

4  
TP-00725

TP-00725

NOAA FORM 76-35	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Shoreline Map
Job No. CM-7807	Map No. TP-00725
Classification No. Class III Map	Edition No. 1
LOCALITY	
State	Massachusetts
General Locality	Nantucket Sound
Locality	Monomoy Island
19 78 TO 19	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.  <b>DESCRIPTIVE REPORT - DATA RECORD</b>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00725</u>  MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III</u> JOB <u>PH-CM-7807</u>
PHOTOGRAMMETRIC OFFICE  Photogrammetry Division (Rockville)		<b>LAST PRECEDING MAP EDITION</b>	
OFFICER-IN-CHARGE  Cdr. Walter Simmons		TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
<b>I. INSTRUCTIONS DATED</b>			
<b>1. OFFICE</b>		<b>2. FIELD</b>	
Instructions-OFFICE-3/21/78 Instructions-OFFICE-Change No. 1 Amendment to Instructions		Instructions-FIELD-3/14/78	
<b>II. DATUMS</b>			
<b>1. HORIZONTAL:</b> <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
<b>2. VERTICAL:</b> <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)  National Geodetic Vertical Datum of 1929	
<b>3. MAP PROJECTION</b>  Lambert Conformal Conic		<b>4. GRID(S)</b>	
<b>5. SCALE</b> 1:20,000		STATE Massachusetts	ZONE Mainland Zone
STATE  		ZONE  	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
OPERATIONS		NAME	DATE
<b>1. AEROTRIANGULATION</b> BY R. Fisher 4/78 METHOD: Analytic LANDMARKS AND AIDS BY NA			
<b>2. CONTROL AND BRIDGE POINTS</b> PLOTTED BY H. Jones 4/11/78 METHOD: Coradomat CHECKED BY NA			
<b>3. STEREOSCOPIC INSTRUMENT</b> PLANIMETRY BY G. Fromm 4/19/78 COMPILATION CHECKED BY G. Fromm 4/19/78 INSTRUMENT: Wild B-8S SCALE: 1:20,000 CONTOURS BY NA CHECKED BY NA			
<b>4. MANUSCRIPT DELINEATION</b> PLANIMETRY BY G. Fromm 2/1/80 METHOD: Smooth Drafting CHECKED BY R.W. Rodkey 2/15/80 SCALE: 1:20,000 CONTOURS BY NA CHECKED BY NA HYDRO SUPPORT DATA BY NA CHECKED BY NA			
<b>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</b> BY NA			
<b>6. APPLICATION OF FIELD EDIT DATA</b> BY NA CHECKED BY NA			
<b>7. COMPILATION SECTION REVIEW</b> BY G. Fromm 2/20/80			
<b>8. FINAL REVIEW</b> BY E.L. Rolle 3/21/80			
<b>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</b> BY G. Fromm 2/21/80			
<b>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</b> BY E.L. Rolle 2/21/80			
<b>11. MAP REGISTERED - COASTAL SURVEY SECTION</b> BY E.L. DAUGHERTY 6/13/80			

**1. COMPILATION PHOTOGRAPHY**

CAMERA(S) Wild RC-8(E) FL=152.71mm RC-10(Z) FL=153.14mm (B)FL=152.74mm		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) <u>INFRARED</u> B&W	TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY			ZONE Eastern	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
			MERIDIAN 75th	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
78Z(C) 2291, 93, 95, 97, 99 and 2301, 03, 05, 07	3/6/78	1126-1130	1:20,000	The stage of tide is inapplicable for the color photography.
78B(C) 6796-6809	8/19/78		1:20,000	
Mean High Water Photos 78 E(I) 1232R-1240R	7/12/78	1525-1530	1:20,000	Refer to the following page for tide stage information
Mean Low Water Photos 78 E(I) 1216R-1224R	7/12/78	1022-1026	1:20,000	

REMARKS  
The infrared photography was ratioed to 1:20,000 scale.

**2. SOURCE OF MEAN HIGH-WATER LINE:**

The source of the <sup>mean</sup> high water line is the high water infrared photography listed above under Item 1. Refer to paragraph #31 of the Compilation Report bound with this Descriptive Report.

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

The source of the <sup>approximate</sup> mean low water line is the low water infrared photography listed above under Item 1. Refer to paragraph #31 of the Compilation Report bound with this Descriptive Report.

