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-00769	1

Job No.
CM-7407

Map Classification
FINAL, FIELD EDITED MAP

Type of Survey
SHORELINE

LOCALITY

State
MASSACHUSETTS

General Locality
BUZZARDS BAY

Locality
MATTAPOISETT HARBOR

1974 TO 1980

REGISTERED IN ARCHIVES

DATE

*U.S. GOVERNMENT PRINTING OFFICE: 1980-665-115

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP. 00769

MAP EDITION NO. (1)

MAP CLASS FINAL

JOB PH CM-7407

PHOTOGRAMMETRIC OFFICE: Coastal Mapping Division, Norfolk, VA
Atlantic Marine Center

OFFICER-IN-CHARGE: Jeffrey G. Carlen, CDR

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED

JOB PH-

MAP CLASS

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Aerotriangulation	March 20, 1975	Horizontal Control (Premarking)	January 30, 1974
Compilation	April 17, 1975	Amendment I	March 08, 1974
Memo	November 12, 1975		
Amendment PH-6311	November 14, 1975		
Supplement I	December 04, 1975		
Supplement II	July 19, 1976		

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [X] MEAN LOW-WATER [ ] MEAN LOWER LOW-WATER [ ] 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 METHOD: Analytic	BY	M. McGinley	April 1975
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp	PLOTTED BY	R. Robertson	April 1975
	CHECKED BY	R. Robertson	
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:10,000	PLANIMETRY BY	L. O. Neterer, Jr.	Feb. 1976
	CHECKED BY	A. C. Rauck, Jr.	Feb. 1976
	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION METHOD: Smooth drafted SCALE: 1:10,000	PLANIMETRY BY	I. Parkinson	May 1976
	CHECKED BY	F. Margiotta	May 1976
	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
	HYDRO SUPPORT DATA BY	I. Parkinson	May 1976
	CHECKED BY	F. Margiotta	May 1976
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	F. Margiotta	May 1976
6. APPLICATION OF FIELD EDIT DATA	BY	F. Margiotta/J. Roderick	Feb.1980/81
	CHECKED BY	J. Roderick/F. Mauldin	Mar.1980/81
7. COMPILATION SECTION REVIEW	BY	F. Mauldin	Mar. 1981
8. FINAL REVIEW	BY	J. Hancock	Nov. 1984
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	J. Hancock	Feb. 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	J. Schad	March 1985
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. Kornspan	April 1985

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

*U.S. GOVERNMENT PRINTING OFFICE-1977-765-092

NOAA FORM 76-36B
(3-72)

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

TP-00769

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
(C) COLOR
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE
ZONE: Eastern — [X] STANDARD
MERIDIAN: 75th — [ ] DAYLIGHT

TIDE STAGE REFERENCE
[ ] PREDICTED TIDES
[X] REFERENCE STATION RECORDS
[X] TIDE CONTROLLED PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
74C(C)9470	Apr.18,1974	10:16	1:60,000	0.2 ft. above MLW***
74E(C)4750-4754	Apr.18,1974	11:11	1:30,000	0.4 ft. above MLW*
74E(C)4761	Apr.18,1974	11:21	1:30,000	0.5 ft. above MLW*
74Z(I)9594-9597	Apr.20,1974	13:14	1:30,000	0.18 ft. above MLW**
74Z(I)9545-9546	Apr.20,1974	12:24	1:30,000	0.17 ft. below MLW**
74E(C)4833-4834	Apr.20,1974	12:50	1:30,000	0.03 ft. above MLW*
74Z(I)9566-9567	Apr.20,1974	12:50	1:30,000	0.03 ft. above MLW**

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

2. SOURCE OF MEAN HIGH-WATER LINE:

*The mean high water line was compiled from the above listed compilation photographs by stereo instrument methods.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

**The mean low water line was compiled graphically from the tide coordinated MLW infrared photographs.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS *(List only those surveys that are sources for photogrammetric survey information.)*

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED
H-9724	Field surveyed Nov. 1977	unregistered copy			

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00764	No survey	No survey	TP-00768

REMARKS

NOAA FORM 76-36B
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092

NOAA FORM 76-36C
(3-72)

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

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION (Premarking) [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. Tibbetts	April 1974
2. HORIZONTAL CONTROL	RECOVERED BY	None	
	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	None	
	LOCATED *(Field Methods)* BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION: [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY		
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: None

