FORM C&GS-504

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

DESCRIPTIVE REPORT

| Type of SurveyShoreline (Photogrammetric) Field No. Office No. T-12388 |
|---|
| LOCALITY |
| State Massachusetts |
| General locality Boston to Plum Island |
| Locality Chelsea |
| <u>196670</u> |
| CHIEF OF PARTY |
| Alfred C. Holmes, Director, AMC |
| LIBRARY & ARCHIVES |
| DATE |

| <u> </u> | DESCRIPTIVE REPO | ORT - DATA -12388 | RECORD | | |
|--|--|----------------------|---|----------------------|-------------|
| DJECT NO. (II): | | | | | |
| PH-6601 | | | | | |
| FIELD OFFICE (II): | - | | CHIEF OF PARTY | | |
| None | | | | | |
| PHOTOGRAMMETRIC OFFICE (III): | | | OFFICER-IN-CHARGE | | |
| Atlantic Marine Cente | r, Norfolk, VA | | Alfred C. Holmes, Director, AMC | | |
| INSTRUCTIONS DATED (II) (III): | | | | <u></u> | |
| Field - Aug. 4, 1965 Field - Aug. 19, 1965 Office - Oct. 8, 1965 Office - Jan. 27, 1966 Office - Feb. 2, 1966 Office - Apr. 28, 1966 Field - May 20, 1966 Office - July 11, 196 | Instructions, Ae 6 Instructions, Ae 6 Supplement I | rotriang | ulation | otography | |
| METHOD OF COMPILATION (III): | | | | | |
| Wild B-8 | | | | | |
| MANUSCRIPT SCALE (III): | | STEREOSCO | PIC PLOTTING INS | TRUMENT SCALE (| ш: |
| 1:10,000 | | 1:15,00 | 00 Pantographed to 1:10,000 | | |
| DATE RECEIVED IN WASHINGTON OF | FICE (IV): | | | L CHART BRANCH | |
| | ' | | | | |
| APPLIED TO CHART NO. | | DATE: | DATE REGISTERED (IV): | | D (IV): |
| | | | SEPT. 1975 | | 975 |
| GEOGRAPHIC DATUM (III): | | | VERTICAL DATUM (III): MHW | | |
| | | | Elevations shown as (25) refer to mean high water | | |
| NA 1927 | | į | Elevations shown as (5) refer to sounding datum | | |
| | | | i.e., mean low wat | er or mean lower low | water |
| | | | | | |
| REFERENCE STATION (III): | - 4 | | ,, <u></u> , | - | |
| Powderhorn 5 1957 | | | | | |
| LAT.: | LONG.: | | | | |
| X ADJUSTED | | X ADJUSTED | | | |
| PLANE COORDINATES (IV): | 72 01 10.100 | <u> </u> | STATE | ZON | lE |
| | | | - | -0.0 | |
| Y = | x = | | MASS | l I | Mainland |
| MAN NUMERALS INDICATE WHETHE OR (IV) WASHINGTON OFFICE. WHEN ENTERING NAMES OF PERSONN | | | | | OFFICE, |