**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 Contemporary Surveys -----			

REMARKS



TIDE - COORDINATED PHOTOGRAPHY  
TP - 00725

LOCATION AND PHOTOGRAPHY	TIDE STATIONS <i>(In operation at time of photography)</i>	STAGE OF TIDE <i>In feet</i>	MEAN RANGE
78 E(I) 1216R-1224R	Boston, Massachusetts (Reference Station)		9.5 Ft.
	Chatham (Outer coast) (Sub. Sta.)	+0.36 MLW	6.7 Ft.
	Chatham (Inner coast) (Sub Sta.)	+0.5 MLW	3.6 Ft.
	Monomoy Point (Sub Sta.)	+0.1 MLW	3.7 Ft.
78 E(I) 1232R-1240R	Chatham (Outer coast) (Sub Sta.)	-0.87 MHW	6.7 Ft.
	Chatham (Inner coast) (Sub Sta.)	-1.33 MHW	3.6 Ft.
	Monomoy Point (Sub Sta.)	±0.5 MHW	3.7 Ft.
<u>NOTE:</u>	Only the reference station was in operation at time of photography.		

- REMARKS: 1. See additional tide data on the following 4 pages bound with this Descriptive Report.
2. The mean ranges of tide were taken from the 1978 TIDE TABLES publication.
3. Minimal water penetration is apparent on the mean low water photography. Refer to paragraph 35 of the Compilation Report bound with this Descriptive Report.

NOTE

The attached working copies were furnished by the Tides and Water Levels Division(C23). The times shown are Eastern Standard Time and correspond to when the infrared photography was taken. The mean ranges of tide were taken from the appropriate 1978 Tide Tables publication.

The only tide gage(reference station) in operation at this time was "Boston, Mass.". Hourly time and height differences, as listed in the 1978 Tide Tables for the attached subordinate station, were applied to the reference station records to derive the tide stages furnished.

*J. Fromm*

Photogrammetry Div.  
January 1980

## TIDE DATA

Monomoy Pt., MA.

12 July 78 \*Eastern Standard Time

At 1024\* height was 0.1 feet above MLLW

At 1528\* height was 3.2 feet above MLLW

Range of tide 3.7 ft.



Brian K. Connor  
6233 Tides and Water Levels Division  
Datum and Information Branch  
December 1979

## TIDE DATA

\* Eastern Standard Time

Chatham (Inside)

10.4\* hours 12 July 78 = 0.5 feet above MLLW15.5\* hours 12 July 78 = 2.27 feet above MLLW

Chatham (Outer Coast)

10.4\* hours 12 July 78 = 0.36 feet above MLLW15.5\* hours 12 July 78 = 5.83 feet above MLLW

