

T-12963

T-12963

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline

Job No. Map No. TP-12963

Classification No. Edition No. ... 1

Field edited

LOCALITY

State Massachusetts

General Locality Boston to Plum Island

Locality Annisquam River

1965 TO 19 69

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-12963

PROJECT NO. (II):

PH-6601

FIELD OFFICE (II):

None

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center - Norfolk, VA

OFFICER-IN-CHARGE

Alfred C. Holmes, Director, AMC

INSTRUCTIONS DATED (II) (III):

Field - Aug. 4, 1965

Field - Aug. 19, 1965 Provisional instructions, Aerial photography

Office - Oct. 8, 1965 Instructions, Aerotriangulation

Office - Jan. 27, 1966

Office - Feb. 2, 1966 Instructions, Aerotriangulation

Office - Apr. 28, 1966

Field - May 20, 1966 Supplement I

Office - July 11, 1966 Supplement I

METHOD OF COMPILATION (III):

Wild B-8 Plotter and graphic

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:15,000 pantographed to 1:10,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

SEPT 1975

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III):

High water

MEAN ~~SEA LEVEL~~ EXCEPT AS FOLLOWS:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water ~~or mean lower low water~~

REFERENCE STATION (III):

C 4/2 1943

LAT.:

42° 41' 20.015"

LONG.:

70° 37' 58.698"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

= 616,625.98 Ft.

x = 833,118.93 Ft.

STATE

Massachusetts

ZONE

Mainland

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,
OR (IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

DESCRIPTIVE REPORT - DATA RECORD

T-12963

FIELD INSPECTION BY (II):

None

DATE:

MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):

Air Photo Compilation Date of Photography: August 24, and 25, 1965

PROJECTION AND GRIDS RULED BY (IV):

A.E. Roundtree

DATE

4/21/66

PROJECTION AND GRIDS CHECKED BY (IV):

R. Glaser

DATE

4/27/66

CONTROL PLOTTED BY (III):

C. Blood

DATE

9/14/66

CONTROL CHECKED BY (III):

L. Neterer

DATE

9/14/66

RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):

H.P. Eichert

DATE

11/1/66

STEREOSCOPIC INSTRUMENT COMPILATION (III):

PLANIMETRY J. Place

DATE

Reviewed by: not known

CONTOURS

DATE

NA

MANUSCRIPT DELINEATED BY (III):

B. Barge

DATE

5/6/67

SCRIBING BY (III):

Fred Synider

DATE

11/27/72

PHOTOGRAMMETRIC OFFICE REVIEW BY (III):

C.H. Bishop

DATE

3/6/68

REMARKS:

DESCRIPTIVE REPORT - DATA RECORD
T-12963

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "S"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
65S(C)7210 thru 7212	Aug. 31, 1965	07:27	1:30,000	0.2 ft. above MLW *
65S 6907R and 6908R	Aug. 24, 1965	08:32	1:30,000	8.5 ft. above MLW *
65 S(C)7296 thru 7300	Aug. 31, 1965	08:27	1:15,000	0.6 ft. below MLW *
65 S 7112R thru 7116R	Aug. 25, 1965	09:39	1:15,000	8.7 ft. above MLW *

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Portland, ME		9.0	10.4
SUBORDINATE STATION: Annisquam, MA		8.5	9.9
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

Bernard Kurs AMC

DATE:

March, 1974

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

8

RECOVERED:

6

IDENTIFIED:

1

NUMBER OF BM(S) SEARCHED FOR (II):

0

RECOVERED:

0

IDENTIFIED:

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

REMARKS:

*The stage of tide at time of Photography was determined from readings on a staff at Plum Island (Merrimack River Entrance) at that time. See Instructions Office, dated April 28, 1966.