DESCRIPTIVE REPORT - DATA RECORD

T-12388

| FIELD INSPECTION BY (II): | | DATE: |
|---|---------------------------------|-----------|
| None | | |
| MEAN HIGH WATER LOCATION (III) (STATE DATE | AND METHOD OF LOCATION): | |
| Air Photo Compilation Date of Photography: Augus | st 31, 1965 and August 24, 1965 | • |
| PROJECTION AND GRIDS RULED BY (IV): | | DATE |
| L.E. V an Scoy | | 9/12/67 |
| PROJECTION AND GRIDS CHECKED BY (IV): | | DATE |
| R. Glaser | | 9/13/67 |
| CONTROL PLOTTED BY (III): | | DATE |
| L.O. Neterer, Jr. | 10/4/67 | |
| CONTROL CHECKED BY (III): | | DATE |
| L.L. Graves | | 10/5/67 |
| | | |
| RADIAL PLOT OR STEREOSCOPIC CONTROL EXT | ENSION BY (III): | DATE |
| Henry P. Eichert | | 11/1/66 |
| STEREOSCOPIC INSTRUMENT COMPILATION (III): | PLANIMETRY | DATE |
| | L. O. Neterer, Jr. | 10/8/67 |
| Wild B-8 | CONTOURS | DATE |
| | Not Applicable | |
| MANUSCRIPT DELINEATED BY (III): | | DATE |
| L.L. Graves | Oct. 1967 | |
| SCRIBING BY (III): | | DATE |
| L. B. Foltz | | 12/72 |
| PHOTOGRAMMETRIC OFFICE REVIEW BY (III): | | DATE |
| Compilation R.E. Smith | | Nov. 1967 |
| REMARKS: | | |
| | | |

DESCRIPTIVE REPORT - DATA RECORD

T-12388

MERA (KIND OR SOURCE) (III):

Wild RC-8 "S"

| · | | PHOTOGRAPHS (III) | | |
|---------------|---------|-------------------|----------|---------------|
| NUMBER | DATE | TIME | SCALE | STAGE OF TIDE |
| *65S 6931 R | 8/24/65 | 08:45 | 1:30,000 | 9.2 above MLW |
| *65S (c) 7233 | 8/31/65 | 07:39 | 1:30,000 | 0.2 below MIW |
| 65S (c) 7228 | 8/31/65 | 07:36 | 1:30,000 | 0.2 below MLW |
| 65S 6924 R | 8/24/65 | 08:40 | 1:30,000 | 8.8 above MLW |
| • | | | | |
| | | | | |
| | | | | |
| | | TIDE (III) | | <u> </u> |

| | A November 19 to | | | |
|--|--|--|--|--|
| | | RATIO OF RANGES | MEAN RANGE | SPRING RANGE |
| reference station: Boston | | | 9.5 | 11.0 |
| BORDINATE STATION: Chelsea St. Bridge; Chelsea River | | | 9.6 | 11.1 |
| SUBORDINATE STATION: Lynn Harbor | | | 9/2 | 10.7 |
| WASHINGTON OFFICE REVIEW BY (IV): Bernard Kurs, AMC | | | | |
| PROOF EDIT BY (IV): | | | | |
| NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 9 RECOVERED: | | | | |
| NUMBER OF BM(S) SEARCHED FOR (II): RECOVERED: | | | D | |
| _ | Boston Chelsea St. Bridge; Lynn Harbor (IV): Bernard Kurs, AMC ATIONS SEARCHED FOR (III): 9 | Chelsea St. Bridge; Chelsea River Lynn Harbor (IV): Bernard Kurs, AMC ATIONS SEARCHED FOR (II): 9 RECOVERED: | Boston Chelsea St. Bridge; Chelsea River Lynn Harbor Mov. Date: Nov. Date: Atlons searched for (II): 9 PECOVERED: DENTIFIE | Boston Chelsea St. Bridge; Chelsea River Jynn Harbor Lynn Harbor PATE: Nov. 1973 DATE: ATIONS SEARCHED FOR (II): 9 PECOVERED: JOENTIFIED. |

