

T-13242

T-13242

FORM C&GS-504

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

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric)Field No. Office No. T-13242

LOCALITY

State MassachusettsGeneral locality Boston to Plum IslandLocality Deer Island1966-70

CHIEF OF PARTY

Alfred C. Holmes, Director, AMC

LIBRARY & ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

T -13242

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 - April 28, 1966
Field - May 20, 1966 Supplement I
Office - July 11, 1966 - Supplement I

METHOD OF COMPILATION (III):

Wild B-8 & 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):

MLW

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

REFERENCE STATION (III):

Winthrop Head Standpipe 1915

LAT.:

42° 21' 01.827"

LONG.:

70° 58' 05.557"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y 798,858.80 Ft.

X = 743,714.10 Ft.

Massachusetts

Mainland

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-13242

FIELD INSPECTION BY (II):		DATE:
None		
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
Air Photo Compilation Date of Photography April 26, 1966		
PROJECTION AND GRIDS RULED BY (IV):		DATE
L. F. Van Scoy		9/14/67
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
R. Glaser		9/14/67
CONTROL PLOTTED BY (III):		DATE
Lowell O. Neterer, Jr.		10/9/67
CONTROL CHECKED BY (III):		DATE
L.L. Graves		10/10/67
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
H.P. Eichert		11/1/66
STEREOSCOPIC INSTRUMENT COMPILATION (III): Wild B-8	PLANIMETRY Lowell O. Neterer, Jr.	DATE 10/12/67
	CONTOURS N.A.	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
Lowell O. Neterer, Jr.		10/20/67
SCRIBING BY (III):		DATE
S. Kumer		10/22/72
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
R.J. Pate		
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

T-132442



CAMERA (KIND OR SOURCE) (III):

Wild RC 8 "L"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
66-L-(c)-2915 thru 2917	26 Apr. 1966	11:05	1:30,000	1.7 ft. above MLW
66-L-(c)-2931	26 Apr. 1966	11:20	1:30,000	2.1 ft. above MLW

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Boston		9.5	11.0
SUBORDINATE STATION: Deer Island (South End)		9.3	10.8
SUBORDINATE STATION:			

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

DATE: Sept. 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

RECOVERED:

14

IDENTIFIED:

None

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

RECOVERED:

0

IDENTIFIED:

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

0

REMARKS:

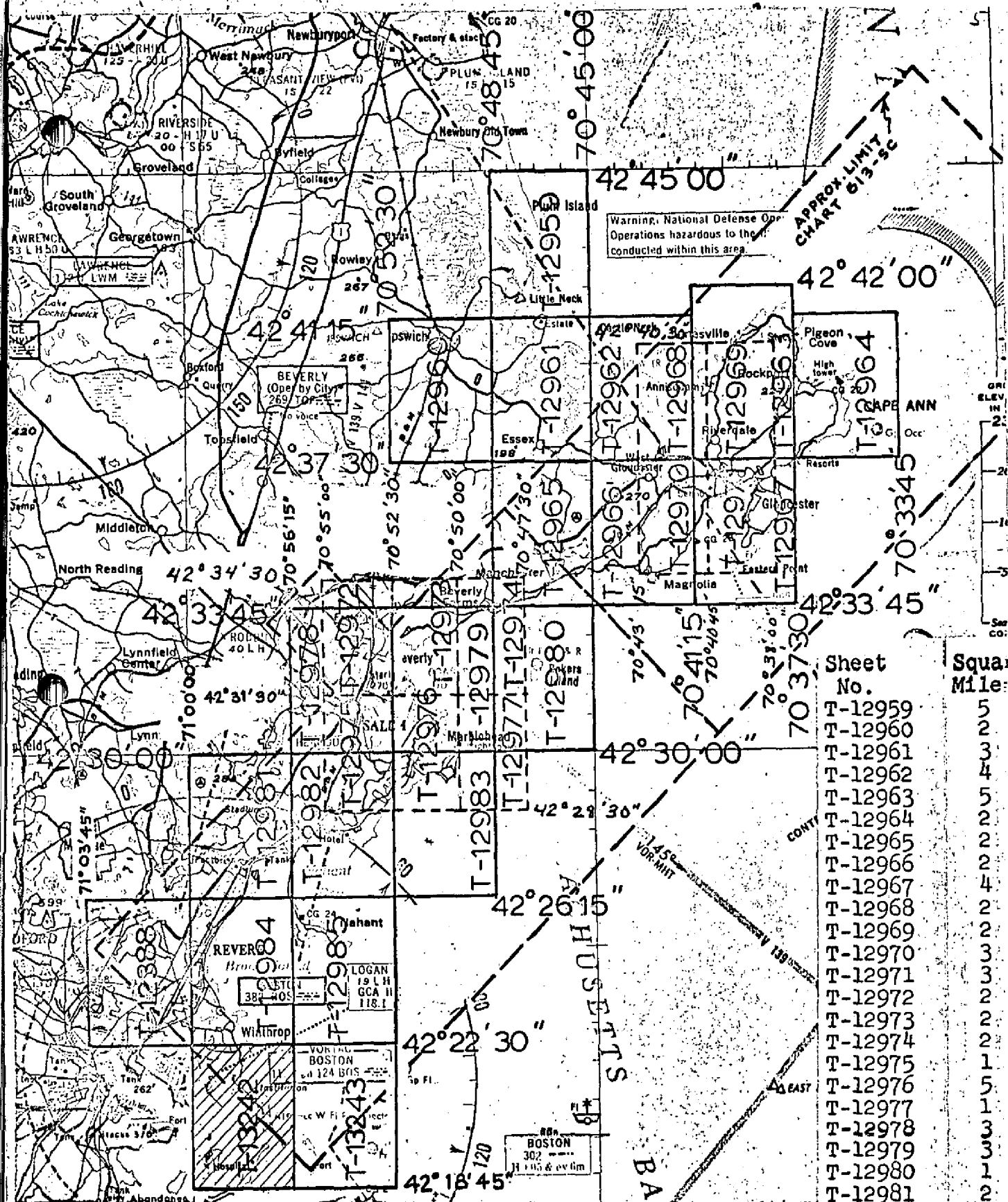
T-13242

COMPILATION RECORD

COMPLETION DATE

REMARKS

Shoreline area for hydro	Oct. 1967	Superseded
Field edit applied, manuscript complete except to the south of lat. 42°20'15" which has	June 1972	
been field edited.		
Final Review	Sept. 1973	



APPROX. LIMIT
CHART 613-SC

Warning, National Defense Operations hazardous to the conducted within this area

Sheet No.

Square 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

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-132412

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.

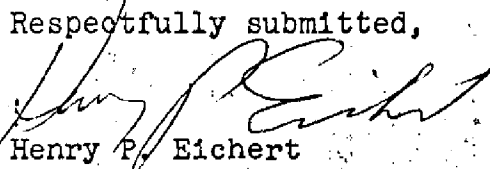
24. Supplemental Data

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

6556965R

STRIP 1

T-12959

T-12963

65567209

T-12962

65567252

42° 37' 30"

T-12960

T-12961

T-12965

T-12964

70° 52' 30"

STRIP 2

6556954R

T-12966

T-12967

T-12978

T-12979

T-12974

STRIP 3

STRIP 4
6556
T312

STRIP 7
6556
T316

T-12975

T-12976

T-12977

T-12980

T-12981

T-12982

T-12983

AEROTRIANGULATION SKETCH

BOSTON TO PLUM ISLAND

PH-6601

May, 1966

△ control used in adjustment

△ control used as check

19

20

17

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

10

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

~~med~~ 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

23 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 CUPOLA, 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 $(-3.1, -5.2)$

13
STRIP # 9

29 DANVERS, COOKE & KRAUSE
~~COOKE~~ 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)



DESCRIPTIVE REPORT CONTROL RECORD

MAP T-13242 PROJECT NO. PH-6601 SCALE OF MAP 1:10,000 SCALE FACTOR None

[illegible]

COMPUTED BY

J. Minton

DATE _____

9/11/67

CHECKED BY

L.L. Graves

DATE _____

9/14/67



DESCRIPTIVE REPORT CONTROL RECORD

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



MAP T- 13242

PROJECT NO.