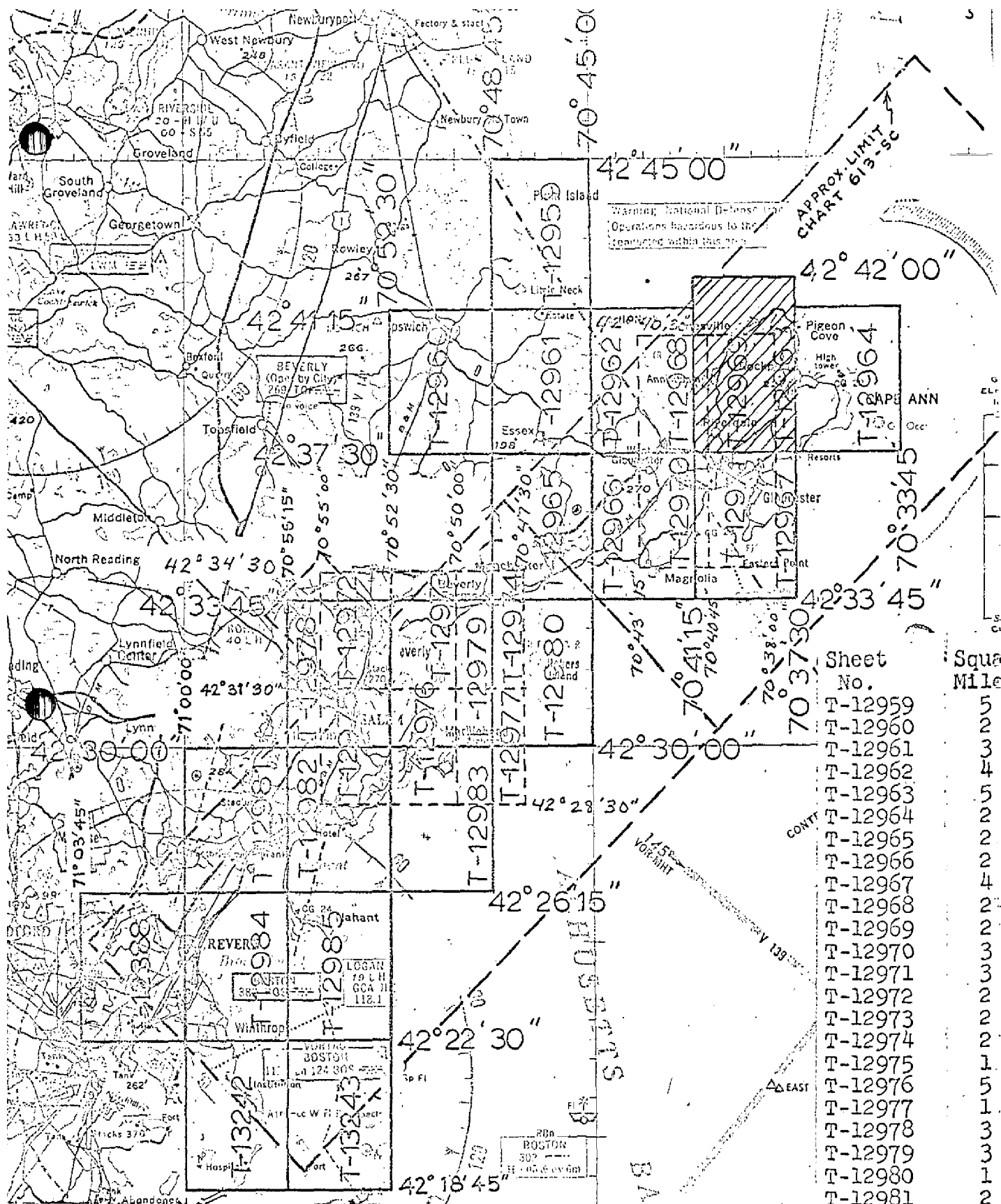
T-12963

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation complete pending Field Edit	Mar. 6, 1968	Superseded
Field Edit applied; compilation complete N. of 42°40' 30"	July, 1969	Superseded
Field Edit applied, compilation complete S. of Lat. 42°40' 30"	Sept., 1969	Superseded
Final Review	March, 1974	



