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-00775	1

Job No.
CM-7407

Map Classification
FINAL, FIELD EDITED MAP

Type of Survey
SHORELINE

LOCALITY

State
MASSACHUSETTS

General Locality
BUZZARDS BAY

Locality
Nashawena Island

1974 TO 1977

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- 00775

MAP EDITION NO. (1)

MAP CLASS Final

JOB CM-7407

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

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	April 1975
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	L. Neterer, Jr.	Nov. 1975
	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. Shands	Dec. 1975
METHOD: Smooth drafted	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	D. Butler	Dec. 1975
	CHECKED BY	A. Shands	Dec. 1975
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	A. Shands	Dec. 1975
6. APPLICATION OF FIELD EDIT DATA	BY	F. Mauldin	Feb. 1978
	CHECKED BY	L. Neterer, Jr.	March 1978
7. COMPILATION SECTION REVIEW	BY	L. Neterer, Jr.	March 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. Sobad	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-00775

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
74 E(C) 4736 - 4739	April18,1974	10:50	1:30,000	0.3 ft. above MLW*
74 Z(I) 9532 - 9534	April20,1974	11:08	1:30,000	0.2 ft. below MLW**

REMARKS *Compilation/bridging photographs.
**Tide coordinated photographs 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	EAST	SOUTH	WEST
No survey	TP-00774	No survey	TP-00776

REMARKS

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

3A

NOAA FORM 76-36C
(3-72)

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

TP-00775

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION [ ] 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	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

PHOTO NUMBER	STATION NAME

2. VERTICAL CONTROL IDENTIFIED

None

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)*

None

☆ 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-00775

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	None	
	IDENTIFIED BY	H. Hart	Sept. 1977
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	H. Hart	Sept. 1977
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS *(Clarification of details)*

74 E(C) 4736 thru 4739 (Black/White Ratio 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)

☆ 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-00775

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complate, pending field edit	Dec. 1975	Class III manuscript SUPERSEDED	July 1976	April 1976
Field edit applied, compilation complete	March 1978	Class I, SUPERSEDED	June 1978	June 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 ~~XXMBER~~	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		May 22,1980	Landmarks for charting.
1		May 22,1980	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