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

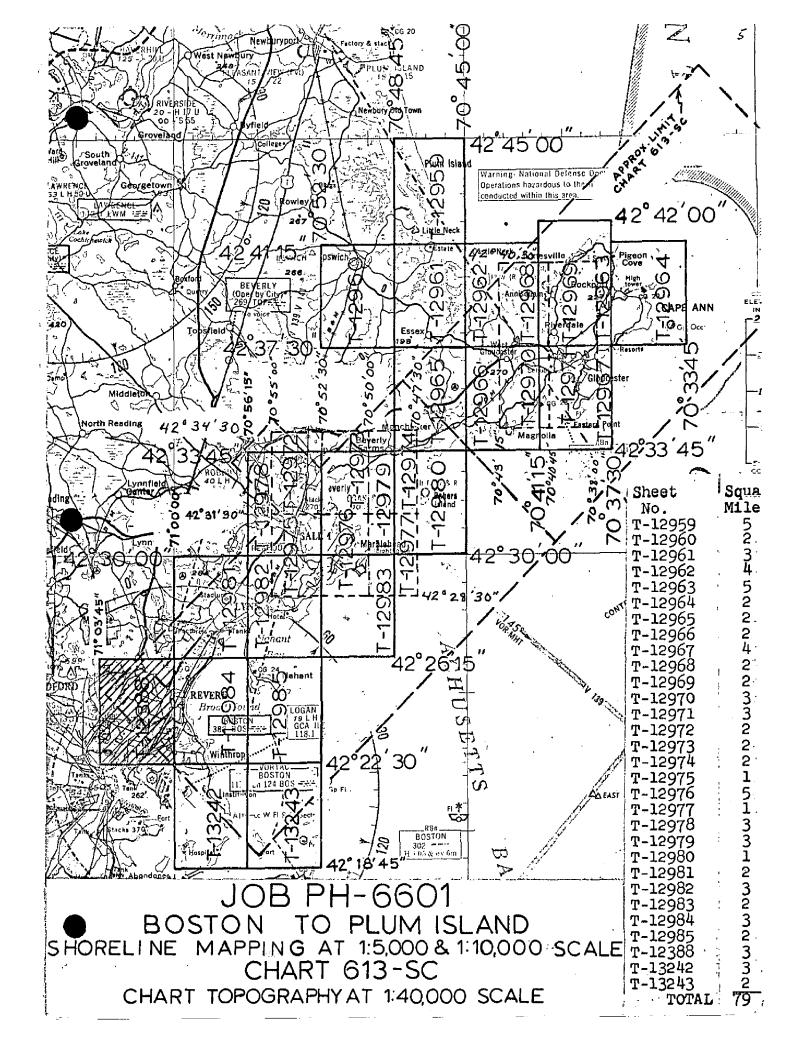
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

Photographs 65S 6931 R and 65S 7233; stage of tide are based on tide staff dates recorded on the respective dates of photography listed above.

T-12388

| COMPILATION RECORD | COMPLETION DATE | REMARKS |
|--|-------------------|------------|
| Compilation Complete Pending Field Edit | Nov. 1967 | Superseded |
| Field Edit Applied Compilation Complete | J uly 1972 | Superseded |
| Final Review | Nov. 1973 | |
| | | · |
| | | |



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-12388

There was no field inspection prior to compilation.

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

November 1, 1966

721. 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 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

IT To control (feet) STRIP. 1 MEAD 2 (MGS), 1934 torget (+0.1, +0.1) sub. pt. (-0.9 +1.7) target (-0.4, -0.2) PLUM ISLAND COAST GUARD CUPOLA 1943 torget (+0.5, +0.3) sub. pt. (-2.8, +4.5) turget (-0.2, -0.2) RM#1-(-0.2,+0.3) STRIP#2 5 STONEHAVEN (ROCKPORT TOWN (MGS)), 1939 torget (+1.2; -2.6) sub. pt. A (-0.7, -1.6) 54b. pl. B. (+1.3, -3.0) 1 MEAD 2 (MGS), 1834 target (0.0, +3.3) sub. pl. (+0.7) +3.6)