Bria K. Connor

C233 Tides and Water Levels Division

Datum and Information Branch

December 1979

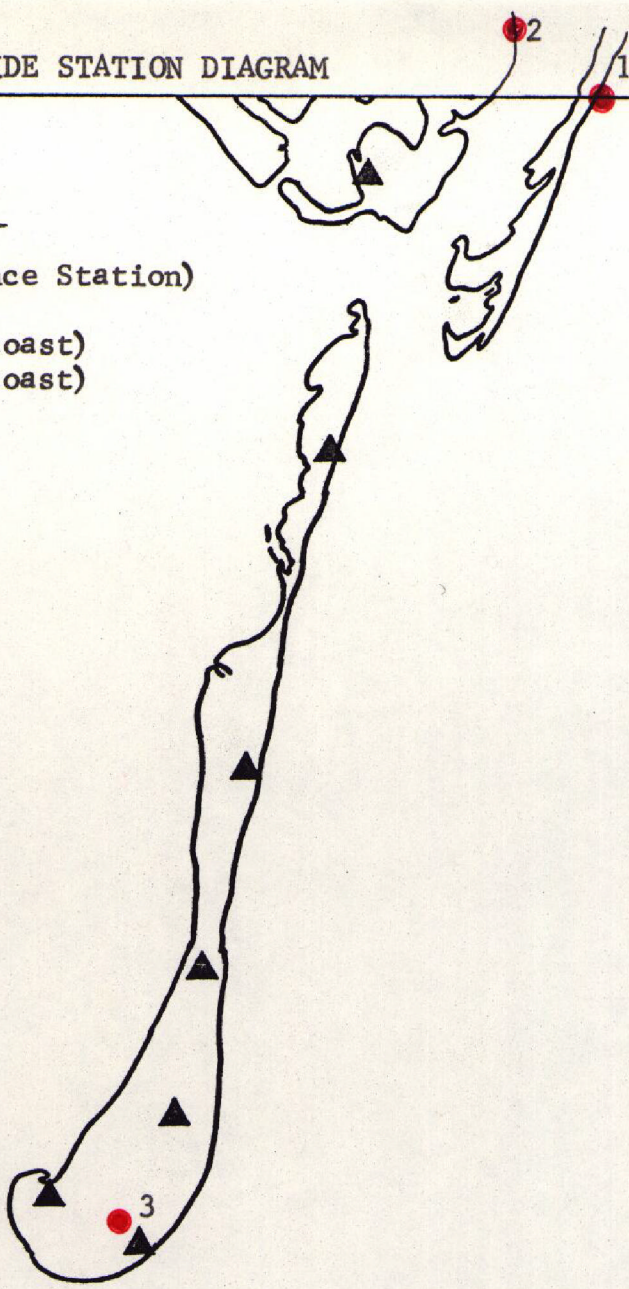
TIDE STATION DIAGRAM

41° 40' 00"

TIDE STATIONS

Boston, Mass. (Reference Station)

- 1. Chatham (outer coast)
- 2. Chatham (inner coast)
- 3. Monomay Point



CM 7807  
MONOMOY IS. MA.

Prepared by the Special  
Projects Section (Rockville)  
Photogrammetry Division

TP 00725

41° 30' 00"

70° 05' 00"

69° 55' 00"



HISTORY OF FIELD OPERATIONS

TP-00725

I.  FIELD INVESTIGATION OPERATION  FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Jim Shea	3/78
2. HORIZONTAL CONTROL	RECOVERED BY Jim Shea	"
	ESTABLISHED BY Jim Shea	"
	PRE-MARKED OR IDENTIFIED BY Jim Shea	"
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED ( <i>Triangulation Stations</i> ) BY NA	
	LOCATED ( <i>Field Methods</i> ) BY NA	
	IDENTIFIED BY NA	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	NA
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	NA
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED  
Pre-marked

2. VERTICAL CONTROL IDENTIFIED  
NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
78Z(C) 2291	H-3-MA-1978 & H-2-MA-1978		
78Z(C) 2297	H-1-MA-1978		
78Z(C) 2299	H-4-MA-1978		
78Z(C) 2303	H-5-MA-1978		
78Z(C) 2307	Morris Island 1978		
78Z(C) 2295	Monomoy Pt. Lighthouse 1875		

3. PHOTO NUMBERS (*Clarification of details*)  
78Z(C) 2435, 2437, 2441, 2445, 2447, 2449 (B&W Matte 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*)  
All field data concerning horizontal control located or established is on file in the Operation Division (CAM 101), Atlantic Marine Center, Norfolk, Va.

RECORD OF SURVEY USE

TP-00725

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Completed	2/20/80	Class III Map - Field Edit not scheduled.		
Final Review Prior to Registration	3/21/80	Class III Map - Field Edit will not be performed.	4/28/80	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
3		2/11/80	