Sheet No.	Squa Mile
T-12959	5
T-12960	2
T-12961	3
T-12962	4
T-12963	5
T-12964	2
T-12965	2
T-12966	2
T-12967	4
T-12968	2
T-12969	2
T-12970	3
T-12971	3
T-12972	2
T-12973	2
T-12974	2
T-12975	1
T-12976	5
T-12977	1
T-12978	3
T-12979	3
T-12980	1
T-12981	2
T-12982	3
T-12983	2
T-12984	3
T-12985	2
T-12388	3
T-13242	3
T-13243	2
TOTAL	79

JOB PH-6601
BOSTON TO PLUM ISLAND
SHORELINE MAPPING AT 1:5,000 & 1:10,000 SCALE
CHART 613-SC
CHART TOPOGRAPHY AT 1:40,000 SCALE

FIELD INSPECTION REPORT

SHEET T-12963

BOSTON TO PLUM ISLAND

PROJECT PH-6601

There was no field inspection prior to compilation

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS PH-6601

This shoreline manuscript is one of thirty-one maps that make up this project. The primary purpose of the project is to provide contemporary shoreline for nautical chart construction. Maps were also used to provide photogrammetric hydro support data for the hydrographic surveys to be conducted in the same area.

The only field work prior to compilation was recovery and identification of horizontal control required for aerotriangulation.

Field edit was accomplished by a photogrammetric field party during the years 1967, 1968, 1969 and 1970. The field edit was adequate.

Cronaflex positives and ozalids of the manuscripts were furnished for the use of the field editor and the preparation of the hydrographers boat sheets. Accompanying these were specially prepared ratio photographs to aid in the location of hydrographic signals.

Final review was accomplished at the Atlantic Marine Center from September, 1973 to April, 1974.

A cronaflex positive and negative of each reviewed manuscript are being forwarded for record and registry.

PHOTOGRAMMETRIC PLOT REPORT
Job PH-6601
Boston to Plum Island, Massachusetts

November 1, 1966

21. Area Covered

This report covers aerotriangulation for 1:5,000 and 1:10,000 scale surveys in an area north of Boston, Massachusetts. The 1:5,000 scale surveys are T-12968 thru T-12977; the 1:10,000 scale surveys are T-12959 thru T-12967 and T-12978 thru T-12985.

22. Method

Four strips were bridged by the analytic method. Strip 1 was at a scale of 1:30,000 using infrared photography; Strips 2 and 3 at a scale of 1:30,000 using color film; and Strip 4 using color film at a scale of 1:15,000.

The 1:30,000 scale bridges were to be used for the 1:10,000 scale compilation. The four-model 1:15,000 scale bridge was necessary to complete coverage on surveys T-12972 and T-12978.

Common points between the 1:30,000 and 1:15,000 scale photography were selected. Plane coordinate positions from our bridges were determined so that 1:15,000 scale models could be controlled to compile the 1:5,000 scale surveys. Plane coordinates are on the Massachusetts State Grid (Mainland). The attached aerotriangulation sketch shows location of strips bridged. Closures to control have been tabulated.

23. Adequacy of Control

Field identified control was supplemented by office identified horizontal control points and was adequate.