| | 4 | MANCHES | TPA - + 11 | | | 1040 |
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| | in and an in an array and a second a second and a second and a second and a second and a second | | | 5.0, +0.8 | | 8.7.6 |
| | | | • | 1.1. +3.1) | , | |
| | 8 | , , | • | NP POWER | . * | SIACK, 1954 |
| | | | | Sed (+4. | | |
| | | | • | | | |
| | 14 | HIGH ROC | K 2 (MO | 55) | | |
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| | /5 | HIGH ROC | × 3 , 19 | 43 | | |
| | 17 | REVERE | | CHURCH | | • |
| | | | | sed (-4.0 | | |
| | | 800TH (M | | and the second | | |
| | • | CHELSEA_ | QUIGLE | MEM. H | OSPITAL | W.T., 1958 |
| | 20. A | | 4 | ed (-1.5) | | TOWER 1958 |
| e de la compansión de l | | office | e identif | red (+2 | 1,-1.0) | |
| | ?/ | 1EDFORD | | N WNAC | | |
| | ************************************** | | | | | |
| | <u>.</u> - | | | | | |

| 22 MEDEORD RADIO STATION WEET NE TOWER 1958 |
|---|
| office identified (+1.4, +3.0) |
| 23 MEDFORD RADIO STRTION WEFT SW. TOWER, 1958 |
| office identified (+1.7, +3.1) |
| |
| STRIP #3 |
| 28 BOSTON STATE HOUSE, 1934 |
| office identified (+2.6, +5.5) |
| 27 BOSTON GUSTOM 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 (-41,-2.2) |
| 14 HIGH ROCK #2 |
| sub # pt. B (+29, +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) |
| | MARBLEHEAD, ABBOT TOWER, 1919 |
| | office identified (-0.6, +4.4) |
| 10 | MARBLEHEAD LIGHT HOUSE, 1914 |
| | office identified (+2.0, +5.1) |
| 7 | MANCHESTER CHURCH PARK SPIRE, 1818 |
| | target (-3.5, -5.8) |
| The second secon | sub pt A (-4.1, -5.2) |
| | MEAD 2 (MGS), 1934 |
| | |
| The second secon | target (+3.8, -0.7) |
| | sub.pl. (+6.2, -1.2) |
| | STONE HAVEN (ROCKPORT TOWN (MGS)), 1939 |
| • • • | target (-2.1, +0.3) |
| man analos de la companya del companya del companya de la companya | 546 pt A (-1.3, +1.6) |
| للم الم المستخدم ومسترانا | sub pt B (-2.0, +1.2) |
| | STRAITS MOUTH LIGHTHOUSE, 1902 |
| | office Identified (-3.1, -5.2) |
| The second secon | |
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| iii uusuura jäälkisissa muunin jareen ja een ee seen se L | |

STRIP # 4

| ₹ 7 | 24 DANVERS, COOKE & COEKE CO. CHIMNEY, 1919 |
|--------------|---|
| | HOME STA (-0.78 +0.79) |
| • • • | ss A (-0.01 -0.01) |
| | 55 "B" (-1.83 +1.74) |
| 3. 3 | 30 BEVERLY UNITED SHOE MFG. CO. STK., 1934 |
| | (-0.01 -0.01) |
| | 31 BEVERLY OOD FELLOWS CUPOLA, 1934 |
| 2 | (-1.29 +1.55) |
| | 32 BEVERLY ST. MARYS CHURCH SPIRE, 1934 |
| // | (-1.32 -1.09) |
| ¿ / | 33 BEVERLY IST BAPTIST CHURCH, 1914 |
| -1/-L | (+1:35 +1.10) |
| | TIE POINTS |
| · · · · | 12601 (-0.28 -6.78) |
| | 12602 (-3.79 -3.20) |
| | 13601 (-2.56 -3.47) |
| . :: <u></u> | 1460) (-3.15 -1.53) |
| | |
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| 164 | |
|----------------|-----------------------|
| C&G\$-164 | OMM-DC 18-P68 |
| FORM (4-68) | USCOMM-D 50318-P68 |