2.  REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_
3.  REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

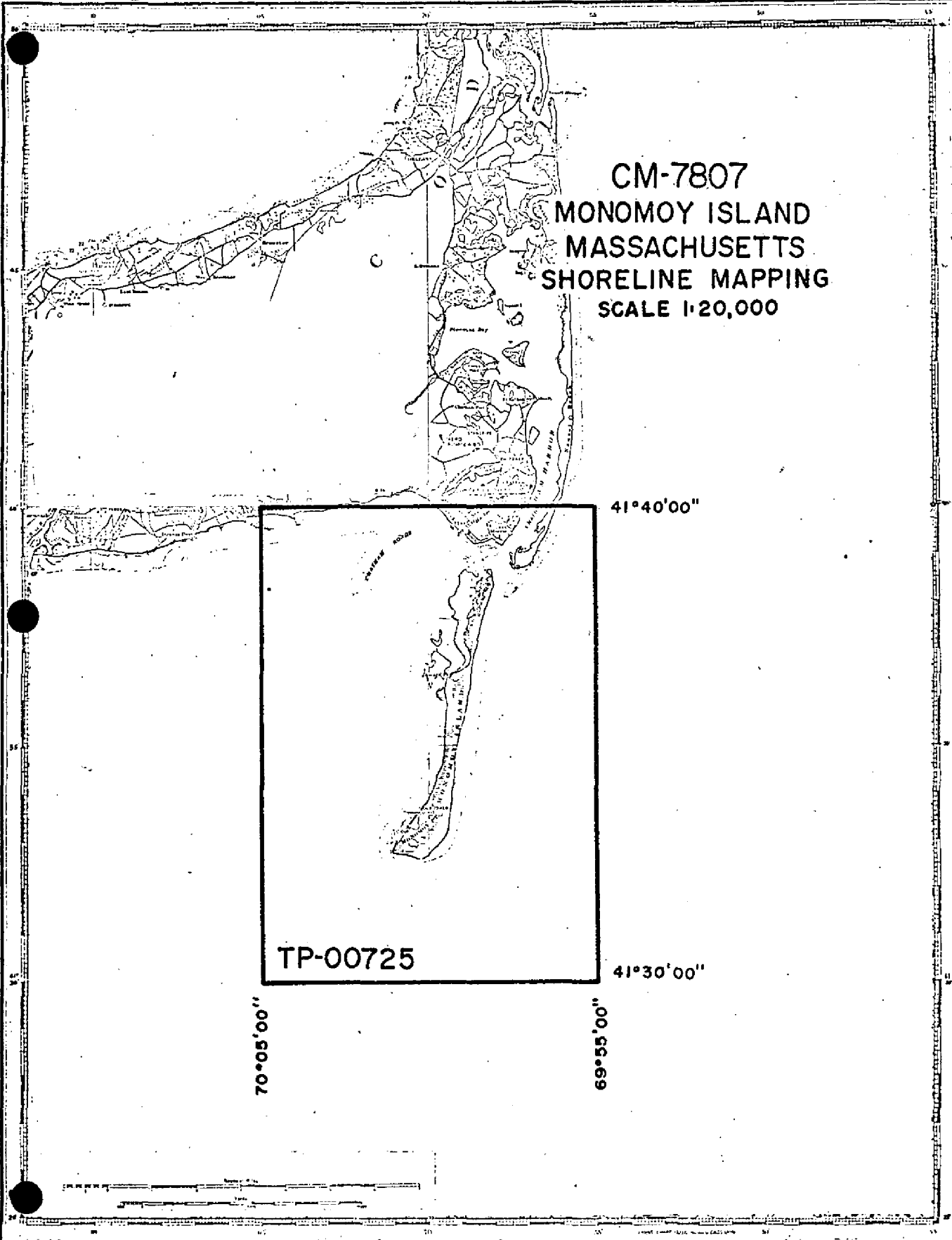
III. FEDERAL RECORDS CENTER DATA

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)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

CM-7807  
MONOMOY ISLAND  
MASSACHUSETTS  
SHORELINE MAPPING  
SCALE 1:20,000



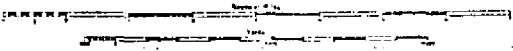
41°40'00"

TP-00725

41°30'00"

70°05'00"

69°55'00"



SUMMARY  
TP-00725

11

This map is the only map in Job CM-7807, Monomoy Island, Massachusetts. The map was compiled as the result of special requests from the U.S. Coast Guard and Congressman Studts of Massachusetts. Severe storms have caused a suspected shift in the Pollock Rip Channel and the Coast Guard has been requested to replace the buoy system of the channel. Before the buoys can be replaced, this map is needed in the area to determine the extent of changes in the channel.

Field operations, which began in March 1978, generally consisted of aerial photography and pre-marking of horizontal control. Bridging and compilation photography was flown in March, July, and August of 1978.

Aerotriangulation and compilation photography was furnished at 1:20,000 scale from natural color film and black-and-white infrared film.

Two strips of the 1:20,000 scale color photography were bridged by analytic aerotriangulation methods. Seven horizontal control stations were used in the strip adjustments. All horizontal control point residuals were within NOS bridging accuracy requirements.

Compilation photography was the 1:20,000 scale color and black-and-white infrared photos. The map was compiled using both graphic and stereo instrument methods.

All line work is smooth compilation drafting.

A Chart Maintenance Print was submitted to the Marine Chart Division.

The following items are registered in the Bureau Archives:

1. A plastic copy of the map (1:20,000 scale).
2. A Descriptive Report.

A negative is on file in the Reproduction Division.

A negative is on file in the Photo Map and Imagery Information Section.

All field data are filed in the National Archives.



## FIELD INSPECTION

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of horizontal control necessary for aerotriangulation.

PHOTOGRAMMETRIC PLOT REPORT  
MONOMOY ISLAND, MASSACHUSETTS  
CM-7807  
April 1978

AREA COVERED

The area covered by this project is the Monomoy Island area of Massachusetts. One 1:20,000 manuscript, TP-00725, covered the entire project area.