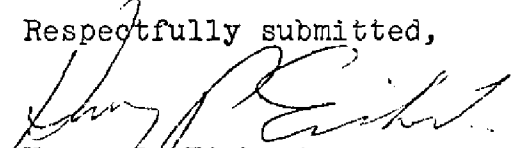
24. Supplemental Data

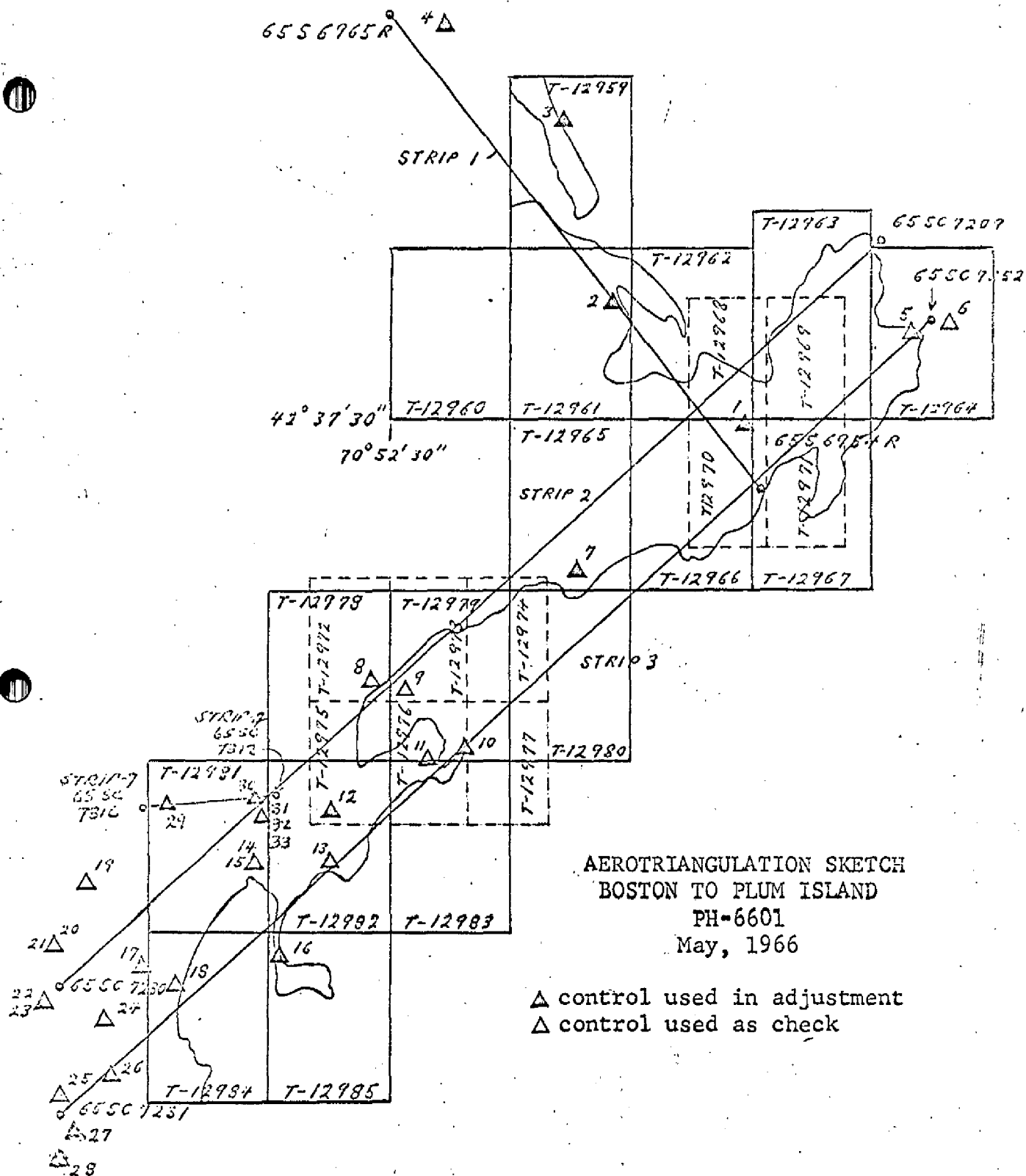
Vertical control points needed ^{as} ~~and~~ control for strip adjustments were taken from USGS quads.

25. Photography

The color photography was excellent. The infrared photography, which is not particularly suited for bridging, was adequate.

Respectfully submitted,


Henry P. Eichert



Fit To control
(feet)

STRIP #1

1 MEAD 2 (MGS), 1934

target (+0.1, +0.1)

sub. pt. (-0.9, +1.7)

2 CHOATE, 1849

target (-0.4, -0.2)

3 PLUM ISLAND COAST GUARD CUPOKA, 1943

target (+0.5, +0.3)

sub. pt. (-2.8, +4.5)

4 OLD TOWN, 1850

target (-0.2, -0.2)

RM #1 (-0.2, +0.3)

STRIP #2

5 STONEHAVEN (ROCKPORT TOWN (MGS)), 1939

target (+1.2, -2.6)

sub. pt. A (-0.7, -1.6)

sub. pt. B (+1.3, -3.0)

