

T-12959

T-12959

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey *Shoreline (Photogrammetric)*Job No. *PH-6601*..... Map No. *T-12959*.....

Classification No. Edition No.

Field Edited

LOCALITY

State *Massachusetts*.....General Locality *Boston to Plum Island*.....Locality *Plum Island Sound*.....

19 65 TO 1968

Alfred C. Holmes, Director, AMC

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T-12959

PROJECT NO. (II): Job PH-6601		
FIELD OFFICE (III):		CHIEF OF PARTY
PHOTOGRAMMETRIC OFFICE (III): Atlantic Marine Center, Norfolk, VA		OFFICER-IN-CHARGE Alfred C. Holmes, Director, AMC
INSTRUCTIONS DATED (II) (III): Field - August 4, 1965 Field - August 19, 1965 Provisional Instructions, Aerial Photography Office - October 8, 1965 Instructions, Aerotriangulation Office - January 27, 1966 Office - February 2, 1966 Instructions, Aerotriangulation Office - April 28, 1966 Field - May 20, 1966 Supplement I Office - July 11, 1966 Supplement I		
METHOD OF COMPILATION (III): Kelsh and graphic		
MANUSCRIPT SCALE (III): 1:10,000	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:6,000 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): NA 1927	VERTICAL DATUM (III): MHW 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 at low tide	
REFERENCE STATION (III): Plum Island Coast Guard Cupola 1943		
LAT.: 42°44' 16.010" (494.0m)	LONG.: 70°47' 20.717" (471.2m)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): y 634, 054.42 Ft. x = 790, 996.31 Ft.		STATE: MASS ZONE: Mainland
SMALL NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, (IV) WASHINGTON OFFICE. WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.		

FORM C&GS-181b
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III):

None

DATE:

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

Air Photo. Compilation
Date of Photography: August 1965

PROJECTION AND GRIDS RULED BY (IV):

A. E. Roundtree

DATE

4-20-66

PROJECTION AND GRIDS CHECKED BY (IV):

R. Glaser

DATE

4-27-66

CONTROL PLOTTED BY (III):

L. Neterer

DATE

9-13-66

CONTROL CHECKED BY (III):

L. Blood

DATE

9-13-66

RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):

H. P. Eichert

DATE

11-1-66

STEREOSCOPIC INSTRUMENT COMPILATION (III):

Kelsh

PLANIMETRY

J. Place

Rev. by: L. Neterer

DATE

1-25-67

1-25-67

CONTOURS

DATE

Inapplicable

MANUSCRIPT DELINEATED BY (III):

J. Place

DATE

1-31-67

SCRIBING BY (III):

J. Hinton

DATE

7-21-69

PHOTOGRAMMETRIC OFFICE REVIEW BY (III):

COMPLETION: C. H. Bishop

FIELD EDIT: C. H. Bishop

SCRIBING & STICK-UP: B. Barge

DATE

2-23-67

9-27-68

8-6-69

REMARKS:

Field Edit By: E. H. Hartford

Date: May 1967 & June 1968

DESCRIPTIVE REPORT - DATA RECORD

T-12959

CAMERA (KIND OR SOURCE) (III):



Wild RC-8 "S"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
65-S-(c)-7262 thru 7264	Aug. 31, 65	8:05	1:30,000	- 0.5 ft. below MLW*
65-S-6960 thru 6962	Aug. 24, 1965	9:04	1:30,000	+ 7.8 ft. above MLW*
65-S-6992 thru 6993	Aug. 24, 65	9:49	1:40,000	+ 7.2 ft. above MLW*

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Portland (Predicted)		9.0	10.4
SUBORDINATE STATION: Plum Island Sound (Predicted)		8.6	9.9
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Bernard Kurs, AMC

DATE:
Jan. 1974

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

RECOVERED:

1

IDENTIFIED:

1

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

None

RECOVERED:

None

IDENTIFIED:

None

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

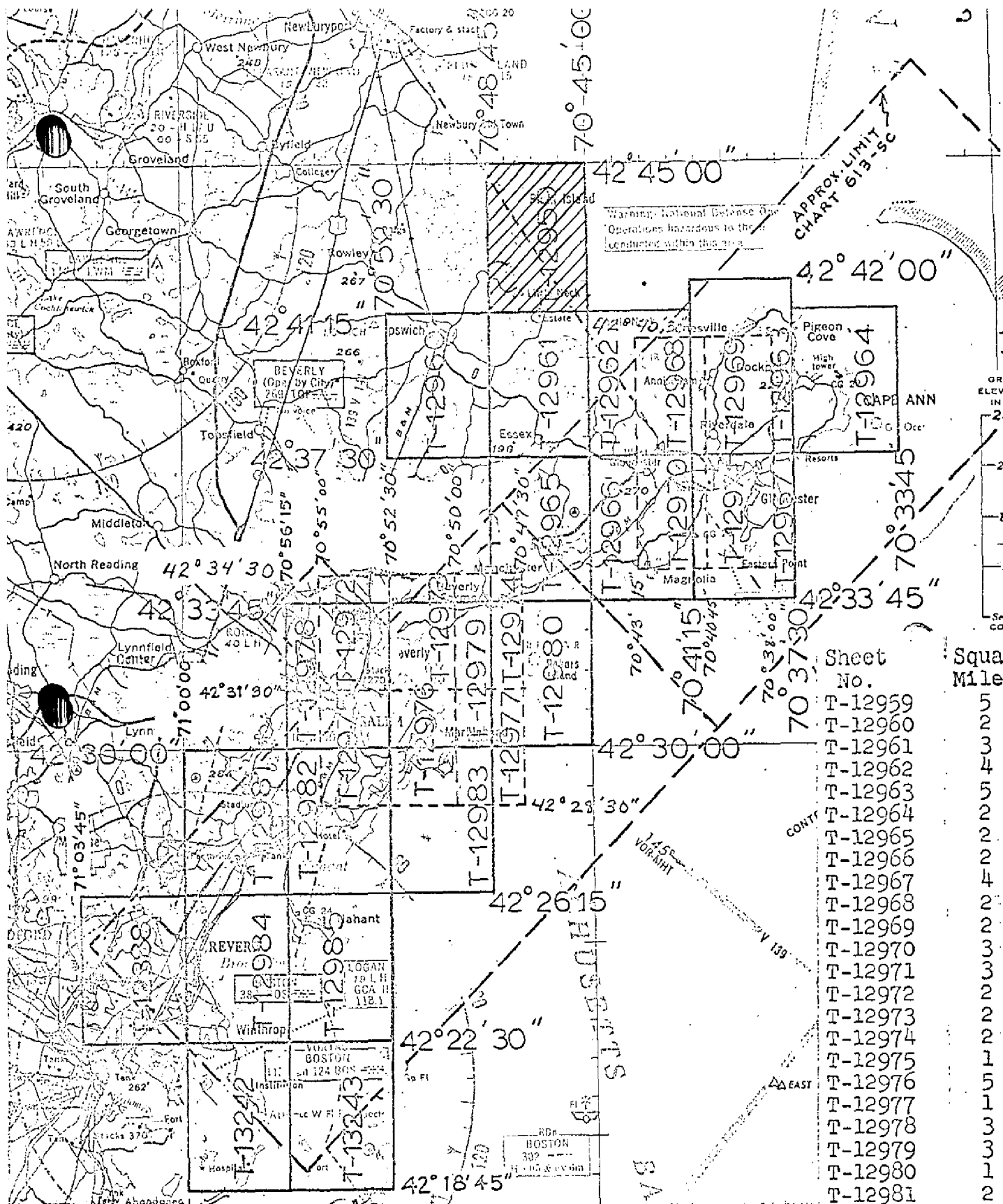
None

REMARKS:

*The stage of tide at time of photography was determined by readings on at Merrimack River Entrance at that time. See Instructions, OFFICE, dated April 28, 1966.