METHOD

Strip #1 of 1:20,000 bridging photography was measured by analytic aerotriangulation methods. Six of the seven horizontal control stations used in the strip adjustment were paneled. The other was an office identified lighthouse. Vertical control was obtained by using shoreline elevation points. No tie points were used.

Ratio points were drilled <sup>ON</sup> Strip #1 and pricked on 1:10,000 contacts of Strip #2.

A plotter tape for Strip #1 was generated and turned over to compilation for plotting.

ADEQUACY OF CONTROL

All horizontal control point residuals were within NOS bridging accuracy requirements. The location of horizontal control was adequate.

The location and adjustment of the vertical control was satisfactory.

PHOTOGRAPHY

Due to the degree of overlap in Strip #1, every other photograph was used in the bridging strip. Coverage and quality of the photography was adequate.

Submitted by:

*Robert E. Fisher*

Robert E. Fisher

Approved and Forwarded:

*Don O. Norman*

Don O. Norman  
Acting Chief, Aerotriangulation Section

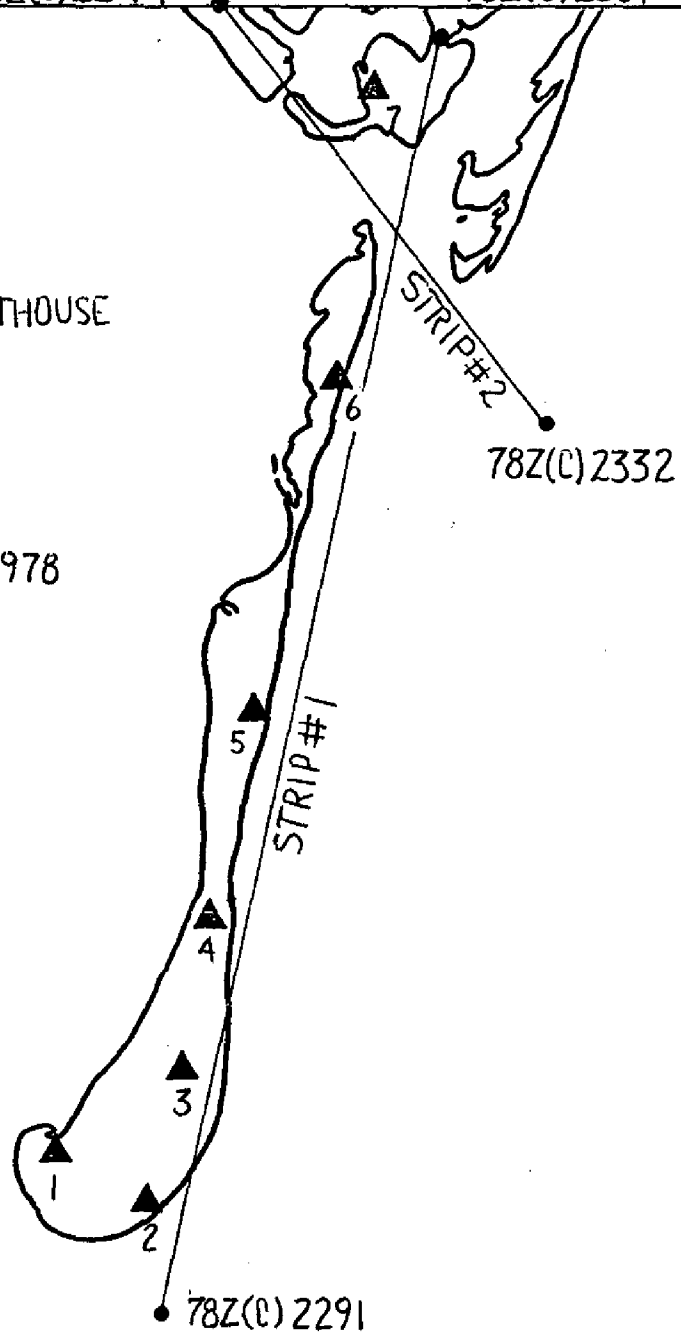
14  
41° 40' 00"

78Z(C)2344

78Z(C)2307

CONTROL

- 1. H-2-MA-78
- 2. H-3-MA-78
- 3. MONOMOY PT. LIGHTHOUSE
- 4. H-1-MA-78
- 5. H-4-MA-78
- 6. H-5-MA-78
- 7. MORRIS ISLAND 1978



CM 7807  
MONOMOY IS. MA.