- 1 MEAD 2 (MGS), 1934

target (0.0, +3.3)

sub. pt. (+0.7, +3.6)

7 MANCHESTER CHURCH DARK SPIRE, 1848

target $(-6.0, +0.8)$

sub pt. A $(-7.1, +3.1)$

~~sub pt. B~~

8 SALEM, NEW ENGLAND POWER CO. SOUTH STACK, 1954

office identified $(+4.8, +1.9)$

9 FORT PICKERING LIGHTHOUSE, 1877

office identified $(+6.0, +1.0)$

14 HIGH ROCK 2 (MGS)

sub pt. A $(+3.2, -4.4)$

sub pt. B $(+2.0, -2.8)$

15 HIGH ROCK 3, 1943

office identified $(+1.8, -3.7)$

17 REVERE CATHOLIC CHURCH TOWER, 1934

office identified $(-4.0, -4.0)$

19 BOOTH (MGS), 1934

sub pt. A $(+3.4, -1.4)$

24 CHELSEA QUIGLEY MEM. HOSPITAL W.T., 1958

office identified $(-1.5, +2.2)$

20 MEDFORD RADIO STATION WEEI-FM TOWER, 1958

~~sub pt. A~~ office identified $(+2.1, -1.0)$

21 MEDFORD TV STATION WNAC TOWER, 1958

office identified $(+5.3, -1.0)$

22 MEDFORD RADIO STATION WEEI NE TOWER, 1958

office identified (+1.4, +3.0)

23 MEDFORD RADIO STATION WEEI SW TOWER, 1958

office identified (+1.7, +3.1)

STRIP #3

28 BOSTON STATE HOUSE, 1934

office identified (+2.6, +5.5)

27 BOSTON CUSTOM HOUSE TOWER, 1916

office identified (+3.7, +4.7)

25 CHARLESTOWN BUNKER HILL MON., 1846

office identified (+2.2, +0.1)

26 EAST BOSTON, BOSTON and ALBANY R.R. TANK, 1916

office identified (+1.6, +5.5)

24 CHESLEA QUIGLEY MEM. HOSPITAL W.T., 1958

office identified (+7.3, -2.0)

17 REVERE CATHOLIC CHURCH TOWER, 1934

office identified (-4.0, -5.0)

18 REVERE BEACH STACK, 1919

office identified (-4.1, -2.2)

14 HIGH ROCK #2

sub ~~to~~ pt. B (+2.9, +3.9)

16 NAHANT COAST GUARD GUPOLA, 1919

office identified (+3.6, +6.4)

13 SWAMPSCOTT HIGH SCHOOL FINIAL, 1940

office identified $(+0.7, +3.4)$

12 SWAMPSCOTT LARGER STANDPIPE, 1934

office identified $(+0.7, +1.8)$

11 MARBLEHEAD, ABBOT TOWER, 1919

office identified $(-0.6, +4.4)$

10 MARBLEHEAD LIGHTHOUSE, 1914

office identified $(+2.0, +5.1)$

7 MANCHESTER CHURCH PARK SPIRE, 1848

target $(-3.5, -5.8)$

sub pt A $(-4.1, -5.2)$

1 MEAD 2 (MGS), 1934

target $(+3.8, -0.7)$

sub. pt. $(+6.2, -1.2)$

5 STONEHAVEN (ROCKPORT TOWN (MGS)), 1939

target $(-2.1, +0.3)$

sub pt A $(-1.3, +1.6)$

sub pt B $(-2.0, +1.2)$

6 STRAITS MOUTH LIGHTHOUSE, 1902

office identified $(-3.1, -5.2)$

STRIP # 4

29 DANVERS, COOKE & KRAUSE ~~CO.~~ CHIMNEY, 1919

HOME STA (-0.78 +0.79)

SS "A" (-0.01 -0.01)

SS "B" (-1.83 +1.74)

30 BEVERLY, UNITED SHOE MFG. CO. STK., 1934

(-0.01 -0.01)

31 BEVERLY, ODD FELLOWS CUPOLA, 1934

(-1.29 +1.55)

32 BEVERLY, ST. MARY'S CHURCH SPIRE, 1934

(-1.32 -1.09)

