

10485

Original

Diag. Cht. No. 1210-2.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No. Ph-163	Office No. T-10485
LOCALITY	
State	Massachusetts
General locality	Narragansett Bay
Locality	Fall River (North)
19 56	
CHIEF OF PARTY	
Ira R. Rubottom, Chief of Party	
W. E. Randall, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	February 1968

USCOMM-DC 5087

10485

DESCRIPTIVE REPORT - DATA RECORD

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T- 10485

Project No. (II): **Ph-163**  
**25120/**

Quadrangle Name (IV):

Field Office (II): **East Providence, R. I.**

Chief of Party: **Ira E. Rubottom**

Photogrammetric Office (III): **Baltimore, Maryland**

Officer-in-Charge: **William E. Randall**

Instructions dated (II) (III):

(II) **9 April 1956**  
**13 March 1957**

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): **Kelsh Plotter**

Manuscript Scale (III): **1:10,000**

Stereoscopic Plotting Instrument Scale (III): **1:6,000**  
(Pantograph Ratio 3/5)

Scale Factor (III): **1.000**

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N.A. 1927**

Vertical Datum (III): **MHW**

~~Mean Sea Level~~

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): **SHELL (MGS) 1934**

Lat.: **41° 43' 53.875" (1662.2 m)** Long.: **71° 08' 33.484" (773.9 m)**

Adjusted  
~~Unadjusted~~

Plane Coordinates (IV):

State: **Mass.**

Zone:

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,  
or (IV) Washington Office.

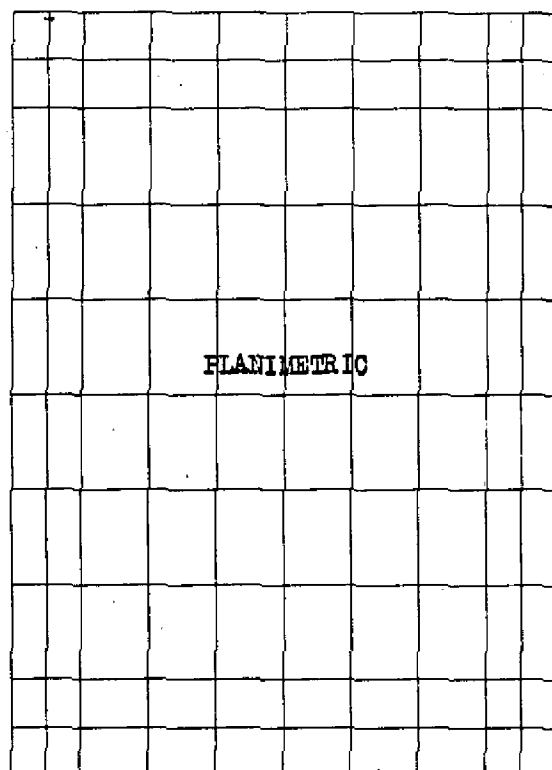
When entering names of personnel on this record give the surname and initials, not initials only.

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

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71° 11.25'



41° 45.0'

41° 41.25'

71° 07.5'

Areas contoured by various personnel  
(Show name within area)  
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

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Field Inspection by (II): Mathew A. Stewart  
Martin C. Moody

Date: May - October 1956

Planetable contouring by (II):

Date:

Completion Surveys by (II): Map was not field edited

Date:

Mean High Water Location (III) (State date and method of location):  
1956 (Photogrammetric - Kelsh Plotter)

Projection and Grids ruled by (IV): J. B. Phillips

Date: 3/28/57

Projection and Grids checked by (IV): H. D. Wolfe

Date: 3/29/57

Control plotted by (III): A. K. Heywood  
J. C. Richter

Date: 4/8/57  
8/6/57

Control checked by (III): J. C. Cregan

Date: 8/20/57

~~Stereoscopic~~ Stereoscopic E. L. Rolle  
Control extension by (III):

Date: 3/3/58

Planimetry J. D. McEvoy  
Stereoscopic Instrument compilation (III):