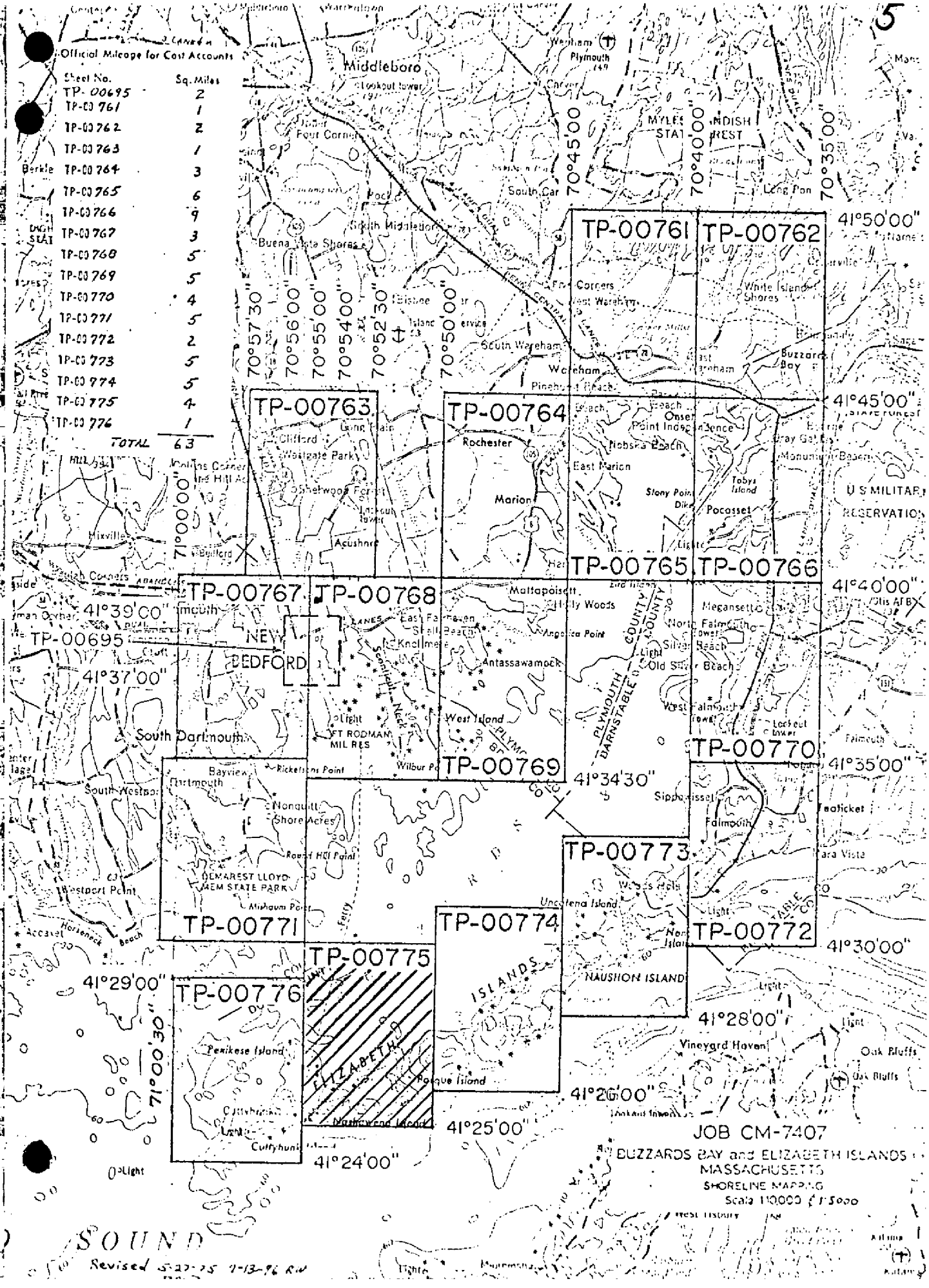
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO FEDERAL 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	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (3)	PH- _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
FOURTH EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (4)	PH - _____	☐ 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
Middleboro
Rochester
Marion
Mattapoisett
Antassawamock
West Island
NEW BEDFORD
South Dartmouth
Fairhaven
Acushnet
Wareham
South Wareham
Onset
Pocasset
Falmouth
Woods Hole
NAUSHON ISLAND
Vineyard Haven
Oak Bluffs
Penikese Island
Cuttyhunk
Nashawena Island
Pasque Island
ELIZABETH ISLANDS
41°50'00"
41°45'00"
41°40'00"
41°39'00"
41°37'00"
41°35'00"
41°34'30"
41°30'00"
41°29'00"
41°28'00"
41°26'00"
41°25'00"
41°24'00"
70°57'30"
70°56'00"
70°55'00"
70°54'00"
70°52'30"
70°50'00"
70°45'00"
70°40'00"
70°35'00"
71°00'00"
71°00'30"
JOB CM-7407
BUZZARDS BAY and ELIZABETH ISLANDS
MASSACHUSETTS
SHORELINE MAPPING
Scale 1:10000 (1:5000
SOUND
Revised 5-22-95 7-13-96 RW

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00775

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 Nashawena Island and the western shore of Pasque Island.

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 contemporary hydrographic operations. The hydro surveys common to this map. H-9645 and H-9646, were field accomplished but are unprocessed and currently are in an inactive status.

TP-00775

Field edit was conducted September 1977 by a photogrammetric field party. Application of this data was accomplished at the original compilation office March 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-00775

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.