T CONTROL RECORD DESCRIPTIVE REP

DISTANCE FROM GRID OR PROJECTION LII IN METERS ($I\ Ft.=3048006\ meter$) 15 (927.9)(1660.0) (1748.6)(947.5)(1224.5)(922.4) (4553.5) (1542.7)(270.7)(1764.4)N.A. 1927 - DATUM 7/13/72 297.8 450.2 425.0 1101,5 444.7 308.6 191.3 147,2 FORWARD 102.7 086.9 SCALE FACTOR DATE LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE 1:10,000 L.L. Graves 00: 19,681" 42° 24° 03,327" 710 011 48,168" 420 231 02.815" 71° 00' 06.44" 420 231 09,65" 710 011 19,44" 42° 25° 06,20°° 420 231 10,00" 710 011 18,58" CHECKED BY SCALE OF MAP NA 1927 DATUM = = ÷ **₽**0′ : 9 PH-6601 9/13/72 SOURCE OF INFORMATION (INDEX) 876 Pg. 103 **6** 6 Н Н Н **=** Vol. Vol. Vol. Vol. Pg. B Pg. DATE E PROJECT NO. ć REVERE CATHOLIC CHURCH TOWER BOSTON, EAST BOSTON PUMPING STATION, SW CHIMNEY, 1919 BOSTON, EAST BOSTON FUMPING STATION, NE, CHIMNEY, 1919 5, 1957 STATION (HARBOR LINE PT) MAP T. 12388 POWDERHORN COMPUTED BY 1934

A.L. Shands

COMPILATION REPORT

.T-12388

31. DELINEATION

The B-8 was used to delineate the planimetry and alongshore areas. The shoreline was drawn by graphic method.

Photography was adequate.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was delineated from office interpretation of photographs taken at Mean High Water. Photographs taken at Mean Low Water was used to delineate alongshore detail.

36. OFFSHORE DETAIL

No statement.

37. LANDMARKS AND AIDS

Form 567 for landmarks was forwarded to the Rockville, MD Office on March 13, 1973.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

A satisfactory junction was made with T-12984 to the east. There is no contemporary to the south, west, or north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS Quadrangle BOSTON NORTH, MA., scale 1:24,000 dated 1956.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 240, scale 1:25,000, 8th Edition Aug. 15, 1960 revised Feb. 8, 1965 and Chart 246 scale 1:25,000, 30th Edition Feb. 28, 1966 and Chart 248-SC scale 1:10,000, 5th Edition, corr. thru Feb. 4, 1967.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

L. L. Graves

Cartographic Technician

Served Kins for

October, 1967

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

Sept. 24, 1973

GEOGRAPHIC NAMES

FINAL NAME SHEETS

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

T-12388

Boston and Maine (RR)

Boston Harbor

-- Brown Circle

Chelsea

Chelsea River

oreroed unver

Diamond Creek

Linden

Logan International Airport

MBTA

Mill Creek

Mill Hill

Orient Heights

Pines River

Revere

Sales Creek

Youngs Hill

C. E. Havun

C. E. Harrington Staff Geographer

19

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".