TP 00725

41° 30' 00"

70° 05' 00"

69° 55' 00"

DESCRIPTIVE REPORT CONTROL RECORD

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

MAP NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	JOB NO.		GEOIDETIC DATUM		ORIGINATING ACTIVITY		REMARKS
				CM-7807	North American 1927	COORDINATES IN FEET	STATE	ZONE	Geographic Position	
70-00725										
	MORRIS ISLAND 1978 (Field position)	Field Position	307100	X= 1,018, 357.75	φ 41-39-31.523	λ 69-58-08.488	✓			Not plotted on map. Will not be processed by Geodesy (NGS)
	MORRIS (M.G.S.) 1938	G.P.S.-P.220		Y= 243,802.55	λ 69-58-07.632	φ 41-39-30.857	✓			Not plotted on map.
	MONOMOY POINT LIFE			X=	φ 41-33-11.969	λ 70-00-31.465	✓			Appears to be destroyed on photos.
	STATION COPULA 1906			Y=	φ 41-39-29.861	λ 69-58-06.039	✓			Not plotted on map.
	STAGE HARBOR LIGHT 1954	G.P.S.-P.890		X=	φ 41-33-33.199	λ 69-59-39.091	✓			
	MONOMOY PT. LIGHTHOUSE 1875	G.P.S.-P.213	295100	Y= 1,012,121.41	φ 41-39-30.914	λ 69-59-03.227	✓			
	STAGE HARBOR LIGHTHOUSE 1880	G.P.S.-P.165		X=	φ	λ	✓			
				Y=	λ	φ	✓			
				X=	φ	λ	✓			
				Y=	λ	φ	✓			
				X=	φ	λ	✓			
				Y=	λ	φ	✓			
				X=	φ	λ	✓			
				Y=	λ	φ	✓			
COMPUTED BY			DATE	COMPUTATION CHECKED BY				DATE		
LISTED BY			DATE	LISTING CHECKED BY				DATE		
HAND PLOTTING BY			DATE	HAND PLOTTING CHECKED BY				DATE		



## Compilation Report

TP-00725

31. Delineation

This map was compiled using both stereo instrument and graphic compilation methods. Map points and planimetric features were compiled using the Wild B-8S Aviograph Stereoplotter and the bridged natural color photography. Planimetric features consist of water-front structures, man-made alongshore and offshore details, and interior cultural features. The instrument compilation provided additional horizontal control necessary for the graphic compilation. Graphic compilation from ratioed prints of the black-and-white infrared photography was used to depict the mean high and approximate mean low water lines, and drainage features. The natural color photography, taken in August 1978, was used graphically to update the instrument compilation, and to delineate the marsh and shallow areas. All features mapped are based on office interpretation of the photography.

Due to lack of photo coverage, a portion of the shoreline along Harding Beach was not compiled.

32. Control

Refer to the Photogrammetric Plot Report bound with this Descriptive Report.

The identification, density, and placement of horizontal and vertical control was adequate.

33. Supplemental Data - None

34. Contours and Drainage

Contours are not applicable.

All drainage is from office interpretation of the black-and-white infrared photography.

35. Shoreline and Alongshore Details

The mean high water line and the approximate mean low water line were compiled from office interpretation of the tide controlled, black-and-white, infrared photography. The outermost water/land interface photographic image was used to compile the approximate mean low water line. Minimal water penetration is apparent on these photographs, therefore; some areas compiled within the approximate mean low water line symbol, may be wet to a small degree.

Alongshore and foreshore features were delineated by office interpretation of the color photography. Shallow water areas depicted on this map do not represent specific water depths and were compiled as an aid to the hydrographer.

There was no preliminary field inspection of the shoreline.

36. Offshore Detail

No unusual problems were encountered in compiling details offshore.

37. Landmarks and Aids

Refer to the 76-40 listings bound with this Descriptive Report for those charted landmarks and fixed aids identifiable on the compilation photography.

38. Control for Future Surveys

No Form 524 was submitted.

39. Junctions

Refer to Form 76-36B, Item 5, bound in this Descriptive Report.