PH-6601

1:10,000

SCALE FACTOR

None

[illegible]

COMPUTED BY

J. Minton

DATE _____

9/11/67

CHECKED BY

L.L. Graves

DATE _____

9/14/67



DESCRIPTIVE REPORT CONTROL RECORD

SCALE FACTOR

None

[illegible]

COMPUTED BY

L.O. Neterer, Jr.

10/10/67

CHECKED BY

L.L. Graves

10/10/67

18

COMPILATION REPORT

T-13242

31. DELINEATION

The B-8 was used to compile the detail from the color diapositives.

32. CONTROL

Identifiable control was used. The color diapositives overlapped sufficiently into the bridged area to the north to allow an adequate tie.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE & ALONGSHORE DETAILS

Low water lines were determined by office interpretation of photographs taken at near mean low water.

36. OFFSHORE DETAIL

To be determined by Hydrographer.

37. LANDMARKS AND AIDS

Forms 567 listing three nonfloating aids and three landmarks have been submitted, dated -- March 13, 1973.

38. CONTROL FOR FUTURE SURVEYS

39. JUNCTIONS

Junctions with T-12984 to the north and T-13243 to the east are in agreement. There is no contemporary survey to the west and the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS Quadrangle HULL, MA 1:24,000 scale revised 1958.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with Chart 246 Scale 1:25,000, 30th Edition dated Feb. 28, 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

Lowell O. Neterer, Jr.
L. O. Neterer, Jr.
Cartographic Technician

Approved:

Albert C. Rauck, Jr.
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-13242

Boston Harbor
Broad Sound
Chelsea Point
Cottage Park
Court Park
Crystal Cove
Deer Island
Gallops Island
Lewis Lake
Logan International Airport
Long Island
Long Island Head
Nixes Mate
Nubble Channel
Point Shirley
President Roads
Snake Island
The Basin
Winthrop
Winthrop Beach
Winthrop Head

Prepared by:

C. E. Harrington

C. E. Harrington
Staff Geographer

T - 13242

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. 13242

1. PROJECTION AND GRIDS RJP	2. TITLE RJP	3. MANUSCRIPT NUMBERS RJP	4. MANUSCRIPT SIZE RJP
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RJP	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) RJP	7. PHOTO HYDRO STATIONS XX	
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT Wash. Office	11. DETAIL POINTS RJP
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE RJP	13. LOW-WATER LINE RJP	14. ROCKS, SHOALS, ETC. RJP	15. BRIDGES XX
16. AIDS TO NAVIGATION RJP	17. LANDMARKS RJP	18. OTHER ALONGSHORE PHYSICAL FEATURES RJP	19. OTHER ALONGSHORE CULTURAL FEATURES RJP
PHYSICAL FEATURES			
20. WATER FEATURES RJP	21. NATURAL GROUND COVER RJP	22. PLANETABLE CONTOURS XX	
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES RJP
CULTURAL FEATURES			
27. ROADS RJP	28. BUILDINGS RJP	29. RAILROADS XX	30. OTHER CULTURAL FEATURES RJP
BOUNDARIES			
31. BOUNDARY LINES XX	32. PUBLIC LAND LINES XX		
MISCELLANEOUS			
33. GEOGRAPHIC NAMES RJP	34. JUNCTIONS RJP	35. LEGIBILITY OF THE MANUSCRIPT RJP	
36. DISCREPANCY OVERLAY RJP	37. DESCRIPTIVE REPORT RJP	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS RJP
40. REVIEWER R. J. Pate		SUPERVISOR, REVIEW SECTION OR UNIT 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 L.L. Graves		SUPERVISOR Albert C. Rauck, Jr.	
Reviewed by: A.L. Shands July 11, 1972			
43. REMARKS Field edit applied from: Field edit ozalid and cronaflex sheet B, T-13242 Photographs 66-L-(c)-2915 thru 2917 and 70-L-(c)-3979 3 Forms 567 Landmarks and Aids 17 forms 526			