T-12959

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation Complete Pending Field Edit	January 1967	Superseded
Field Edit Applied	October 1967	Superseded
Additional Field Edit Applied	Sept. 1968	Superseded
Final Review	Jan. 1974	



Sheet
No.

- T-12959
- T-12960
- T-12961
- T-12962
- T-12963
- T-12964
- T-12965
- T-12966
- T-12967
- T-12968
- T-12969
- T-12970
- T-12971
- T-12972
- T-12973
- T-12974
- T-12975
- T-12976
- T-12977
- T-12978
- T-12979
- T-12980
- T-12981
- T-12982
- T-12983
- T-12984
- T-12985
- T-12388
- T-13242
- T-13243

Squa
Mile

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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

TOTAL 79

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.

FIELD INSPECTION REPORT
T-12959
Job PH-6601

There was no Field Inspection prior to Compilation.

8

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.

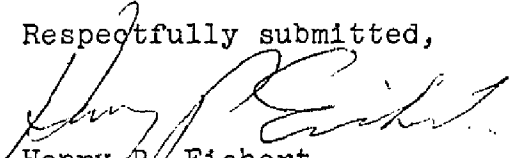
24. Supplemental Data

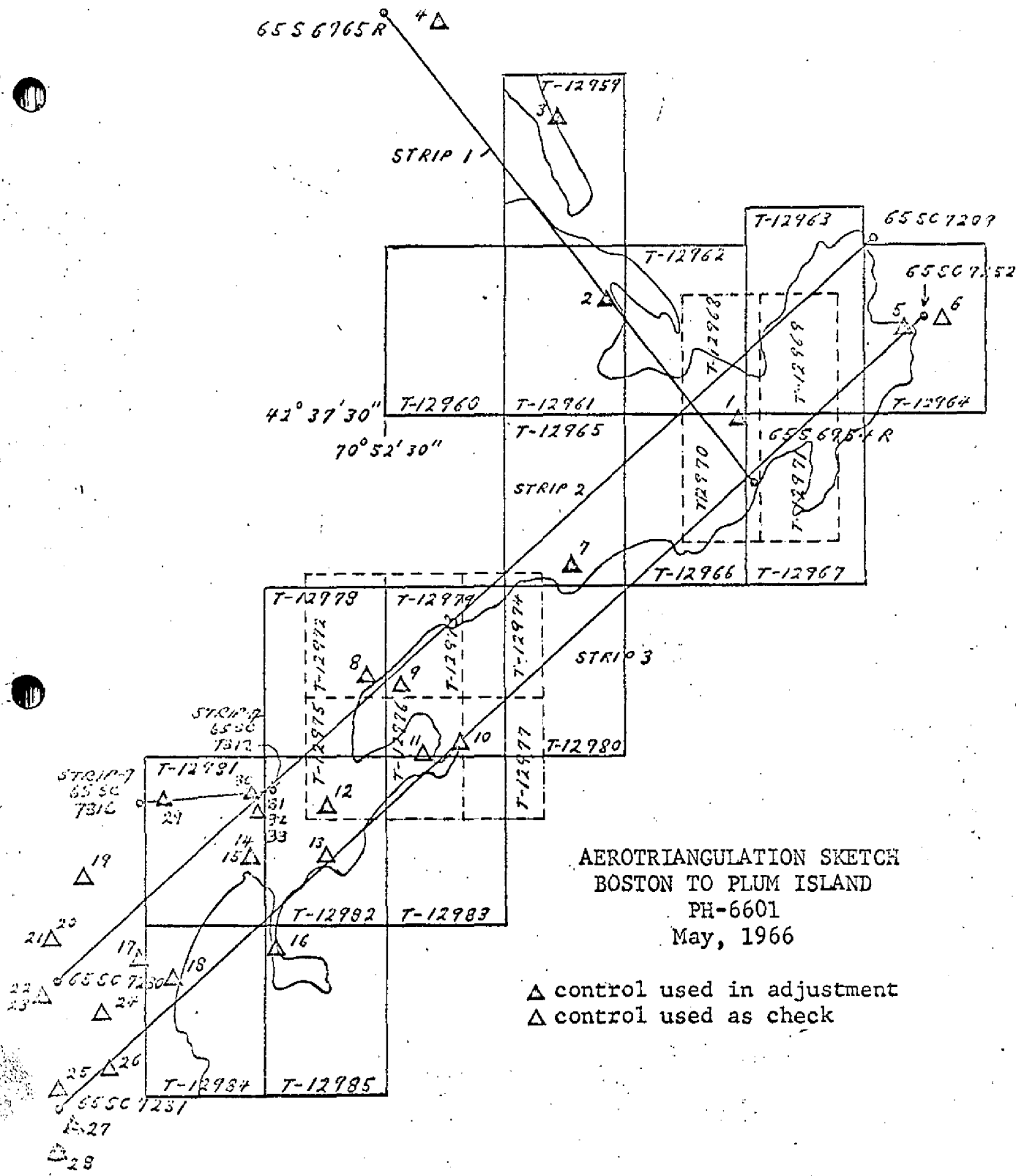
Vertical control points needed ^{as} ~~and~~ control for strip adjustments were taken from USGS quads.