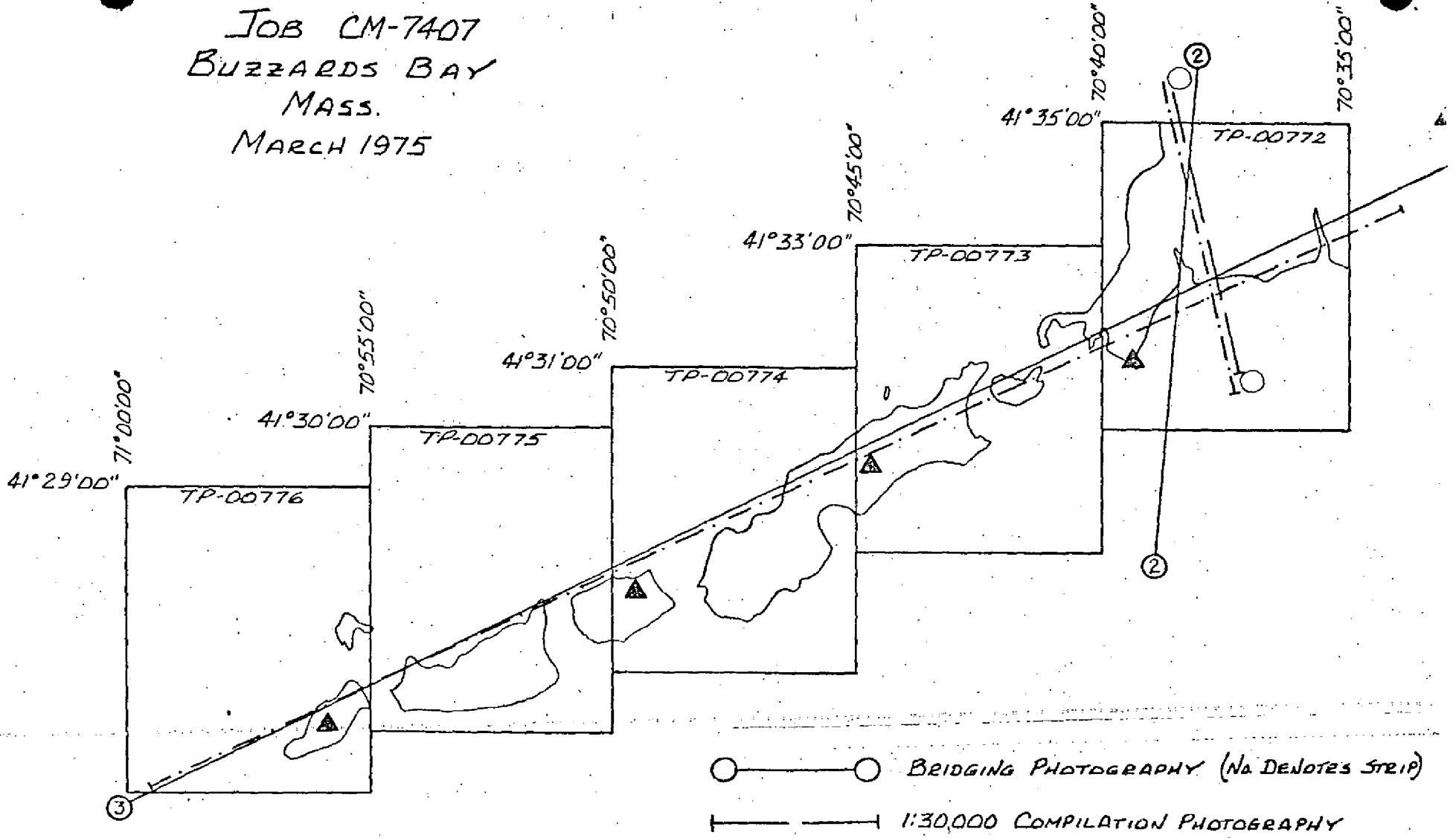
25. Photography

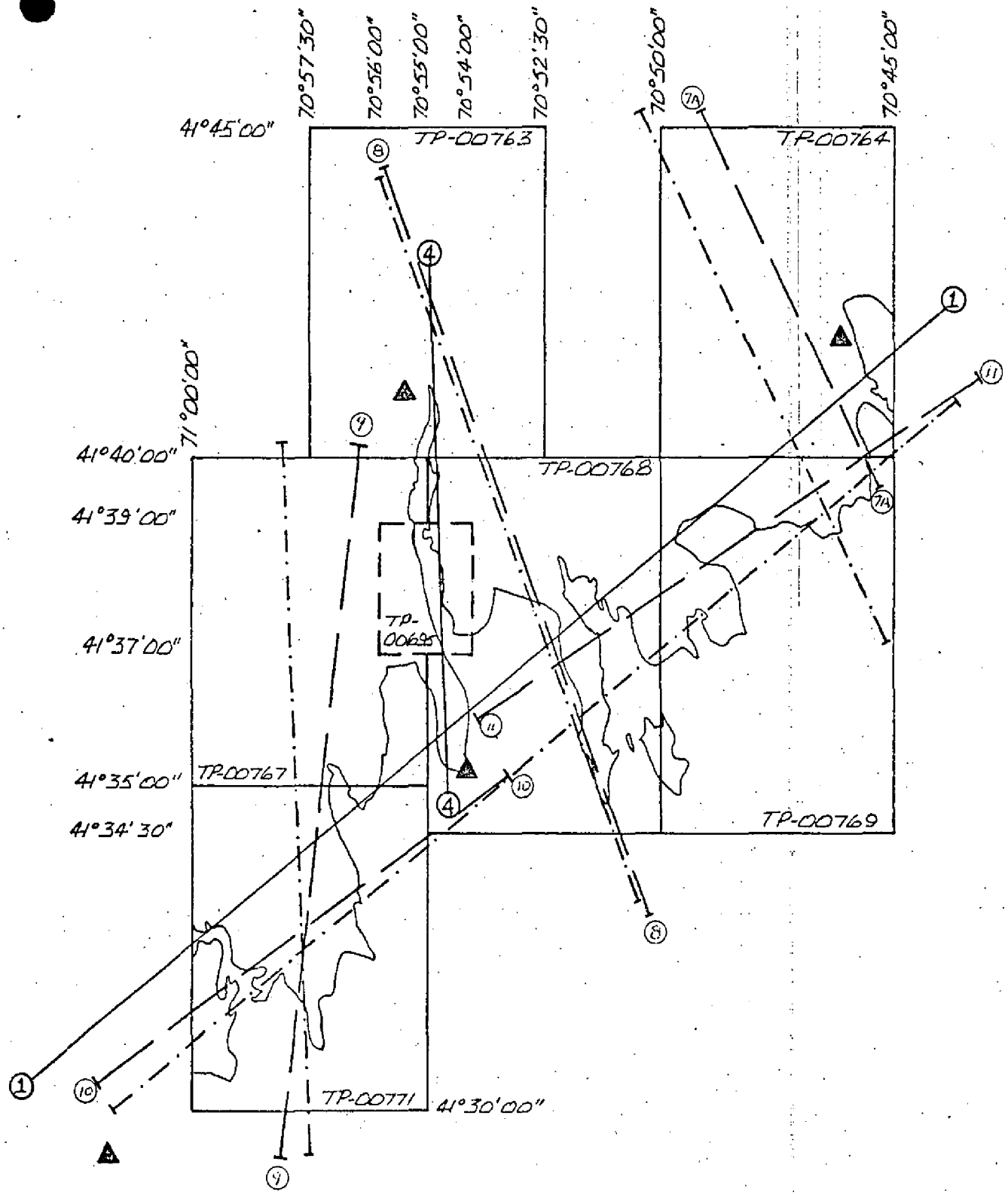
Photography was adequate as to overlap and coverage.

Submitted by:
Michael L. McGinley
Michael L. McGinley

Approved by:
John D. Perrow, Jr.
John D. Perrow, Jr.
Chief, Aerotriangulation Section