2. VERTICAL CONTROL IDENTIFIED: None

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 [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] 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 76-77 (Tide Level Observations)

☆ U.S. GPO: 1977-765-092/1105 Region 6

3B

NOAA FORM 76-36C
(3-72)

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

TP-00769

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. S. Tibbetts	Sept. 1979
2. HORIZONTAL CONTROL	RECOVERED BY	R. S. Tibbetts	Sept. 1979
	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. S. Tibbetts	Sept. 1979
	LOCATED *(Field Methods)* BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. S. Tibbetts	Sept. 1979
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS *(Clarification of details)* 74E(C)4753 (Bridging contact) 74E(C)4833 (Black/White ratio)-edit data performed on this photo was performed May 1976 in conjunction with field edit for adjacent map TP-00768.

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 paper field edit print
1 field edit report
2 Forms 76-40

NOAA FORM 76-36C
(3-72)

☆ U.S. GPO: 1977-765-092/1105 Region 6

NOAA FORM 76-36C
(3-72)

TP-00769

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

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION (Supplemental Edit)

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. Tibbetts	Oct. 1980
2. HORIZONTAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	"	
	PRE-MARKED OR IDENTIFIED BY	"	
3. VERTICAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	"	
	PRE-MARKED OR IDENTIFIED BY	"	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY	None	
	LOCATED *(Field Methods)* BY	"	
	IDENTIFIED BY	"	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	C. Middleton	Oct. 1980
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS *(Clarification of details)*

74E(C)4751-4754 (Color Ratios)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

1 film field edit print
1 field edit report

☆ U.S. GPO: 1977-765-092/1105 Region 6

NOAA FORM 76-36D
(3-72)

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

TP-00769

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.	May 1976	Class III manuscript superseded	July 1976	June 1976
Partial field edit applied	Mar. 1980	Class III manuscript superseded	None	None
Remaining field edit applied-compilation complete	Mar. 1981	Class I manuscript ~~superseded~~	None	Mar. 1981
Final Review	Nov. 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	Landmark to be charted
1		May 1980	Nonfloating aids to be charted

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

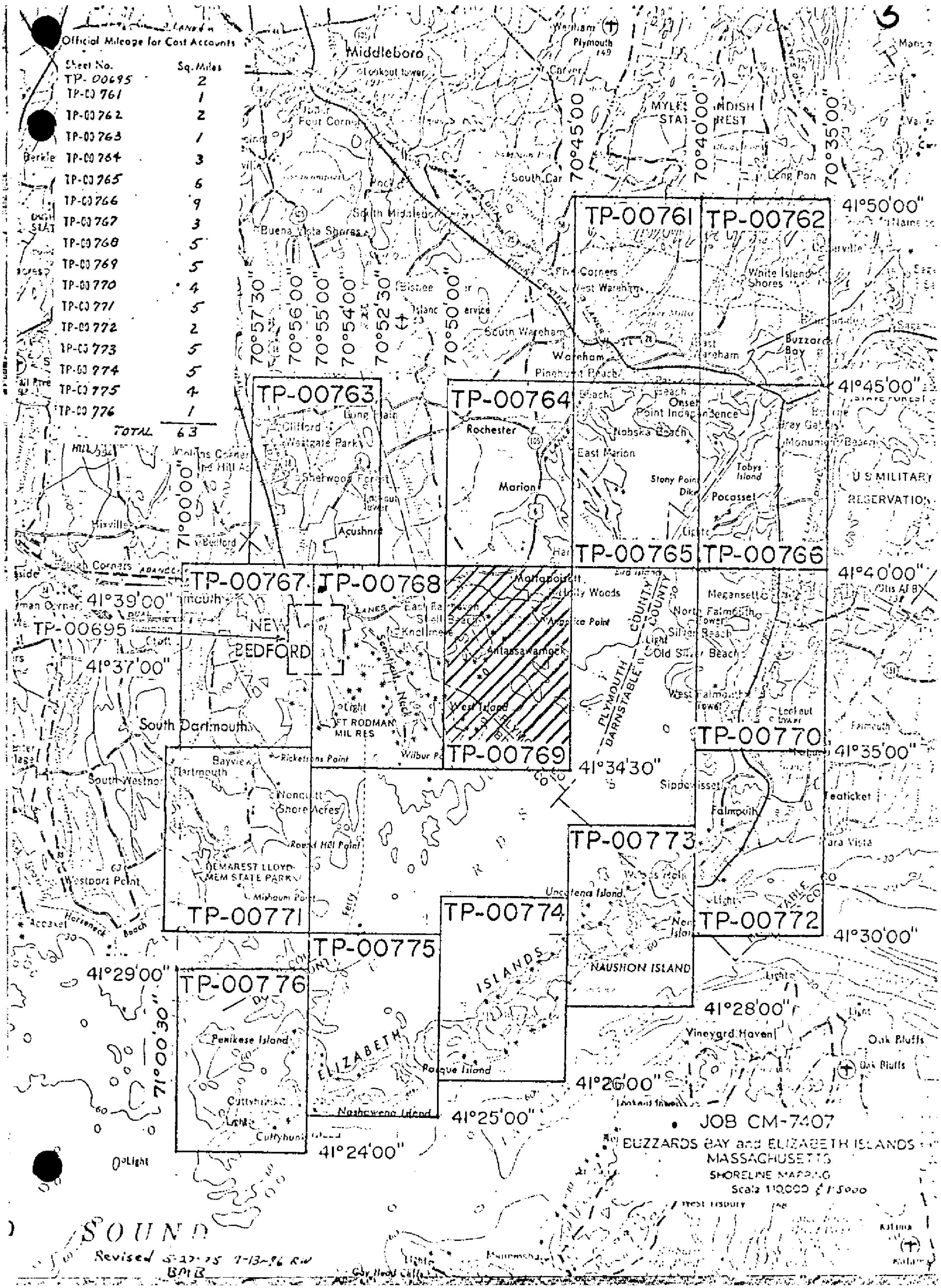
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 76-40 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO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

