was accomplished by coastal mapping field personnel August 1979. Application of the edit data advanced the manuscript to Class I.

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00763

Acushnet

Acushnet River

New Bedford

Approved by:

Charles E. Harrington Chief Geographer Nautical Charting Division

FIELD EDIT REPORT

BUZZARDS BAY AND ELIZABETH ISLANDS

MASSACHUSETTS

JOB CM-7407

MAP TP-00763

51. METHODS.

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

52. ÄDEQUACY OF COMPILATION.

Compilation was adequate. The MHL was accepted as compiled. No significant shoreline changes were noted during field edit. There were some changes in the marsh limits, these have been noted on the field edit ozalid and appropriate photograph.

54. RECOMMENDATIONS.

None.

56. LANDMARKS and AIDS TO NAVIGATION.

There are no non-floating aids within the limits of this sheet. One landmark has been deleted.

57. PHOTOGRAPHY.

The photography was adequate.

Robert S. Tibbetts.

Aug. 1979

REVIEW REPORT TP-00763 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 with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S. Geological Survey Quadrangle New Bedford North, Mass., 1:24,000 scale, dated 1964.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Contemporary hydrographic activity common to this map was assigned as hydro survey H-9669. This survey was physically accomplished; however, the field data is currently unprocessed and the completion date is unscheduled.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Nautical Charts: 13229, 20th edition, 1:40,000 scale (1:20,000 partial inset), 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 Final Reviewer

Approved for forwarding,

Billy H. Barn

Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved,

Chief, Photogrammetric Section, Rockville

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Chief, Photogrammetry Branch, Rockville

HYDROGRAPHIC PARTY
GEODETIC PARTY
DHOTO FIELD PARTY
X COMPILATION ACTIVITY
FINAL REVIEWER
UALITY CONTROL & REVIEW GRP.
COAST PILOT BRANCH
(See revorse for responsible pursonnel) AFFECTED . 114SC CHARTS .249 ORIGINATING ACTIVITY Aug 15, 1979 METHOD AND DATE OF LOCATION (See instructions on reverse side) V-VIS FIELD , Jan 1980 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION LANDMARKS FOR CHARTS Not visible OFFICE DATE been inspected from seaward to determine their value as landmarks.
| SURVEY.NUMBER | DATUM D.P. Meters LONGITUDE Elizabeth Island 55.1 Buzzards Bay 1927 , 0, POSITION LOCALITY D.M. Meters Ν.Α. LATITUDE 40, Massachusetts **41** DESCRIPTION (Record reason for deletion of landmark or ald to navigation. Show triangulation station names, where applicable, in parantheses) STATE TP-00763 REPORTING UNIT Field Party, Ship or Office) No longer exists. CM-7407 Replaces C&GS Form 567, TTO BE CHARTED TO BE REVISED NOAA FORM 76-40 (8-74) 503 CHARTING TANK

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TYPE OF ACTION	ZAME		ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD			E PHOTO FIELD PARTY HYDROGRAPHIC PARTY
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TO THE DETERMINED AND/OR VERIFIED	R. TIB	TIBBETTS	FIELD ACTIVITY REPRESENTATIVE
	F. MAR	MARGIOTTA	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES			REVIEWER REPRESENTATIVE
=	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,	METHOD AND DATE OF LOCATION'	
OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to	VIED OBJECTS (including month,	FIELD (Cont'd) B. Photogrammetric fie entry of method of date of field work	mmetric field positions** require method of location or verification, field work and number of the photo-
dentify XAMPLE:	ject.		to locate or identify the object. 3-8-V 3-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols F - Field P - Photogrammet	VERIFIED by symbols as follows:	ION STATI	also a
Located Vis	Vis - Visually 5 - Field identified	angulation station is Rec.! with date of rec EXAMPLE: Triang. Rec. 8-12-75	recovered, enter 'Irlang. recovery. ec.
ב יטיסו וו	Theodolite	8-12-75	
1 I	Planetable Sextant	+	UALLY ON PHOTOGRAPH
sitions*	require entry of method of of field work.	EXAMPLE: V-Vis. 8-12-75	
EXAMPLE: 1-2-5-L 8-12-75		**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control establishe	IC FIELD POSITIONS are dependent In part, upon control established
*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.	d by field obser-		a. v.
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NOAA FORM 70-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION,

HAUTICAL CHART DIVISION

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 Vi
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