Date: 4/3/59

~~CONTROL~~

Date:

Manuscript ~~checked by~~ (III):  
Scribed by C. A. Lipscomb

Date: 12/7/60

Photogrammetric Office Review by (III): E. L. Rolle

Date: 10/18/60

Elevations on Manuscript  
checked by (II) (III):

Date:



# DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

Camera (kind or source) (III): C&GS Type "W" 6" focal length

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Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
		Time (E.S.T.)			
56-W-276 thru 278	5/1/56	10:01		1:30,000	2.7' above MLW

Tide (III)  
(From predicted tables)

Reference Station: Newport, R. I.  
Subordinate Station: Fall River, Mass.  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	3.5	4.4

Washington Office Review by (IV): S.G. BLANKENBAKER

Date: DEC. 1967

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 11 sq. mi.  
Shoreline (More than 200 meters to opposite shore) (III): 12 statute mi.  
Shoreline (Less than 200 meters to opposite shore) (III): -  
Control Leveling - Miles (II):  
Number of Triangulation Stations searched for (II): 42 Recovered: 21 Identified: 7  
Number of BMs searched for (II): 3 Recovered: 3 Identified: 1  
Number of Recoverable Photo Stations established (III): None  
Number of Temporary Photo Hydro Stations established (III): None

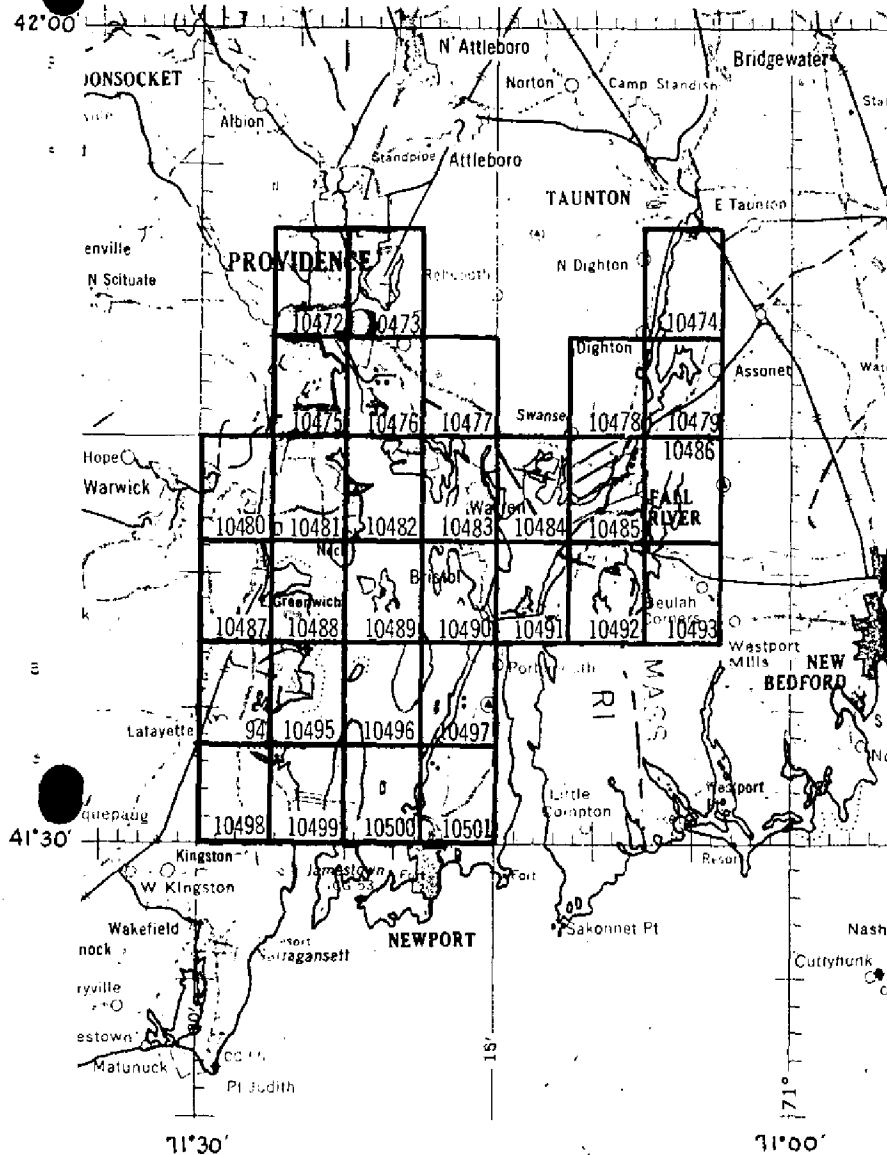
Remarks:

All bench marks searched for are Tidal Bench Marks.

# PLANIMETRIC MAPPING PROJECT PH - 163

Narragansett Bay, Mass. - Rhode Island

6



OFFICIAL MILEAGE FOR COST ACCO

SHEET NO.	Lin. Mi. SHORELINE	ARE SQ.
10472	10	12
10473	7	12
10474	- 0 -	12
10475	8	10
10476	6	12
10477	2	12
10478	1	12
10479	7	12
10480	2	12
10481	4	12
10482	8	12
10483	6	12
10484	8	12
10485	8	10
10486	7	10
10487	3	12
10488	6	12
10489	7	12
10490	8	12
10491	8	12
10492	12	12
10493	3	12
10494	5	12
10495	5	12
10496	5	12
10497	5	12
10498	- 0 -	12
10499	10	12
10500	6	12
10501	2	12

TOTALS 158 29

## SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

T-10485

T-10485 is one of 30 planimetric maps comprising Project PH-163. Project maps cover the Narragansett Bay, Rhode Island, Massachusetts, area.

Field inspection preceded compilation. This map was not field edited.

The project area was bridged by multiplex and compiled by a Kelsh Plotter.

The addendum to this Summary includes a discussion of project map accuracy and adequacy.

A cronaflex copy of the map will be registered.



8

ADDENDUM TO SUMMARIES TO ACCOMPANY  
JOB PH-163 MAPS T-10472 through T-10501  
(ACCURACY AND FUTURE SURVEYS)

Most of the project maps were used in contemporary hydrographic survey operations. Four hydrographic surveys accomplished in the period of time between 1943 and 1955 cover the project area outside the areas of contemporary surveys.

The contemporary hydrographic surveys have been registered. With one exception they are classified "basic". Survey H-8367 is classified as "basic for charting only".

Considerable difficulty was experienced during smooth plotting and verification of some hydrographic surveys in using signals located by plane table methods. Many of the objects were identified on field photographs by the plane table party. Field identification of these objects was re-examined in the Baltimore Office, Compilation Unit. Some of the objects were relocated photogrammetrically and this revised information was furnished for use in smooth plotting.

The Norfolk Processing Office Addendum to Accompany Survey H-8316 mentions difficulties experienced when plotting sextant angles locating piles, piers, shoreline changes, etc. -- they were seldom in agreement with photogrammetric manuscript positions. The Washington office verifier was unable to adjust the subject information using the available hydrographic data. To assist in resolving the discrepancies, the Photogrammetry Division (Washington Office Review Group) rechecked signal locations on Maps T-10472, T-10473, T-10475 and T-10476. Fifty-seven signal locations and random portions of shoreline were revised by graphic methods using available field photographs that included field identified primary control and signals. This additional work is subject to error due to the condition of the photographs and the more limited use of project control; many discrepancies between the surveys, however, were resolved by using the revised information. No requests for similar rechecks were made by verifiers of other hydrographic surveys.

In part, the problems encountered in survey H-8316 (and H-8394) during hydrography and by verifiers can be attributed to the enlargement of these photogrammetric maps from 1:10,000 to 1:5,000 scale for use in hydro support. Similar problems on



other hydrographic surveys were attributed, in part, to incorrect transfer of signals, substandard plotting and use of weak sextant fixes.