JOB CM-7407
BUZZARDS BAY
MASS.
MARCH 1975

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TP-00763
TP-00764
71°00'00"
41°40'00"
TP-00768
41°39'00"
TP-00695
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41°35'00"
TP-00767
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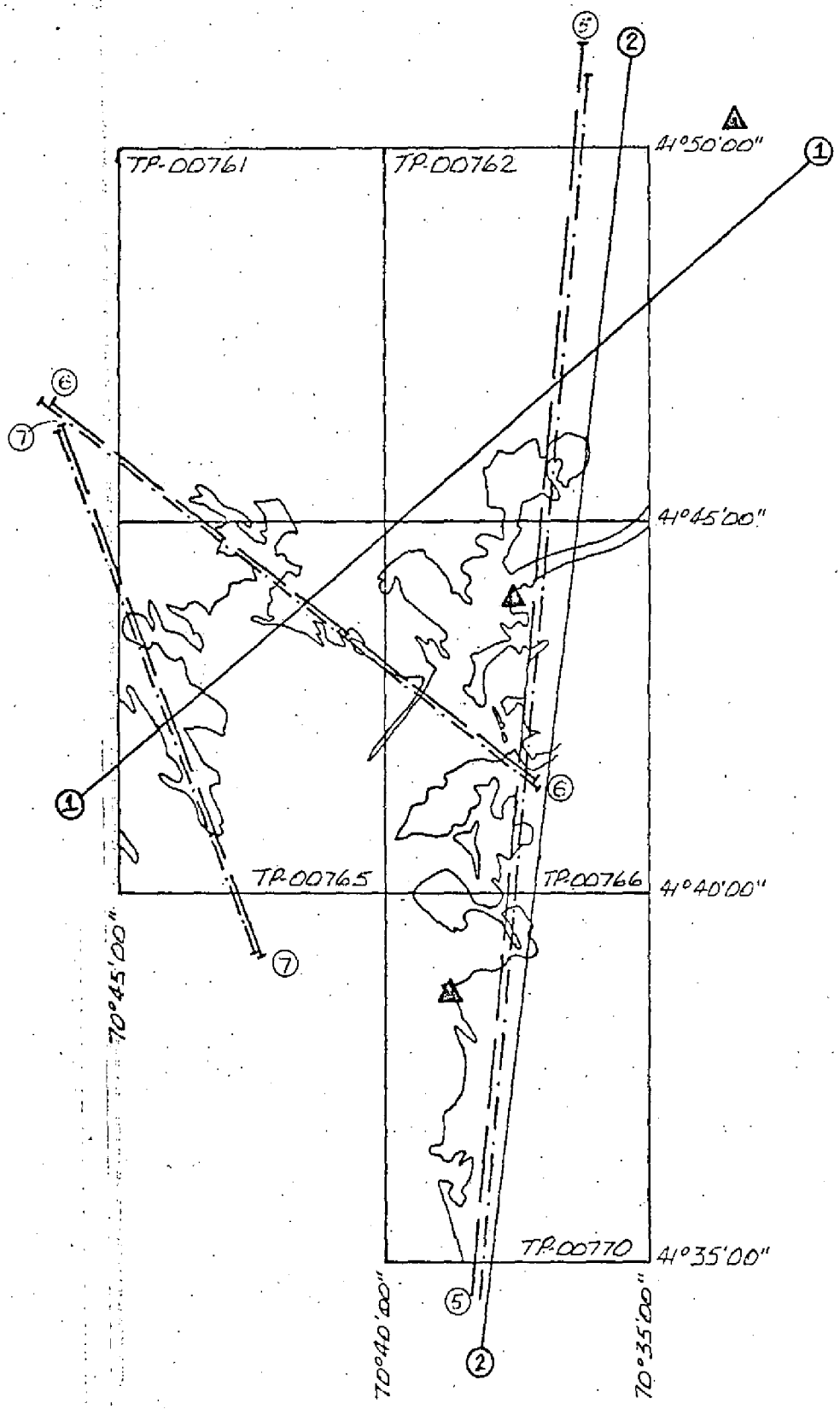
TP-00769
TP-00771
41°30'00"


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-00775	CM-7407	N.A. 1927	Coastal Mapping Unit, Atlantic Marine Ctr., Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Massachusetts ZONE Mainland	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS FORWARD	REMARKS BACK
PASQUE, 1844	G.P. Vol. I Page 219		x=	φ 41°26'57.274"	1766.9	84.1
			y=	λ 70°50'04.579"	106.3	1286.4
NASHAWENA ISLAND, TOWER, 1913	G.P. Vol. I Page 867		x=	φ 41°25'36.395"	1122.8	728.2
			y=	λ 70°52'36.417"	845.6	547.6
FORBES, 1948	G.P. Vol. I Page 520		x=	φ 41°25'25.546"	788.1	1062.9
			y=	λ 70°53'45.488"	1056.3	337.0
NECK, 1948	G.P. Vol. I Page 520		x=	φ 41°26'15.130"	466.8	1384.2
			y=	λ 70°52'46.732"	1084.9	308.1
			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	4/28/75	COMPUTATION CHECKED BY	I. Perkinson
LISTED BY		DATE		LISTING CHECKED BY	J. Roderick
HAND PLOTTING BY		DATE		HAND PLOTTING CHECKED BY	

DATE 4/30/75
DATE 12/5/75
DATE

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

COMPILATION REPORT

TP-00775

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 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 the sun glare problem addressed in item #36.

32 - CONTROL

Refer to the Photogrammetric Plot Report dated April 1975.