33 BEVERLY 1ST BAPTIST CHURCH, 1914

(+1.35 +1.10)

TIE POINTS

12601 (-0.28 -6.78)

12602 (-3.79 -3.20)

13601 (-2.56 -3.47)

14601 (-3.15 -1.53)

COMPILATION REPORT
MAP MANUSCRIPT T-12963
BOSTON TO PLUM ISLAND
PROJECT PH-6601

31. DELINEATION

Delineation was by Wild B-8 Plotter and graphic methods. Shoreline pass points were dropped and interior and offshore details were compiled with the B-8; the mean high water line and any features missed during instrument compilation were compiled graphically.

32. CONTROL

See Photogrammetric Plot Report dated November 1, 1966 attached to this report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are not applicable.

Drainage was compiled from office interpretation of the photos.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line was delineated from office interpretation of infrared photographs.

The mean low water line, ledge and shallow lines, foreshore area and alongshore structures were delineated from office interpretation of photographs taken at low water.

There was no field inspection; therefore, more items are left for the field editor and hydrographer to resolve.

36. OFFSHORE DETAILS

Reefs and rocks detached from the foreshore area were compiled from office interpretation of photographs taken at low water.

37. LANDMARKS AND AIDS

Form 76-40 for six landmarks and seven fixed aids to navigation to be charted and Form 76-40 for one landmark to be deleted were forwarded to the Rockville office on March 5, 1974.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Satisfactory junctions have been made with T-12964, scale 1:10,000 to the east, T-12967, scale 1:10,000 and T-12971, scale 1:5,000 to the south, and T-12962, scale 1:10,000 and T-12968, scale 1:5,000 to the west. There is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USGS Quadrangle GLOUCESTER, MA, dated 1960.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with CHART 233, scale 1:10,000, 4th Edition dated ~~Sept, 23, 1942~~ ^{2/24/63}, Revised June 27, 1963 and CHART 243, scale 1:20,000, 8th Edition dated Sept, 14, 1964.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARDED

None.

Submitted:

Charles H. Bishop

Charles H. Bishop
Cartographer
July, 1969

Approved for forwarding:

Jeffrey G. Carlen

Jeffrey G. Carlen, CDR, NOAA
Chief, Coastal Mapping Division

Approved:

Alfred C. Holmes

Alfred C. Holmes, RADM, NOAA
Director, Atlantic Marine Center

Sept. 24, 1973

GEOGRAPHIC NAMES

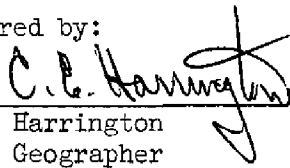
FINAL NAME SHEETS

Ph-6601 (Boston to Plum Island, Mass.)

T-12963

Annisquam River
Babson Point
Barn Rocks
Bay View
Davis Neck
Folly Cove
Folly Point
Goose Cove
Halibut Point
Hodgkins Cove
Hoop Hole Cove
Ipswich Bay
Jones River
Lanesville
Langsford Pond
Lobster Cove
Mill Pond
Mill River
Pigeon Cove
Plum Cove
Riverdale
Riverview
Strangman Pond
Thurston Point
Wheeler Point
Wigwam Point

Prepared by:


C. E. Harrington
Staff Geographer

T - 12963

49. NOTES FOR THE HYDROGRAPHER AND FIELD EDITOR

Separate edit ozalids have been prepared for your respective uses. These are intended to simplify your efforts and eliminate the possibility of any duplication of edit procedures.

On each are noted pertinent remarks concerning doubtful interpretations or items of compilation requiring additional clarification and/or verification.

For the field editor, notes include all items inshore from the approximate M.L.W.L. All offshore items are noted for the Hydrographer's attention.

Among these items requiring edit by both parties, are "Landmarks and Aids". These are indicated by a numeral. The following key is an explanation of the attention they may require:

1. Object not visible on photos. Verify by edit.
2. Object visible, position verified.(by compiler)
3. Object visible, position re-determined. Verify by edit.
4. Object which may be a landmark or new aid. Verify by edit.