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

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL

NOAA FORM 76-36D

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092


Official Mileage for Cost Accounts
Sheet No. Sq. Miles
TP-00695 2
TP-00761 1
TP-00762 2
TP-00763 1
TP-00764 3
TP-00765 6
TP-00766 9
TP-00767 3
TP-00768 5
TP-00769 5
TP-00770 4
TP-00771 5
TP-00772 2
TP-00773 5
TP-00774 5
TP-00775 4
TP-00776 1
TOTAL 63
TP-00761
TP-00762
TP-00763
TP-00764
TP-00765
TP-00766
TP-00767
TP-00768
TP-00769
TP-00770
TP-00771
TP-00772
TP-00773
TP-00774
TP-00775
TP-00776
TP-00695
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70°50'00"
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71°00'30"
Middleboro
Wareham
Rochester
Marion
NEW BEDFORD
South Dartmouth
Falmouth
Vineyard Haven
Oak Bluffs
NAUSHON ISLAND
ELIZABETH ISLANDS
Penikese Island
Cuttyhunk
Nashawena Island
Pasque Island
U S MILITARY RESERVATION
SOUND
JOB CM-7407
BUZZARDS BAY and ELIZABETH ISLANDS
MASSACHUSETTS
SHORELINE MAPPING
Scale 1:10,000 & 1:5000
Revised 5-27-75 7-13-76 RW
BMB

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00769

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 region of Buzzards Bay extending from West Island to Hiller Cove.

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 May 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. Hydrographic surveys common to this map are H-9628, H-9647 and H-9724. At the present time, H-9724 is the only survey that has been processed but is currently unregistered. A comparison with an unregistered copy was made during final review.

TP-00769

An original field edit for the entire map was conducted September 1979 by coastal mapping field personnel. Prior to 1979, a portion of the manuscript, in the vicinity of West Island, was edited May 1976 and August 1977 in conjunction with field edit for adjacent map TP-00768. Application of this data was accomplished March 1980 at the original compilation office; however, the manuscript classification was not advanced because of incomplete field verification. A supplemental field edit was performed October 1980 and final compilation in February 1981 advanced the manuscript to Class I. A Class I copy was submitted to the Hydrographic Surveys Branch.

Final review was performed at the Atlantic Marine Center in November 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-00769

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.