25. Photography

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

Respectfully submitted,


Henry P. Eichert



AEROTRIANGULATION SKETCH
BOSTON TO PLUM ISLAND
PH-6601
May, 1966

△ control used in adjustment
△ control used as check

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 CUPOLA, 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

~~and~~ 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 ~~pt~~ 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, ABERT 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. MARYS 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)

SCALE FACTOR.....None

1 FT = 3048006 METER	DATE 10-12-66	CHECKED BY: RES	DATE 10-21-66	COMM-DC-57843
COMPUTED BY: LUG				15

COMPILATION REPORT
T-12959
JOB PH-6601

31. DELINEATION:

Both graphic and instrument methods of compilation were used. The roads were compiled by Kelsh instrument from infrared photographs. The mean high water line was compiled graphically from infrared photographs. The mean low water line, rocks, piling, piers, shallow areas, and shoals were compiled graphically using ratio prints of color photographs taken at mean low water.

32. CONTROL:

Adequate. See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable.

Drainage was compiled graphically from infrared photos.

35. SHORELINE AND ALONGSHORE DETAILS:

See Paragraph 31. The approximate mean low water line, shallow, and shoal limits and rocks were delineated from office interpretation of the photographs. Rock elevations and additional rocks are to be located by the hydrographer.

36. OFFSHORE DETAILS:

No statement.

37. LANDMARKS AND AIDS:

Form 567's for Landmarks and Aids have been submitted to the Washington Office under Date November 3, 1967.

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS:

Satisfactory junction was made with T-12961 (1:10,000 scale) to the south. There are no contemporary surveys on the west, east, and north.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

Comparison has been made with USGS Quadrangle IPSWICH, MASSACHUSETTS, scale 1:24,000, revised in 1950.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison has been made with Chart 213, scale 1:20,000, 2nd edition, revised January 11, 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

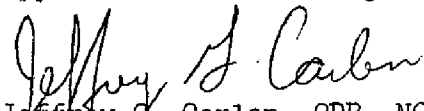
None

Submitted:

Bernard K. Place

Johnnie S. Place
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 Chief, Coastal Mapping Division

Sept. 24, 1973

GEOGRAPHIC NAMES

FINAL NAME SHEETS

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

T-12959

Bass Rock
Castle Neck
Fox Creek
Grape Island
Grape Island Creek
Great Neck
Gulf of Maine
Ipswich River
Ipswich Bay
Little Neck
Middle Ground
Neck Creek
North Ridge
Pine Creek
Plover Hill
Plum Island
Plum Island Sound
Steep Hill
Treadwell Island
Treadwell Island Creek

Prepared by:

C. E. Harrington
C. E. Harrington
Staff Geographer

T - 12959

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-12959

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB
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) XX	7. PHOTO HYDRO STATIONS XX	
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT BRIDGE (W.O.)	11. DETAIL POINTS KELSH
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES XX
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 CHB	22. PLANETABLE CONTOURS XX	
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES CHB
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS XX	30. OTHER CULTURAL FEATURES CHB
BOUNDARIES			
31. BOUNDARY LINES XX	32. PUBLIC LAND LINES XX		
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB	34. JUNCTIONS CHB	35. LEGIBILITY OF THE MANUSCRIPT CHB	
36. DISCREPANCY OVERLAY XX	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS CHB
40. REVIEWER Charles H. Bishop C.H. Bishop 2/23/67		SUPERVISOR REVIEW SECTION OR UNIT Albert C. Rauck, Jr. Albert 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.			
COMPILER B. Barge Rev. by: C. H. Bishop 9/25/68 9/27/68		SUPERVISOR Albert C. Rauck, Jr. Albert C. Rauck, Jr.	
43. REMARKS Field edit applied from: Two field edit ozalids Field photo. No. 65-s-7263(2 prints) Form 274			

T-12 959 20

FIELD EDIT REPORT
Project PH-6601
Cape Ann to Boston
T-12959, T-12960, T-12961

GENERAL NOTES

These three sheets was field edited during the period 17 April through 10 May 1967. Corrections and additions have been inked on the photographs in black, except (photo. pts., LDMKS, and fixed aids which are in red), and referenced on the discrepancy print in blue.

NAUTICAL LANDMARKS & FIXED AIDS

Three nautical landmarks and one aid are noted on the discrepancy print and referenced to photographs.

LANDMARK BUILDINGS

Five buildings on MHWL and one landmark building are recommended and referenced to photographs.

All public buildings are inked on photos. number 65-S-6994 and 6995.

BLUFFS

Bluffs of LDMK value are noted on the discrepancy print and referenced to photographs.

ROADS

Corrections and additions are noted on the discrepancy print and referenced to photographs.

PIERS

All piers in question and additions to same are noted on the discrepancy print and referenced to photographs.

MARINE RAILWAYS & BOAT RAMPS

All marine railways and boat ramps are inked on photographs and referenced on discrepancy print.

ROCKS

All rocks questioned on the discrepancy print were verified. Corrections and additions are noted on the discrepancy print and referenced to photographs.

Locations of rocks in three areas were determined by sextant fix.

Field Edit notations are inked on the following photographs: 65-S-6994, 6995, 7262 and 7263

Submitted by:
E.W. Hartford

24 May 1967

240

FIELD EDIT REPORT
Project PH-6601
Cape Ann to Boston
T-12959, T-12960, T-12961

GENERAL NOTES

These three sheets was field edited during the period 17 April through 10 May 1967. Corrections and additions have been inked on the photographs in black, except (photo. pts., LDMKS, and fixed aids which are in red), and referenced on the discrepancy print in blue.

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LANDMARK BUILDINGS

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MARINE RAILWAYS & BOAT RAMPS

All marine railways and boat ramps are inked on photographs and referenced on discrepancy print.

21

ROCKS

All rocks questioned on the discrepancy print were verified, Corrections and additions are noted on the discrepancy print and referenced to photographs.

Locations of rocks in three areas were determined by sextant fix.

Field Edit notations are inked on the following photographs: 65-S-6994, 6995, 7262 and 7263

Submitted by:
E.W. Hartford

24 May 1967

24
25

FIELD EDIT REPORT

PH-6601
Boston to Plum Island
T-12959 T-12975 T-12976 T-12978 T-12980

GENERAL NOTES

This report is submitted for four T-sheets, field edited May and June 1968 one sheet T-12980 was field edited June 1967 and is being returned.

Most discrepancies on sheet T-12978 are referenced to sheet T-12975 because of duplication. A few in the northwest corner of sheet T-12978 are noted directly on the sheet or referenced to photo 65-S-7315.