33 - SUPPLEMENTAL DATA

Reference was made to two unreviewed Class II shoreline sheets (T-12472, TP-12473) within project PH-6411. 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 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.

Various charted rocks along the southern shore of Nashawena Island could not be identified because of sun glare and heavy surf apparent on both the color and infrared photographs. The field editor will need to locate representative rocks in that 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 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-12472 and T-12473. 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 L. Harwood

for David Butler
Cartographic Aid
December 17, 1975

Approved,

Gary L. Harwood

for Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00775

FIELD EDIT

Field edit was accomplished September 1977.

The accuracy involving the field photo identification of alongshore/offshore rocks was questioned. In various instances, photo identification of specific rocks was performed on ratio photos where sun glare and/or heavy surf are very apparent. Acceptance and application of this data was selective depending on reobservation of the infrared and color compilation photographs. Where no image could be observed, the field photo identification was disregarded. Although this practice reduced the number of alongshore rocks applied, it did not result in any substantial voids concerning the representation of alongshore rocks.

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00775

Baret Island
Buzzards Bay
Canapitsit Channel
Cuttyhunk Harbor
Cuttyhunk Island
Elizabeth Islands
Fox Point
Gull Island
Knox Point
Middle Pond
Nashawena Island
North Point
North Rock
Pasque Island
Penikese Island
Quicks Hole
Quicks Hole Pond
Rock Island
South Rock
The Neck
Vineyard Sound

Approved by:

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division

FIELD EDIT REPORT
Job CM - 7407
Buzzard's Bay, Massachusetts
TP - 00775 Nashawena Island

This sheet was field edited during the 1977 summer season.

52. Adequacy of Compilation - The compilation on this sheet is good. It will be adequate after the field corrections are added.

54. Recommendations - None.

56. Shoreline and Alongshore Features - The shoreline was inspected from seaward and all rock data is indicated on photographs 74E 4736, 74E 4737, 74E 4738. All foul limits were verified as were the bluffs.

57. Landmarks and Aids - No fixed aids were found. No landmarks were found other than the bluffs and a house on the north side of the island. The Nashawena Island Tower was recovered as described but is a very poor landmark. It's visibility is severely limited by it's height.

59. General Statement - All field edit notes have been made on the Field Edit Ozalid and the photographs in violet ink.

Howard V. Hart Jr.

Howard V. Hart Jr.
Surveying Technician

REVIEW REPORT TP-00775
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 map copies (T-12472, T-12473) from project PH-6311. 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 for Marine Charts and proposed hydrographic activity. Project PH-6311 was registered July 1976.

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 hydro surveys H-9645 and H-9646. The surveys were 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 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

Approved for forwarding,

Billy H. Barnes
Chief, Photogrammetric Section, AMC

TP-00775

Approved,

Gregory T. Fenn
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

LANDMARKS 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)

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

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

STATE: Massachusetts

LOCALITY: Buzzards Bay Elizabeth Islands

DATE: FEB 1978

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-00775	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
MONUMENT	(Nashawena Island Tower, 1913)	41 25	36.395 1122.8	70 52	36.417 845.6	74E(C)4738 April 18, 1974	Triang Rec. 8-31-77	263,264 114SC 13230
								2 of 2

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	R. TIBBETTS	[X] PHOTO FIELD PARTY [ ] HYDROGRAPHIC PARTY [ ] GEODETIC PARTY [ ] OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED	R. TIBBETTS	FIELD ACTIVITY REPRESENTATIVE
	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
- [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 (Field Party, Ship or Office): Coastal Mapping Div. AMC, Norfolk, VA

STATE: Massachusetts

LOCALITY: Buzzards Bay
Elizabeth Islands

DATE: Feb 1978

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-00775	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
HOUSE		41 26	12.64 390	70 52	01.77 41	74E(C)4737 April 18, 1974	F-V-VIS 8-31-77	263,264 114SC 13230
								1 of 2

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	R. TIBBETTS	☒ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	R. TIBBETTS	FIELD ACTIVITY REPRESENTATIVE
	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'

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EXAMPLE: 75E(C)6042
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FIELD

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Enter the applicable data by symbols as follows:

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1 - Triangulation	5 - Field Identified
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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.

FORM C&GS-8352
(3-25-63)

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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