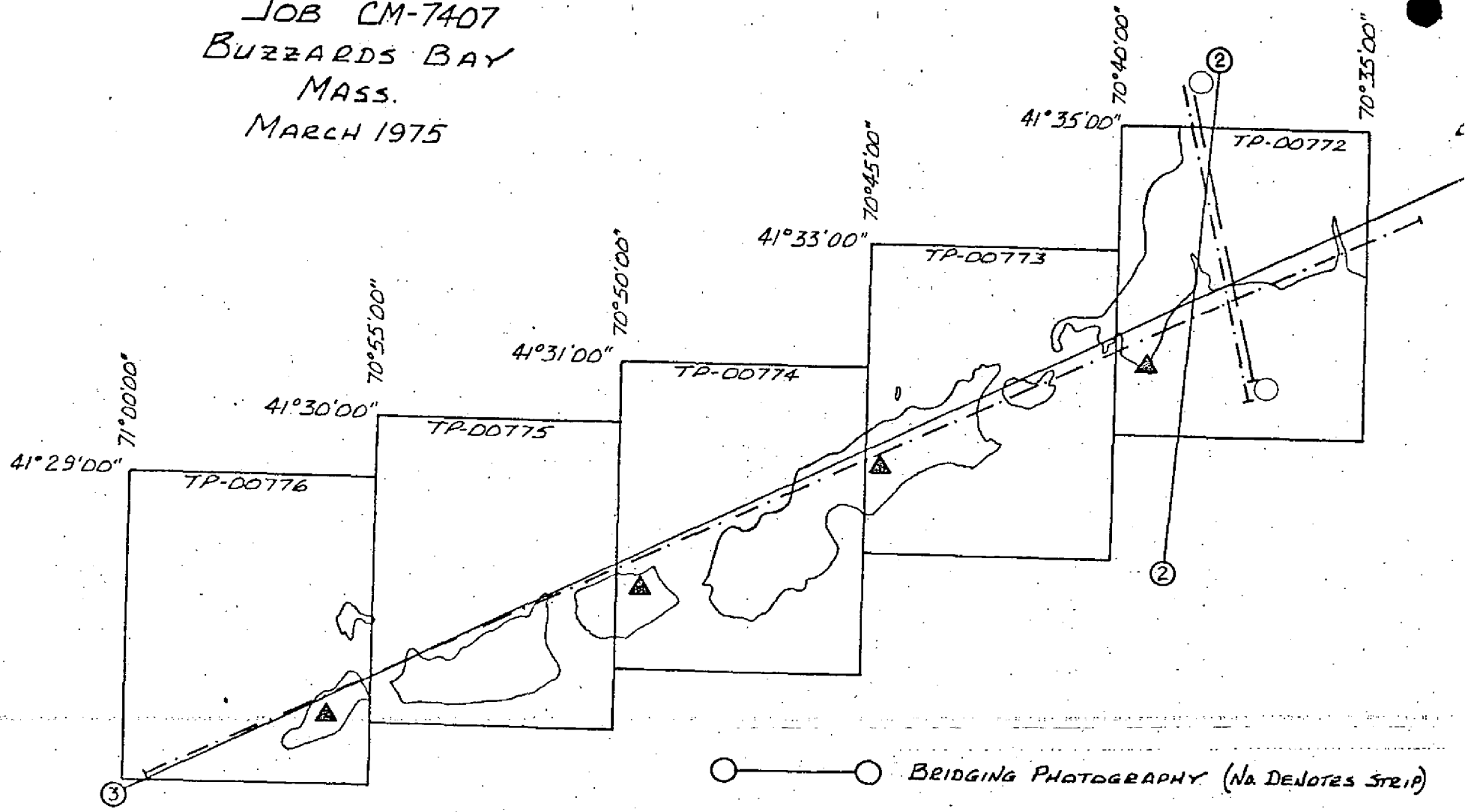
Submitted by:

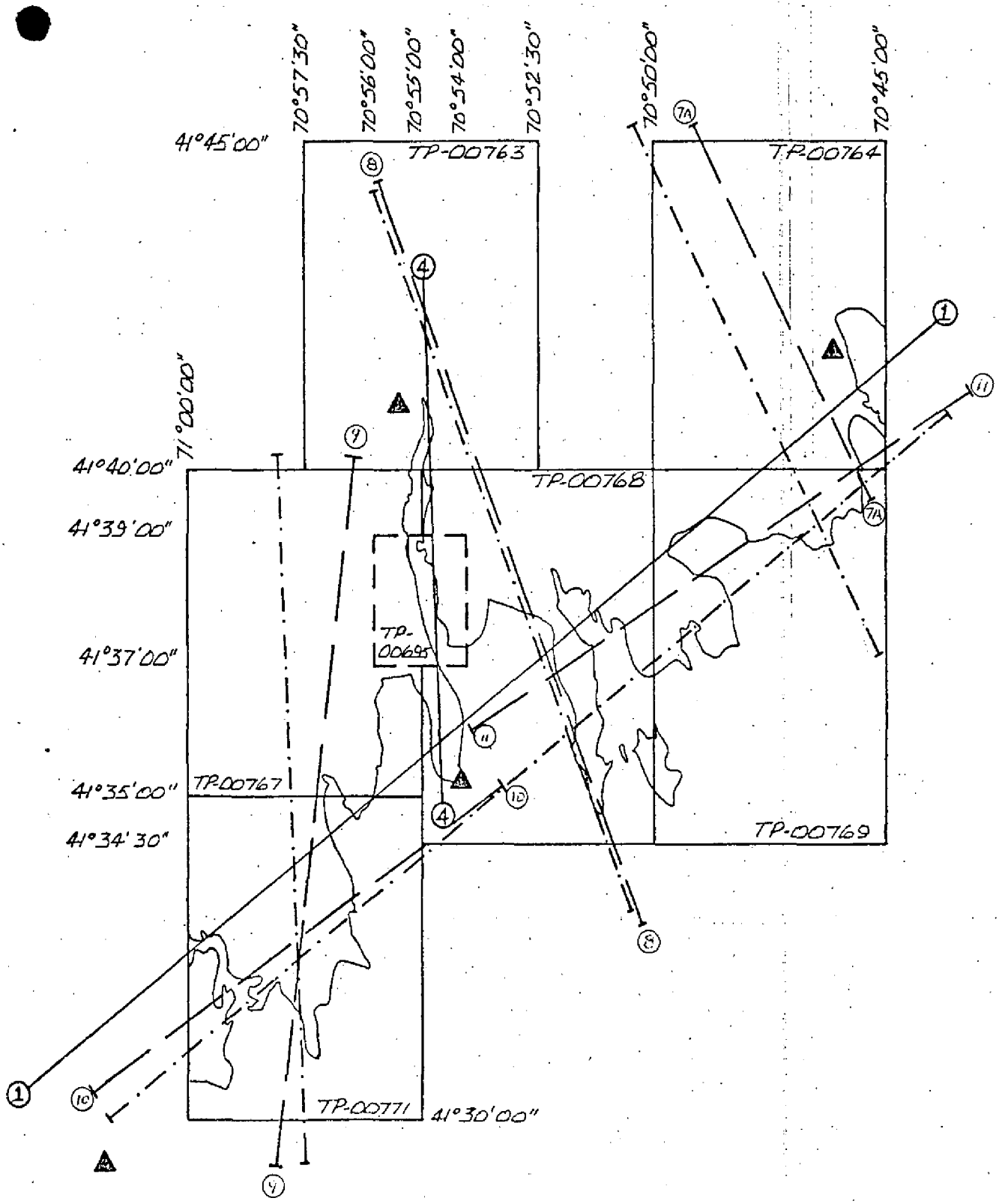
Michael L. McGinley

Approved by:

John D. Perrow, Jr.
Chief, Aerotriangulation Section

JOB CM-7407
BUZZARDS BAY
MASS.
MARCH 1975

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41°39'00"
41°37'00"
41°35'00"
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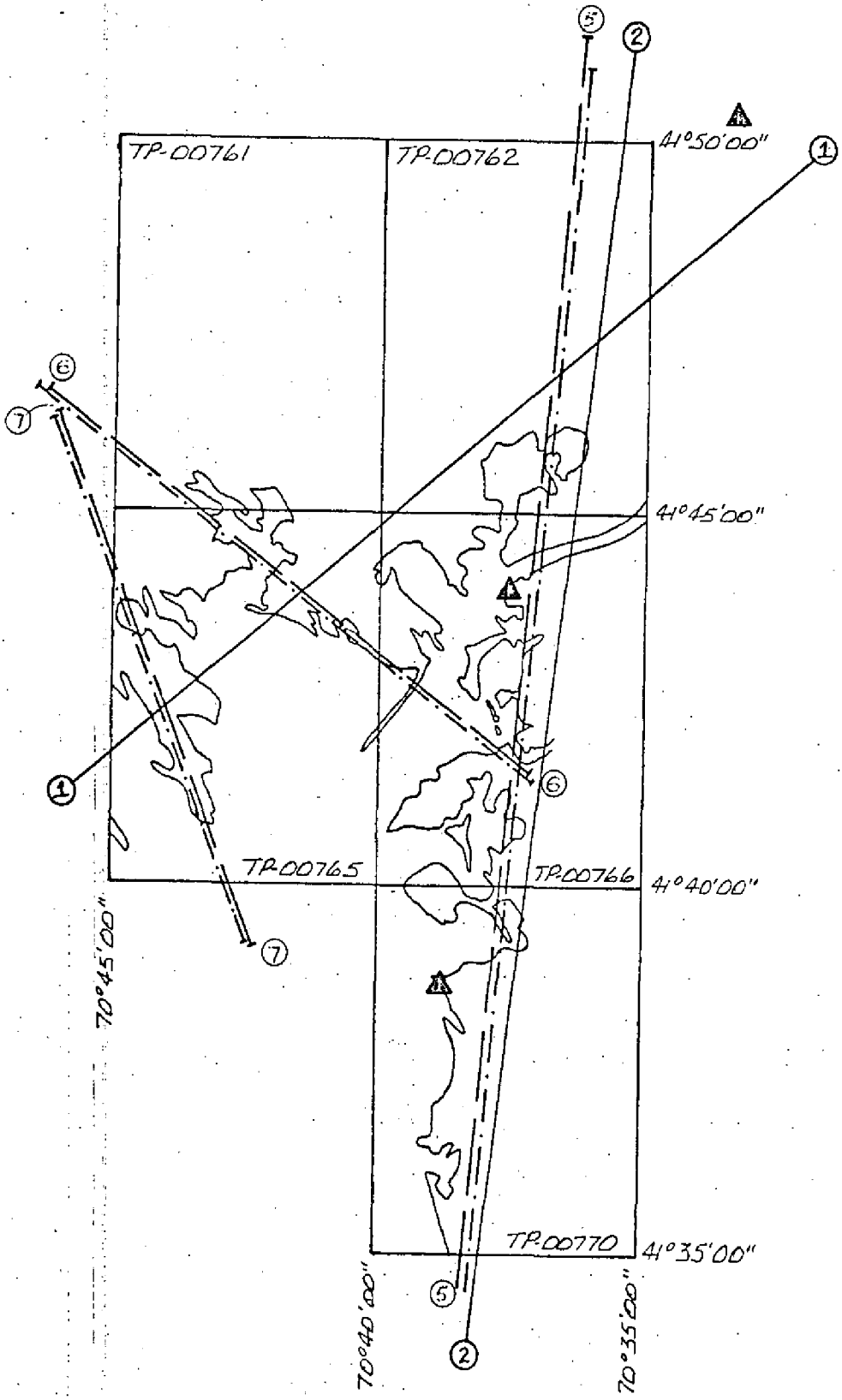
TP-00768
TP-00695
TP-00767
TP-00769
TP-00771


TP-00761
TP-00762
TP-00765
TP-00766
TP-00770
41°50'00"
41°45'00"
41°40'00"
41°35'00"
70°45'00"
70°40'00"
70°35'00"
1
2
5
6
7

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00769	CM-7404	N.A. 1927	Coastal Mapping Unit, Atlantic Marine Center