23

FIELD EDIT REPORT
JOB PH-6601
MAP T-13242
MASSACHUSETTS

This map was field-edited during August 1970. The map was compiled without field inspection prior to compilation, therefore, a complete and thorough field edit was done. All field notes were inked with violet ink on the ratio print and referenced from the field edit sheet.

52. ADEQUACY OF COMPILATION

The compilation was found to be adequate. Measurements at different areas were made from photographic points to the high water line, these agree with the compilers interpretation. These areas are noted on the photographs and referenced from the field edit ozalid.

54. RECOMMENDATIONS

None.

56. LANDMARKS AND AIDS

Form 567 is submitted for all nautical landmarks and fixed aids to navigation within the limits of this sheet.

57. ROCKS AND ROCKLEDGES

All rocks were investigated at low-water.

Several rocks in the area of Great Faun Beacon were located by sextant fixes, they are shown on the cronaflex along with the angles. All other rocks in question and additions are shown on the photographs and referenced from the field edit ozalid.

58. MISCELLANEOUS

Recovery notes were submitted for all nautical landmarks and aids which have triangulation positions and for ground stations recovered in connection with photo-hydro support.

A few streets in the area of Point Shirley are noted on the photograph and referenced from the field edit ozalid.

All field edit corrections and additions for this map are shown on the following photographs 66-L-2915, 66-L-2917 and 70-L-3979.

Submitted by
Erwest W. Hartford
Surveying Technician
August 31, 1970



NOTES ON THE CONTRIBUTORS' LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE RECORDED~~
~~TO BE DELETED~~

STRIKE OUT TWO

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

The positions given have been checked after listing by

L. L. Graves

~~Alfred C. Holmes, RADM, NOAA~~
~~Director, AMC~~ *Chief of Staff*

~~Chief of Base~~

[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.

* TABULATE SECONDS AND METERS

REVIEW REPORT T-13242

SHORELINE

SEPTEMBER, 1973

61. GENERAL

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

None available in this office at this time.

T-13242 supersedes any previous chart that may exist and should be used for chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. Quadrangle Hull, MA, 1958 at 1:24,000 scale. The general agreement was very good with the exception of some rocks and landfill shoreline. See discrepancy print for differences indicated in brown.

64. COMAPRISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with Chart 248 at 1:10,000 scale, dated March 25, 1972. The shoreline is in good agreement except for ^{shoreline} the Snake Island which has changed considerably. See differences indicated in red on the discrepancy overlay.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

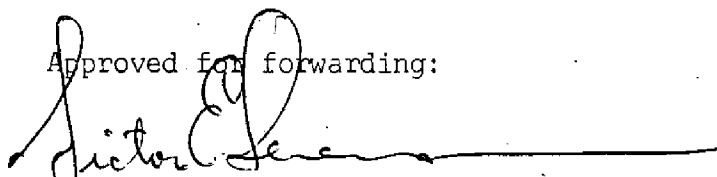
This survey complies with instructions and meets the National Standards of Map Accuracy.