40. Horizontal and Vertical Accuracy - No comment

41. thru 45. Inapplicable

46. Comparison with Existing Maps

A comparison was made with the following USGS quadrangles:

Cheatham, Mass., 1:24,000 scale, 1974 Edition  
Monomoy Point, Mass., 1:24,000 scale, 1974 Edition

47. Comparison with Nautical Charts

A comparison was made with the following charts:

13229, 1:40,000 scale, 15th Edition, dated 2/3/79.  
13244, 1:40,000 scale, 32nd Edition, revised 9/24/77.  
13248, 1:20,000 scale, 5th Edition, dated 11/1/75

Items to be applied to Nautical Charts immediately - None

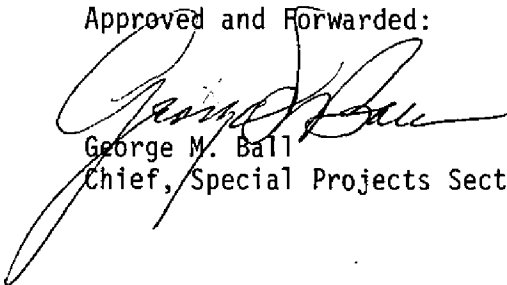
Items to be carried forward - None

Submitted by,



G. Fromm

Approved and Forwarded:



George M. Ball  
Chief, Special Projects Section

Review Report  
T-00725  
Shoreline Map

61. General Statement

The map was reviewed in its Class III Map (No field edit) stage by the Quality Control Group. The Descriptive Report prepared for this map, contains all of the pertinent information which may be required by its users.

62. Comparison with Registered Topographic Surveys

None

63. Comparison with Maps of Other Agencies

Refer to Item #46 of the Compilation Report bound with this Descriptive Report.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

Refer to Item #47 of the Compilation Report bound with this Descriptive Report.

66. Adequacy of Results and Future Surveys

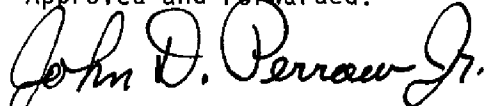
This map meets the National Standards of Map Accuracy and complies with compilation instructions and Bureau requirements.

Submitted by,



E. L. Rolle

Approved and Forwarded:



Chief, Photogrammetric Branch



Chief, Photogrammetry Division



February 6, 1980

## GEOGRAPHIC NAMES

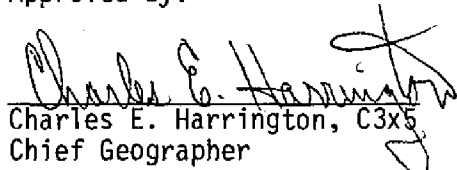
## FINAL NAME SHEET

CM-7807 (Monomoy Island, Mass.)

TP-00725

Atlantic Ocean	Morris Island
Big Station Pond	Nantucket Sound
Chatham Harbor	Oyster Pond River
Chatham Roads	Powder Hole
Harding Beach	Quitnessit
Harding Beach Point	Sears Point
Hospital Pond	Stage Harbor
Lighthouse Marsh	Stage Island
Monomoy Beach	Station Pond Marsh
Monomoy Island	Trains Creek
Monomoy Point	

Approved By:

  
Charles E. Harrington, C3x5  
Chief Geographer

SVY TP-00725 \*  
JOB CM-7807 \*  
PRJ MONOMOY IS \*  
DTM NA 1927 \*

\* POSITIONS DETERMINED \* NO FIELD EDIT-CLASS III MAP \* FIELD REPRESENTATIVE  
AND/OR VERIFIED BY \* GREGORY FROMM \* OFFICE COMPILER  
FIELD AND OFFICE \* NOT DIGITIZED \* DIGITIZER  
ACTIVITIES \* HENRY FELICES \* DATA PROCESSER

KEY FOR ENTRIES UNDER METHOD AND DATE OF LOCATION

OFFICE

1. OFFICE IDENTIFIED AND LOCATED OBJECTS.  
THE NUMBER AND DATE (INCLUDING MONTH, DAY  
AND YEAR) OF THE PHOTOGRAPH USED TO  
IDENTIFY AND LOCATE THE OBJECT ARE SHOWN.  
EXAMPLE 75E(C)6042  
9-12-77

FIELD

1. NEW POSITION DETERMINED OR VERIFIED  
KEY TO SYMBOLS  
F-FIELD P-PHOTOGRAMMETRIC  
L-LOCATED VIS-VISUALLY  
V-VERIFIED 5-FIELD IDENTIFIED  
1-TRIANGULATION 6-THEODOLITE  
2-TRAVERSE 7-PLANETABLE  
3-INTERSECTION 8-SEXTANT  
4-RESECTION