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE Mass. ZONE Mainland	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS FORWARD	REMARKS BACK
CORMORANT ROCK BEACON, 1904	G.P. Vol. 1 Pg. 320		x=	φ 41°36'16.611"	512.5	1338.6
			y=	λ 70°47'32.295"	747.8	641.6
B4, S4, 1943	G.P. Vol. 1 Pg. 405		x=	φ 41°35'00.950"	29.3	1821.7
			y=	λ 70°49'27.429"	635.4	754.5
MAT 2, 1934	G.P. Vol. 1 Pg. 121		x=	φ 41°37'43.816"	1351.8	499.3
			y=	λ 70°48'07.902"	182.9	1206.0
NED POINT LIGHTHOUSE, 1904	G.P. Vol. 1 Pg. 320		x=	φ 41°39'02.756"	85.0	1766.1
			y=	λ 70°47'46.211"	1069.3	319.1
MATTAPOISETT RADIO TOWER, 1934	G.P. Vol. 1 Pg. 321		x=	φ 41°39'37.695"	1162.9	688.2
			y=	λ 70°48'28.403"	657.1	731.1
MATTAPOISETT, GRAY SPIRE, 1844	G.P. Vol. 1 Pg. 803		x=	φ 41°39'43.398"	1338.9	512.2
			y=	λ 70°49'12.396"	286.8	1101.4
ANGEL, 1910	G.P. Vol. 1 Pg. 320		x=	φ 41°38'29.282"	903.4	947.7
			y=	λ 70°45'56.313"	1303.3	85.3
ANGELICA POINT BEACON, 1904	G.P. Vol. 1 Pg. 320		x=	φ 41°38'20.287"	625.9	1225.2
			y=	λ 70°45'47.743"	1105.0	283.7
COVE, 1887	G.P. Vol. 1 Pg. 321		x=	φ 41°39'27.259"	841.0	1010.1
			y=	λ 70°45'29.806"	689.6	698.7
			x=	φ		
			y=	λ		

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
A. C. Rauck, Jr.	4/27/75	Irene Perkinson	4/30/75
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

TP-00769

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 except for incomplete stereo photo coverage of the east coast of West Island. Graphic compilation of the most easterly portion of the island was compiled using the one ratio photograph provided.

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.

Offshore rocks east and south of West Island could not be located because of the lack of photo coverage as described in item #31.

TP-00769

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

A comparison has been made with the following U.S. Geological Survey Quadrangles: Sconticut Neck, Mass., scale 1:24,000, dated 1962; and Marion, Mass., scale 1:24,000, dated 1962.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey Charts: 13229, scale 1:40,000, 11th edition, dated January 18, 1975; 13230, scale 1:40,000, 26th edition, dated November 2, 1974; and 13236, scale 1:20,000, 18th edition, dated October 12, 1974.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

Jerry I. Hancock
for Irene Perkinson
Cartographic Technician
April 12, 1976

Approved,

Jerry I. Hancock
for Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00769

FIELD EDIT

The original field edit was accomplished September 1979 by Coastal mapping field personnel. A small portion of the map along the eastern shore of West Island was edited May 1976 and August 1977 in conjunction with field edit for adjacent map TP-00768. A combination of this field data was applied to the manuscript; however, the manuscript could not be advanced because of incomplete verification of field data.

A supplemental field edit was performed October 1980 by the original field edit party. Primarily, this edit involved the establishment of additional rocks and foul areas.

A combination of the field edit activities provided adequate data to advance the manuscript to Class I status.

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00769

Angelica Point
Antassawamock
Brant Island
Brant Island Cove
Buzzards Bay
Cannonville
Connett Point
Cormorant Rock
Crescent Beach (locality)
Eel Pond
Hiller Cove
Holly Woods (locality)
Mattapoisett
Mattapoisett Harbor
Mattapoisett Neck
Mattapoisett River
Nasketucket Bay
Ned Point
North Point
Peases Point
Pine Island Pond
Point May
Ram Island
Rocky Point
Seal Island
Shell Beach (locality)
Strawberry Point
West Island

Approved by:

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division

FIELD EDIT REPORT

BUZZARDS BAY AND ELIZABETH ISLANDS, MASSACHUSETTS

JOB CM-7407

TP - 00769

51. METHODS.

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

52. ADEQUACY OF COMPILATION.

Compilation was adequate. he MHL was accepted as compiled. No significent shoreline changes were noted during field edit. All corrections and deletions have been noted in purple ink on the field edit ozalid, and cross referenced to the appropriate photograph.

53. RECOMMENDATIONS.

None.

56. LANDMARKS AND NON-FLOATING AIDS.

Three aids and one landmark were visually verified.

57. ROCKS, REEFS, AND SHOALS.

There are numerous rocks on Map TP-00769. All were verified on the manuscript.

58. PHOTOGRAPHY.

The photography was adequate.