Control for project bridging (multiplex) was classified "over abundant" (150 stations). While 25% of the stations were "difficult to see", only two stations were not held. Pass points between strips were averaged-adjustment less than 0.5 mm.

In addition to the previously mentioned supplemental work (relocation of signals and shoreline), two stereoplanigraph models were set to test horizontal map accuracy. The models covered parts of maps T-10472 and T-10473. A datum difference was found to exist between Bureau control and MGS and USGS control. Adjustment of these difference produced no appreciable shift in map details.

Rock information mapped on some of the photogrammetric surveys was incomplete as the result of poor photography inadequately supplemented by field inspection. The hydrographer located many rocks missed on the photogrammetric survey; and, in addition, the hydrographic survey reviewers found it necessary to bring forward considerable rock information without the benefit of verification by either the photogrammetric surveys or the contemporary hydrographic surveys.

These surveys have been used, in part, for nautical charting through both direct application of details and indirectly through contemporary hydrographic surveys. As previously mentioned, all but one of the contemporary hydrographic surveys have been registered as "basic surveys". Registration of these maps is recommended. Future use of the maps for hydro support purposes is not recommended due to the previously discussed problems that were encountered. Re-bridging by analytic aerotriangulation and new mapping with new color and infrared photography is recommended.

*S. G. Blankenbaker*  
S. G. Blankenbaker

NOTE: POLITICAL BOUNDARIES - With the exception of the Mass. - Rhode Island state line, none of the numerous mapped political boundaries are shown on modern charts. In consideration of the loss of some field photographs, and requests by photogrammetric office reviewers for field verification of boundaries, it is recommended that the project maps not be considered sources for political boundaries (with the exception of the state line). See

FIELD INSPECTION REPORT

Project 25120

Map T-10485

Please refer to the Field Inspection Report for Map T-10474  
for all data pertaining to this map.

*Mart - C. Moody*  
Martin C. Moody  
Cartographic Survey Aid

Approved:

*Irish J. Fitzgerald*  
for Ira R. Hubottom  
Chief of Party

FIELD INSPECTION PHOTOGRAPHS —  
56W 257, 258, 259, 260, 275

ALL PHOTOGRAPHS WERE MISSING AT  
THE TIME OF FINAL REVIEW —  
APPARENTLY LOST.



U.S. DEPARTMENT OF COMMERCE  
NAUTICAL AND GEODETIC SURVEY  
DESCRIPTIVE REPORT  
CONTROL RECORD

MAP T. 10485

PROJECT NO. Ph-163

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\lambda$ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
					FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
BORDEN FLATS Lighthouse, 1897	G.P. List p. 325	N.A. 1927	41	42	15.619	481.9	1369.2				
EAST BRIGHTMAN (MGS) 1934	G.P. List p. 773	"	71	10	29.661	685.8	701.5				
STEEL BROOK, BROWN CHURCH SPIRE 1874	p. 607	"	41	44	29.855	921.1	930.0				
FALL RIVER, WATER TOWER, 1887	p. 325	"	71	07	46.224	1068.1	318.3				
FALL RIVER CITY HALL (MGS) 1934	p. 774	"	41	41	46.739	1442.0	409.1				
SLIP (MGS) 1934	p. 772	"	71	07	37.763	873.2	514.2				
BARN CLOCK, 1889	p. 650	"	41	42	04.097	126.4	1724.7				
HASKELL (MGS) 1937	p. 133	"	71	09	20.163	466.2	921.1				
SOMERSET-SWANSEA -1 (BOUNDARY STONE, SOMERSET 2) 1887	p. 646	"	41	42	35.833	1105.5	745.6				
FALL RIVER TWIN SPIRES NO. 1 1932	p. 5	"	71	10	49.281	1139.3	247.8				
FALL RIVER TWIN SPIRES NO. 2 1932	p. 5	"	41	44	10.919	336.9	1514.2				
QUEQUECHAN ENGINE HOUSE, 1890	p. 621	"	71	10	06.737	155.7	1230.9				
			41	43	59.135	1824.4	26.7				
			71	07	39.825	920.4	466.2				
			41	44	21.724	670.2	1180.9				
			71	09	24.543	567.2	819.3				
			41	41	23.70	731.2	1119.9				
			71	07	56.90	1315.9	71.7				
			41	41	24.35	751.2	1099.9				
			71	07	56.66	1310.3	77.2				
			41	42	33.208	1024.5	826.6				
			71	08	56.147	1298.1	89.0				