| FORM C&GS-1002 | | | U | J.S. DEPARTMENT OF COMMERCE E544 |
|--|--------------------------------------|----------------------------------|---|--|
| (3-33) | РНО | TOGRAMMET | RIC OFFICE REVIEW | COAST AND GEODETIC SURVEY |
| | | | 123883 | |
| 1. PROJECTION AND GRIDS | 2. TITLE | | 3. MANUSCRIPT NUMBERS | 4. MANUSCRIPT SIZE |
| | | | | |
| RES | R | ES | RES | RES |
| CONTROL STATIONS | | | | |
| 5. HORIZONTAL CONTROL ST. THIRD-ORDER OR HIGHER A | ATIONS OF CCURACY | 6. RECOVERAL | BLE HORIZONTAL STATIONS IAN THIRD-ORDER ACCURACY | 7. PHOTO HYDRO STATIONS |
| RES | | (Topographic | c stations) XX | XX |
| 8. BENCH MARKS | 9. PLOTTING | F SEXTANT | 10. PHOTOGRAMMETRIC | 11. DETAIL POINTS |
| | FIXES | | PLOT REPORT | |
| | | | | |
| ALONGSHORE AREAS (Nautical | Chert Data) | | | |
| 12. SHORELINE | 13. LOW-WATER | RLINE | 14. ROCKS, SHOALS, ETC. | 15. BRIDGES |
| . סודמי | 101 | ES | RES | RES |
| RES | 1 | | | |
| 16. AIDS TO NAVIGATION | 17. LANDMARK | .5 | 18, OTHER ALONGSHORE PHYSICAL FEATURES | 19. OTHER ALONGSHORE CULTURAL FEATURES |
| RES | \ x: | X | RES | RES |
| | L | | <u> </u> | |
| PHYSICAL FEATURES 20. WATER FEATURES | | 21. NATURAL | GROUND COVER | 22. PLANETABLE CONTOURS |
| | | | | |
| RES | | | χх | NA |
| 23. STEREOSCOPIC | 24. CONTOURS | IN GENERAL | 25. SPOT ELEVATIONS | 26. OTHER PHYSICAL FEATURES |
| | N. | ٨ | χχ | XX |
| NA NA | 10. | m | 767 | |
| CULTURAL FEATURES | 1 20 000 000 | | 1 20 0 444 0 2 4 2 5 | 120 |
| 27. roads RES | 28. BUILDINGS | ES | 29. RAILROADS RES | -30. OTHER CULTURAL FEATURED |
| | | | | RES |
| BOUNDARIES | <u> </u> | - | <u> </u> | |
| 31. BOUNDARY LINES | | | 32, PUBLIC LAND LINES NA | |
| NA | | | NA | |
| MISCELLANEOUS | | | | |
| 33. GEOGRAPHIC NAMES | | 34. JUNCTION | S | 35. LEGIBILITY OF THE MANUSCRIPT |
| RES | | | RES | RES |
| 36. DISCREPANCY OVERLAY | 37. DESCRIPTI | VE BERORT | 38, FIELD INSPECTION | 39. FORMS |
| THE BUSINESS AND STREET | | - | PHOTOGRAPHS | ļ |
| RES | R | ES | · XX | RES |
| 40. REVIEWER | 60 | Ear | SUPERVISOR PRIEW SECTION | ON OF UNIT |
| | woR. y. | 707. | A.C. Rauck, Jr. | ranor. y. |
| R. E. Smith | / NOV. | 1967 | I A.C. Rauck, UI. | · |
| 41. REMARKS (See attached she | et) | | | |
| FIELD COMPLETION ADDITION | NS AND CORREC | TIONS TO THE | MANUSCRIPT | |
| 42. Additions and correction script is now complete ex | s fumished by th cept as noted un | ie field complei der item 43. | tion survey have been applied | to the manuscript. The manu- |
| COMPILER | T- 7- | . 10 . 1070 | SUPERVISOR | 7 / 0 |
| A. L. Shands | July | 19, 19/2 | albut C. Al | auch. Is |
| | Graves Ju | шу 24 ,1 9/ | 40000-01 - 710 | |
| 43. REMARKS | | | , | |
| Field Edit Appli | ed From: | Paper and | conaflex ozalids | of T-12388, field |
| 1 TOTA MATE WASTE | | photos 65 | i S (c)-7233, 70 ы (| (c)-3959, 70 L (c)- |
| ļ | | 3979 - F o | rms 526 and 567. | |

FIELD EDIT REPORT JOB PH-6601 Map T-12388 Massachusetts

This map was field-edited during the month of August 1970. The map was compiled without field inspection prior to complation, therefore, a complete and through field edit was done. All field notes were made in violet ink on the ratio prints and referenced from the field edit sheet.

51 METHODS

Field edit of this map area was accomplished by the following methods, by truck and skiff travel and by walking a few sections of the shoreline.

52 ADEQUACY OF COMPILATION

The adequacy of the compilation was good. A few distances were measured from photographic points to the high water line and all checked good, also a visual inspection of the low water line was made at several points and found to be adequate.