Forms 567 should be submitted for all "Landmarks and Aids".

PHOTOGRAMMETRIC OFFICE REVIEW
T-12963

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) X		7. PHOTO HYDRO STATIONS X
8. BENCH MARKS X	9. PLOTTING OF SEXTANT FIXES X	10. PHOTOGRAMMETRIC PLOT REPORT CHB	11. DETAIL POINTS CHB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES CHB
16. AIDS TO NAVIGATION CHB	17. LANDMARKS CHB	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER X		22. PLANETABLE CONTOURS X
23. STEREOSCOPIC INSTRUMENT CONTOURS X	24. CONTOURS IN GENERAL X	25. SPOT ELEVATIONS X	26. OTHER PHYSICAL FEATURES X
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS X	30. OTHER CULTURAL FEATURES CHB
BOUNDARIES			
31. BOUNDARY LINES X		32. PUBLIC LAND LINES X	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB	34. JUNCTIONS		35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY CHB	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS NONE	39. FORMS CHB
40. REVIEWER <i>Charles H. Bishop</i> Charles H. Bishop 3/6/68		SUPERVISOR REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> A.C. Rauck, Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILED C.H. Bishop 7/29/69		SUPERVISOR <i>Albert C. Rauck, Jr.</i> A.C. Rauck, Jr.	
Reviewed: A.L. Shands 8/1/69			
43. REMARKS Field Edit applied from: Field Edit Ozalid, T-12963, Matte ratio photos 65 S 7299(1:5,000), 65 S 7210 (1:10,000) and Form 567 (field) The area covered by T-12968 and T-12969 was traced from reductions of those sheets.			

22

FIELD EDIT REPORT
JOB PH-6601
Map T-12963
Massachusetts

This map was field-edited during June and July 1969. The map was compiled without field inspection prior to compilation, therefore, a complete and thorough field edit was done. All field notes were made in violet ink on the ratio prints and referenced from the field edit sheet.

52. ADEQUACY OF COMPILATION

The adequacy of the compilation was good; especially the compilation of ledges and foreshore.

54. RECOMMENDATIONS

None

56. LANDMARKS AND AIDS

Form 567 is submitted for all nautical landmarks and fixed aids within the limits of this map. Charting names for several nautical landmarks have been recommended for change. Many landmark buildings (not nautical landmarks) were deleted on the field edit ovalid. They were not prominent nor neither were they considered of any value as a landmark building.

See Field Edit Report for Map T-12962 concerning submission of Form 567 in this area.

57. ROCKS AND ROCK LEDGES

The Hydrographic Party in 1967 edited a portion of this map for rocks. This field editor only edited the portions not resolved previously. All rock inspection was done at or near low-water.

Elevations of rocks at low-water have generally been found to be shown too low by compiler; maybe caused by sea-growth on rocks.

Individual rock symbols have been show in many places where the the field editor believes the areas would be better represented by a ledge symbol.

58. MISCELLANEOUS

Several streets, roads, highway numbers etc. have been shown by notation on the field edit ovalid.

All of Map T-12969 and a part of Map T-12968 fall within the limits of this map. Separate field edit ovalids for these two maps have been submitted.

Field edit corrections have been shown on the following photographs: 65-S-7210, 65-S-7297 and 65-S-7299.

Submitted By:
Ernest W. Hartford
Ernest W. Hartford
Surveying Technician
July 10, 1969

NONFLOATING AIDS ~~FOR CHARTS~~ FOR CHARTS

TO BE CHARTED

STRIKE OUT TWO

Ipswich, MA

July 2, 1969

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(detached forms)~~ the charts indicated.

The positions given have been checked after listing by

E.W. Hartford

J. K. Wilson *Chief of Party*

J.K. Wilson

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be charted on *(deleted from)* the charts indicated.

The positions given have been checked after listing by

Ipswich, MA

July 2 1969

F. W. Hartford.

J.K. Wilson	Chief of Party.
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[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

16284261, JG-MCMC-2016-0001



STRIKE OUT TWO

Atlantic Marine Center

Norfolk, VA

July 28, 1969

I recommend that the following objects which have ~~(been examined)~~ been inspected from seaward to determine their value as landmarks be ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by Charles H. Bishop (deleted from) the cards indicated.