Reviewed by:

Bernard Kurs

Bernard Kurs
Cartographer

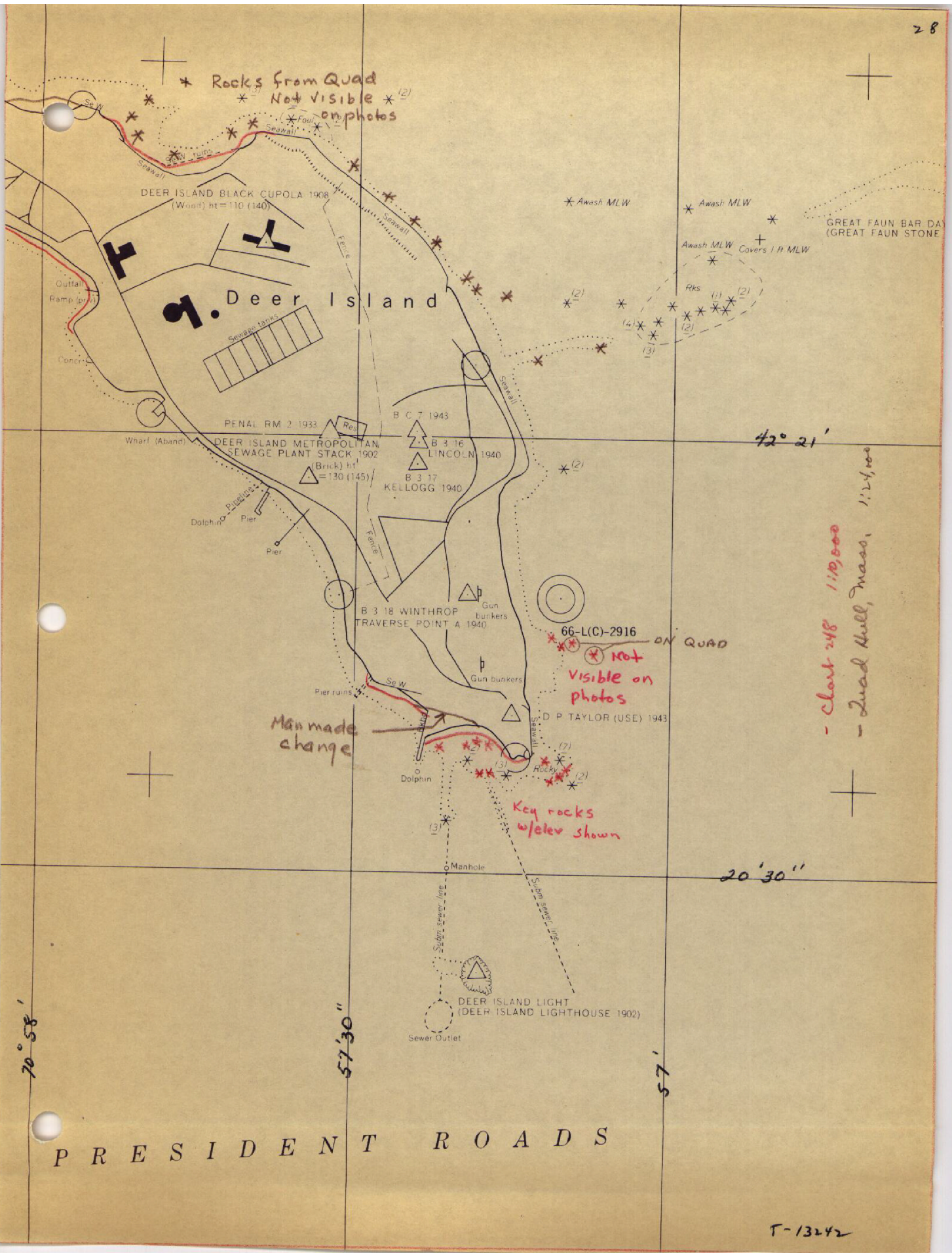
Approved for forwarding:

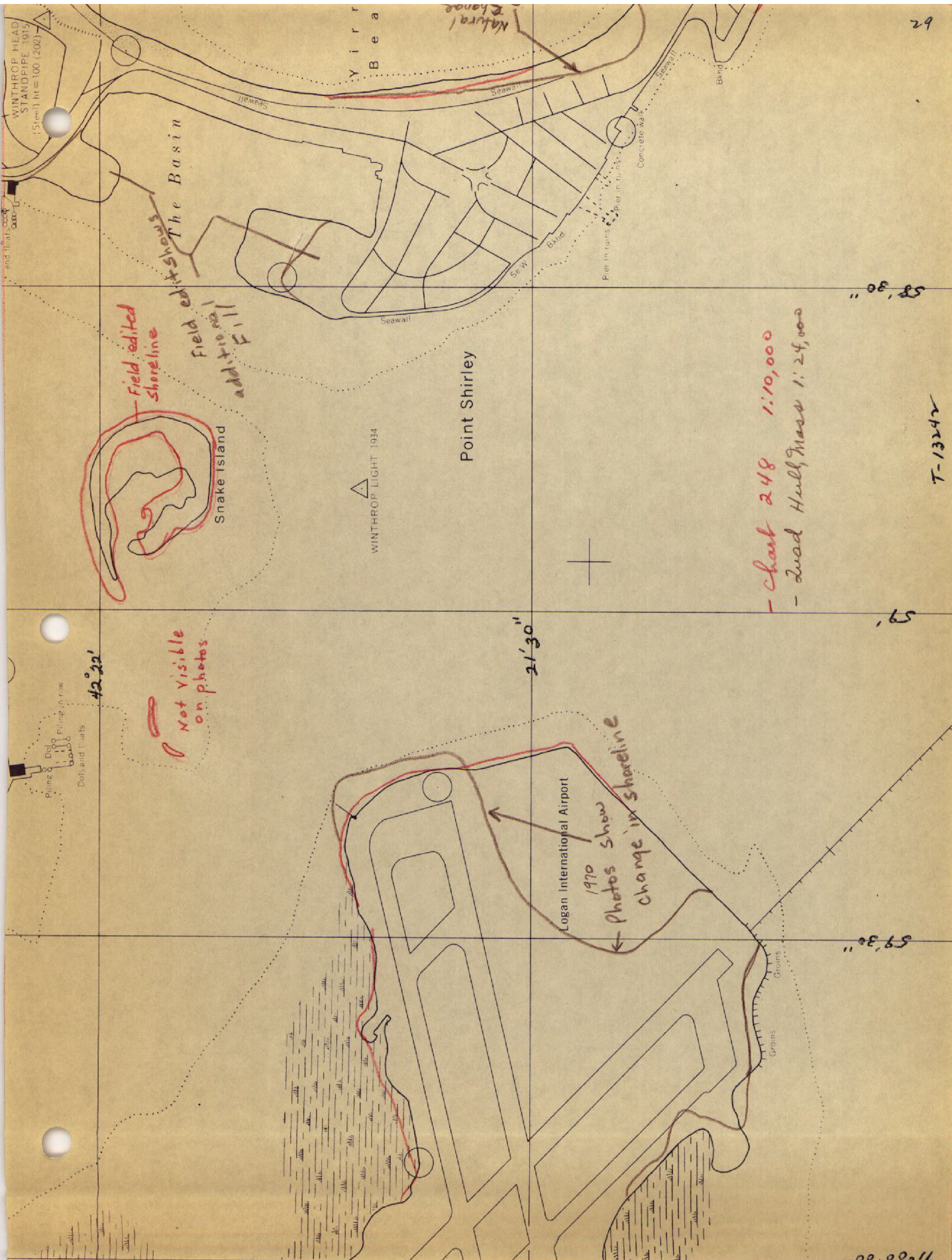


Victor E. Serena
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch *for* *Randall C. Youngblood* Chief, Coastal Mapping Division





29

59°30"

- chart 248 1:10,000
- Quad Hull Mass 1:24,000

T-13242

59°30"

21°30"

59°30"

71°00'00"

42°22'

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. 1-51661

T-shirt T-13242

• 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 Review.

[illegible]