54 RECOMMENDATIONS

None

56 LANDMARKS AND AIDS

Form 567 were submitted with sheets T-12984 and T- 13242 Sept. 1. 1970 for all nautical landmarks within the limits of this map, there are no fixed aids located in this map area.

57 ROCKS

There are very few rocks within the limits of this map, these are logated in the Chelsea River, these rocks are noted on the field edit sheet and referenced to a photograph.

58 MICELLANEOUS

Form 526 copies are submitted for all nautical landmarks which have triangulation positions and for the ground stations recovered in connection with phote-hydro support.

Corrections and additions for landmarks buildings are noted on

the field edit sheet and referenced to a photograph.

Field edit additions and corrections are shown on ratio prints 65-S-7233 70-L-3959 and 70-L-3979 (the later being sent in with sheets T-12984 and T-13242.

> Surveying Technicián Sept. 30 1970

SUBMITTED BY:

EERVICES ADMINISTRATION U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCY CERVICES ADMINICOLOGY AND GENERAL SURVEY

MENNEMBER TIME CANDES LANDMARKS FOR CHARTS

| ٠ | 76 | 4 | 2 |
|---|---------------------------------|---|--|
| | July 13 | | -landmarks |
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| | | | thei |
| | ir. | • | determine |
| | ente | | d to |
| | the C | | Seawar |
| | C Mai | | from |
| | Atlantic Marine Center | | inspected |
| | <i>'</i> . | | been |
| | | | I recommend that the following objects which have RECONSTRATE been inspected from seaward to determine their value as landmarks be |
| | | | have |
| | | | which |
| ı | | | objects |
| | STRIKE OUT TWO | | wing |
| | E out | | follo |
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<u>.`1972</u>

The positions given have been checked after listing by charted on (MOSEACHWAIX the charts indicated.

Alfred C. Holmes, AMC 返す物 Director,

SPECTOCOUNT.

246,613 St 248,248 St CHARTS = DFFEHORE CKART INCHORE CHARE × HAND SOBRAN 6-19-70 OCH CATON Verif = = = METHOD OF. LOCATION AND BURVEY No. T-12388 T-12388 Photo = Tri DATUM 4 NA 1927 = = D. P. METERS 507 46.97 $\frac{874}{8.58}$ 125.0 22,16 7 7 7 19.44 LONGITUDE . POSITION ΟŢ 71 01, æ D.M. METERS 59.83 22.65 9 65 297.8 Ç 1846 LATITUDE# 669 23 23 • 42 45 77 BIGNAL Round, yellow brick, ht = 131(136) (Boston, East Boston Pumping (Boston, East Boston Pumping 1919) (133) Square flat top red brick, ht = 135 (245) Red brick ht = 125 (130) Station, N.E. Chimney, Station, SW Chimney Red brick ht = 125 (DESCRIPTION Massachusetts CHARTING CHIMMEY CHEMBEY STACK TOWER STATE

USCOMM-DC 36485 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 chatted The data should be landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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

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REVIEW REPORT T-12388

SHORELINE

November, 1973

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 the present time.

This survey supersedes any prior survey and should be used for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. Quadrangle Boston North, MA, dated 1956, and at 1:24,000 scale. There is very good general agreement with only minor differences in shoreline accounted for by man and natural changes.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with boat sheet H-9134, 1970 at 1:10,000 scale. It covered only that section of navigable water at Logan International Airport. There are no other contemporary hydro surveys covering this sheet. Boat sheet H-9134 was in excellent agreement.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 248, March 25, 1972 at 1:10,000. There is very good agreement with only very minor changes in shoreline due to natural and man-made changes.

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

Genard Luco

Victor E. Serena Chief, Photogrammetric Branch, AMC

Approved:

faceled C. Journal South Chief, Photogrammetric Branch For: Chief, Coastal Mapping Division