Alfred C. Holmes,
Director, AMC

Chief of Party.

*In the same area as OBS TOWER (Concrete, square, gray ht= 47' (147'))
See Form 567, Landmarks for Charts, To Be Charted, for T-12963.

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be recorded for the charting of the area and not for individual field survey sheets. Information under each column heading should be given.

TABULATE SECONDS AND METERS

USCOMM-DC 10234-P81

TO BE CHARTED
TO BE REMISED
TO BE DELIVERED

STRIKE OUT TWO

LANDMARKS FOR CHARTS

Atlantic Marine Center
Norfolk, Virginia

T-1296

July 25, 1969

I recommend that the following objects which have ~~(been examined)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the chart)~~ the charts indicated.

The positions given have been checked after listing by

Charles H. Bishop

Alfred C. Holmes,
Director. AMC

STATE	MASSACHUSETTS		SIGNAL NAME	DESCRIPTION	POSITION							METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION Verif.	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
					LATITUDE *		LONGITUDE *			DATUM							
					° ' "	D.M. METERS	° ' "	D.P. METERS									
				IPSWICH BAY													
*CHURCH SPIRE				White metal spire ht= 96 (176)	42 40	41.09 1258	70 39	15.88 362	NA 1927	Photo T-12963	6/23/69	X				243	
OBS TOWER				Concrete square, gray (C4) B2 S1 & IO 1943) ht= 47 (147)	42 41	20.015 617.6	70 37	58.698 1336.3	NA 1927	Triang. T-12963	6/23/69	X				243	
TANK				SANDY BAY (Rockport Pigeon Hill Standpipe 1940) ht= 35 (240)	42 40	19.633 605.8	70 37	46.481 1058.4	NA 1927	Triang. T-12963	6/23/69	X				243	
STAND-PIPE				(Rockport Water Tower 1902 ht= 75 (245))	42 38	40.498 1249.6	70 37	47.158 1074.3	NA 1927	Triang. T-12963	6/23/69	X				243	
*Same				position as Δ Lanesville Church Spire 1902. NOTE: Landmarks and non-floating aids within the area of T-12963 that is covered by T-12968 and T-12969 are listed on Form 567 for T-12968 and T-12969.						(Original spire destroyed)							

This form shall be prepared in accordance with the Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be

* TABULATE SECONDS AND METERS

REVIEW REPORT T-12963

SHORELINE

MARCH, 1974

61. GENERAL STATEMENT:

See Summary which is page six (6) of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with T-11155, 1:10,000 scale field inspection and photography 1953. There is good general agreement. Differences occur only in areas of marsh islands and grass in water which is attributed to natural changes.

This survey supersedes any prior listed survey for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangle GLOUCESTER, MA, 1:24,000 scale dated 1960. There is good general agreement except for natural changes mentioned in paragraph 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with smooth Boat Sheet H-8940, 1967 at 1:10,000 scale. There is very good agreement of the two surveys.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 243 at 1:20,000 scale dated Nov. 4, 1972. There was good general agreement except as mentioned in paragraph 62.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with project instructions and the National Standards of Map Accuracy.

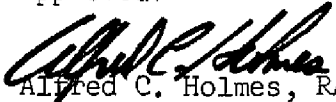
Reviewed By:

Bernard Kurs
Bernard Kurs, Cartographer

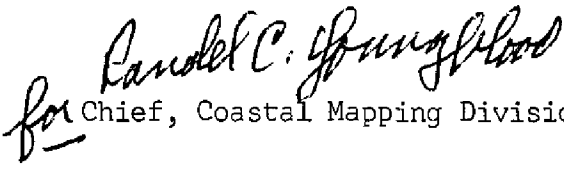
Approved for forwarding:


Jeffrey G. Carlen, CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved:


Alfred C. Holmes, RADM, NOAA
Director, Atlantic Marine Center

Approved:

Chief, Photogrammetric Branch  for Chief, Coastal Mapping Division