Robert S. Tibbetts

Robert S. Tibbetts

Sept. 1979

FIELD EDIT REPORT
JOB CM-7407, TP-00769
Supplemental

51. Methods

Field edit (rocks only) was performed according to photogrammetry instructions of the National Ocean Survey Operations Manual and according to instructions attached to the field edit sheet. Sextant and photogrammetric methods were used to locate rocks that were previously unedited. Rangematic Distance Finder was used in several areas to verify photogrammetric rock locations and to verify foul limits. The field edit of rocks was performed by boat run close to shore.

The field edit of rocks and descriptive notes will be found on both the photographs and field edit sheet.

52. ADEQUACY OF COMPLIATION

Adequate pending compliation of rocks.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Approved & Forwarded

Robert S. Tibbetts
Chief, Photo Party 62

Submitted

Clifton S. Middleton JR.
Surveying Technician
Oct. 1980

REVIEW REPORT TP-00769

SHORELINE

61. GENERAL STATEMENT

Final review for this final field edited map was accomplished November 1984 at the Atlantic Marine Center. 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: Marion, Mass., dated 1962; and Sconticut Neck, Mass., dated 1962.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Contemporary hydrographic activity common to this map was assigned as hydro surveys H-9628, H-9647 and H-9724. All surveys were physically accomplished; however, the field data for H-9628 and H-9647 is currently unprocessed and the completion date is unscheduled. A comparison was made with an unregistered copy of survey H-9724. This 1:10,000 scale survey was field surveyed November 1977, inspected by hydrographic quality control January 1983 and is currently awaiting registration. Only a small portion of the survey is common to this shoreline map. No significant differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 13236, 22nd edition, 1:20,000 scale, March 10, 1984; 13229, 20th edition, 1:40,000 scale, March 24, 1984; and 13230, 34th edition, 1:40,000 scale, 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 L. Farmer
Chief, Photogrammetric Section, Rockville

Ronald K. Brewer
Chief, Photogrammetry Branch, Rockville

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS FOR CHARTS

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

(See reverse for responsible personnel)

- [x] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (If field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div, AMC Norfolk, VA	Massachusetts	Buzzards Bay Elizabeth Islands	2/20/80

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
503	CM-7407	TP-00769	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
DAYBEACON	Cormorant Rock Daybeacon (Cormorant Rock Beacon, 1904)	41° 36′	16.611 512.5	70° 47′	32.295 747.8	74C(C)9470 Apr 18, 1974	Triang. Rec. Sept 17, 1979	13229 13230
LIGHT	Ned Point Light (Ned Point Lighthouse, 1904)	41° 39′	02.756 85.0	70° 47′	46.211 1069.3	74E(C)4752 Apr 18, 1974	" "	" "
DAYBEACON	Angelica Point Daybeacon (Angelica Point Beacon, 1904)	41° 38′	20.287 625.9	70° 45′	47.743 1105.0	74E(C)4753 Apr 18, 1974	" "	" "
								" "

1 of 2

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	R. S. TIBBETTS	[X] PHOTO FIELD PARTY [ ] HYDROGRAPHIC PARTY [ ] GEODETIC PARTY [ ] OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED	R. S. TIBBETTS	FIELD ACTIVITY REPRESENTATIVE
	F. MARGIOTTA / F Mauldin	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		[ ] REVIEWER [ ] 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

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

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

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.

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)

- ☒ TO BE CHARTED
- ☐ TO BE REVISED
- ☐ TO BE DELETED

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

STATE: Massachusetts

LOCALITY: Buzzards Bay Elizabeth Islands

DATE: 2/20/80

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
503	CM-7407	TP-00769	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
TOWER	(B4, S4, 1943)	41° 35	00.950 29.3	70° 49	27.429 635.4	74E(C)4833 Apr 20, 1974	Triang. Rec. Sept. 17, 1979	13229 13230
								2 of 2

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	R. S. TIBBETTS	[X] PHOTO FIELD PARTY [ ] HYDROGRAPHIC PARTY [ ] GEODETIC PARTY [ ] OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED	R. S. TIBBETTS	FIELD ACTIVITY REPRESENTATIVE
	F. MARGIOTTA / F Mauldin	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		[ ] REVIEWER [ ] 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

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

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

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)

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

☆ U.S.GPO:1975-0-665-080/1155

FORM C&GS-8352
(3-29-63)

NAUTICAL 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 Re

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.
			Full Part Before After Verification Review Inspection Signed Via
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