All notations on T-sheet and Photographs are made in violet ink. The notations were made either directly on the discrepancy sheet or referenced to photos.

51 METHODS

Field edit was accomplished by the following methods, by skiff and truck travel and by walking sections of the shoreline.

All rock and ledge areas were inspected at or near low-water. The rock and ledge heights were obtained by hand leveling from mean high-water or mean low-water lines, or by using hourly tide heights obtained from the ship Pierce.

All discrepancies on the field edit sheets have been verified directly on the sheets or referenced to a photograph.

Notations on photographs by sheet numbers are as follows.

T-12975	T-12976	T-12978	T-12959
65-S-7340	65-S-7324	65-S-7315	65-S-7263
7349	7325		
7351	7350		
	7351		
	7352		
	7353		

52 ADEQUACY OF COMPILATION

The compilation of MHWL and MLWL around ledge areas as a whole appeared to be good, several ledge areas were inspected at low water, these are noted on the discrepancy print and referenced to a photograph. Compilation of piers, streets, and buildings was found to be good.

54 RECOMMENDATIONS:

None

56 ROCKS

Very few rocks were verified directly on the field edit sheets. However areas of rocks in question and rocks recommended for charting are noted on the field edit sheet and referenced to

photos.

These are inked on the following photos.

T-12976	T-12975
65-S-7324	65-S-7340
7325	7351
7350	
7351	
7352	
7353	

NAUTICAL LANDMARKS AND FIXED AIDS

All nautical landmarks and fixed aids were inspected and submitted on form 567.

58 LANDMARK BUILDINGS AND BLUFFS

Three landmark buildings are recommended for deletion, one each on the following T-sheets, T-12975, T-12976, and T-12978. All landmark buildings recommended for charting are circled and labeled as such on the following photos.

65-S-7324, 7350, 7352

All bluffs were investigated off shore and bluffs recommended for charting are inked on the following photos.

65-S-7324 7350 7352

All Public Buildings are circled on the following photos,

65-S-7340 ~~7340~~ 7349 7352

59 STREETS

All street additions and classifications for T-sheets T-12975 and T-12976 are noted on the field edit sheet and referenced to the photos.

Submitted by

E. W. Hartford
E. W. Hartford

2 June 1968

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

November 3, 1967

Atlantic Marine Center

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

F. P. Margiotta

Alfred C. Holmes, Director, AMC

Chief of Party:

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-13 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.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

~~TO BE CHARTED~~
~~TO BE REVISED~~
~~TO BE DELETED~~

STRIKE OUT TWO

Nov. 3 1967

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

F.P. Margiotta

Alfred C. Holmes, Director, AMC

Chief of Party:

[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

USCOMM-DC 16234-P61

REVIEW REPORT T-12959

SHORELINE

January, 1974

61. GENERAL STATEMENT:

See summary which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

None available in this office at this time.

This survey supersedes any possible prior registered survey for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A general comparison was made with U.S.G.S. Quadrangle Ipswich, Mass., 1950 at 1:24,000 scale. The two surveys are only in general agreement. Although this Quad. was revised in 1950 the basic survey dates back to 1941-42. Many storms have altered the shorelines. Showing the differences on a discrepancy overlay will not serve any useful purpose; in the opinion of the reviewer.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

There are none in this area.

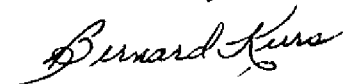
65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 213, August 21, 1971 at 1:24,000 scale. It is obvious from the comparison, that the shoreline of this survey has been incorporated on the nautical chart from the "Advance Manuscript".

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:


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

Reviewed by:




Bernard Kurs
Cartographer

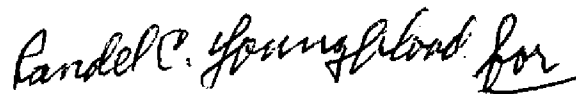
Approved for Forwarding:


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

Approved:


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

Approved:


Chief, Photogrammetric Branch . Chief, Coastal Mapping Division