A. FIELD POSITIONS\* SHOW THE METHOD OF  
LOCATION AND DATE OF FIELD WORK.  
EXAMPLE F-2-6-L  
8-12-76

\* FIELD POSITIONS ARE DETERMINED BY FIELD  
OBSERVATIONS BASED ENTIRELY UPON GROUND  
SURVEY METHODS

2. TRIANGULATION STATION RECOVERED  
WHEN A LANDMARK OR AID WHICH IS ALSO A TRI-  
ANGULATION STATION IS RECOVERED, A TRIANG.  
REC. WITH DATE OF RECOVERY IS SHOWN.  
EXAMPLE TRIANG. REC.  
9-12-76

3. POSITION VERIFIED VISUALLY ON PHOTOGRAPH  
SHOWN BY V-VIS AND DATE.  
EXAMPLE V-VIS  
9-12-75

\* PHOTOGRAMMETRIC FIELD POSITIONS ARE  
DEPENDENT ENTIRELY, OR IN PART, UPON CONTROL  
ESTABLISHED BY PHOTOGRAMMETRIC METHODS.

\* NOTE: WHERE THE NAME OF AN AID INCLUDES THE IMMEDIATE GEOGRAPHIC HEADING UNDER WHICH IT IS LISTED, \*  
A DASH (-) IS USED TO INDICATE THE GEOGRAPHIC HEADING WHICH IS PART OF THE OFFICIAL NAME. \*

PHOTOGRAMMETRIC BRANCH  
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA  
DEPARTMENT OF COMMERCE USA

\* SVY TP-00725 \*  
\* JOB CM-7807 \*  
\* PRJ MONOMOY IS \*  
\* DTM NA 1927 \*  
\* \* \* \* \*

\* THE FOLLOWING OBJECTS HAVE BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS \*  
\* \* \* \* \*

\* \* \* \* \*  
\* CHARTING \* RECORD REASON FOR DELETION \* LATITUDE \* LONGITUDE \* POSITION \* CMD \* METHOD AND DATE \* \* \* \* \*  
\* NAME \* PUT TRIANGULATION NAMES IN( ), \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*

\* \* \* \* \*  
\* DOME \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*

\* \* \* \* \*  
\* DOME \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*

\* \* \* \* \*  
\* OLD \* \* \* \* \*  
\* TOWER \* (MONOMOY PT LIGHTHOUSE 1875) \* \* \* \* \*  
\* \* \* \* \*

\* \* \* \* \*  
\* OLD \* \* \* \* \*  
\* TOWER \* (STAGE HARBOR LIGHTHOUSE 1990) \* \* \* \* \*

\* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*

\* \* \* \* \*  
\* CHARTED LOMK(S) NOT VISIBLE ON COMPILATION PHOTOS AND APPEAR \* \* \* \* \*  
\* DESTROYED. CONDITION OF TRIANGULATION STATION IS UNKNOWN. \* \* \* \* \*

\* \* \* \* \*  
\* CUPOLA \* (MONOMOY POINT LIFE STATION \* \* \* \* \*  
\* CUPOLA 1906) \* \* \* \* \*  
\* \* \* \* \*

\* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*



## National Archives Data

T-00725

Bridging photography:

78Z(C) 2291, 93, 95, 97, 99, 2301, 03, 05, 07 and 09

78Z(C) 2332, 34, 36, 38, 40, and 44

1 Horizontal control diagram

Contact B&W from color photos with horizontal control identification:

78Z(C) 2435, 37, 41, 45, 47 and 49

Horizontal control data

Example field sketch and photos of premarked control

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. TR 00725

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
13248 (220)	6/13/80	<i>HR Barbara Loyd</i>	Full <del>Part</del> <del>Before</del> After Verification Review Inspection Signed Via Drawing No. <sup>5<sup>th</sup> Ed.</sup> Revised shoreline, marsh areas & LWL
13229 (114)	6/17/80	<i>HR Barbara Loyd</i>	Full <del>Part</del> <del>Before</del> After Verification Review Inspection Signed Via Drawing No. #17 A-B Revised shoreline, marsh areas & LWL
13244 (250)	6/20/80	<i>Barbara Loyd</i>	Full <del>Part</del> <del>Before</del> After Verification Review Inspection Signed Via Drawing No. 28 Revised shoreline, marsh areas & LWL
13237 (1209)	4/24/80	<i>HR Barbara Loyd</i>	Full <del>Part</del> <del>Before</del> After Verification Review Inspection Signed Via Drawing No. # 47 Revised shore line, LWL
13246	9-25-80	<i>D. Wyli</i>	Full <del>Part</del> <del>Before</del> After Verification Review Inspection Signed Via Drawing No. 39 Revised shoreline, LWL & Marsh
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
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