1 FT. = 3048006 METER

COMPUTED BY: J. C. Richter

DATE 30 July 1957

CHECKED BY: J. C. Oregan

DATE 14 August 1957

COM-DC-57843

U. S. DEPARTMENT OF COMMERCE  
DESCRIPTIVE REPORT  
COAST AND GEODETIC SURVEY  
CONTROL RECORD

MAP T-10485

PROJECT NO. Ph-163

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\lambda$ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
FALL RIVER HIGH SCHOOL TOWER, 1887	G. P. List p. 325	N.A. 1927	41 42 18.935	584.2	1266.9					
WEST BRIGHTMAN (MGS) 1934	p. 773	"	71 09 08.399	194.2	1193.0					
			42 43 28.671	884.6	966.5					
			71 09 25.525	590.0	796.9					
SHELL (MGS) 1934	p. 773	"	41 43 53.875	1662.2	188.9					
			71 08 33.484	773.9	612.8					
MONTAUP (MGS) 1934	p. 774	"	41 44 14.816	457.1	1394.0					
			71 08 45.844	1059.4	327.1					
MONTAUP NO. 2 (MGS) 1934	p. 773	"	41 44 13.662	421.5	1429.6					
			71 08 46.802	1081.5	305.0					
SOMERSET MEETING HOUSE, 1843	p. 644	"	41 44 10.92	336.9	1514.2					
			71 10 06.99	161.5	1225.1					
ST MATHIEU (MGS) 1934	p. 774	"	41 43 22.575	696.5	1154.6					
			71 08 57.385	1326.5	60.4					
Sub. Pt. M6 BB MGS	Comp.	"	PLOTTED GRAPHICALLY							
-98G MGS	Fall River Quad (USE) A-26	"	41 44 27.610	851.8	999.3					
			71 08 53.529	1236.9	149.5					
Sub. Pt. -98G MGS	Comp.	"	41 44	887.9	963.2					
			71 08	1239.4	147.1					
M6 BB MGS	Fall River Quad (USE) A-31	"	41 43 48.952	1510.3	340.8					
			71 10 10.379	239.9	1146.8					
NIAGARA ENGINE HOUSE, 1887	G. P. List p. 621	"	41 41 19.618	605.3	1245.8					
			71 09 35.692	825.4	1562.2					

1 FT. = 3048006 METER

COMPUTED BY: A. K. Heywood

DATE 8/13/57

CHECKED BY: E. L. Rolle

DATE 8/20/57

COMM-DC-57843



U.S. DEPARTMENT OF COMMERCE  
DESCRIPTIVE REPORT  
COAST AND GEODETIC SURVEY  
CONTROL RECORD

MAP T 10485

PROJECT NO. Ph-163

SCALE OF MAP 1:10,000

SCALE FACTOR

1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\lambda$ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
RADIO, 1955	G. P. List p. 892	N.A. 1927	41	42	49.255	1519.6	331.5				
			71	10	18.479	427.2	959.9				
STATE, 1955	"	"	41	42	19.963	615.9	1235.2				
			71	09	56.555	1307.6	79.6				
DAVOL, 1955	"	"	41	42	32.911	1015.4	835.7				
			71	09	34.125	788.9	598.3				
MARINE, 1955	"	"	41	43	05.185	160.0	1691.1				
			71	09	58.883	1361.1	25.9				
POWER, 1955	"	"	41	42	55.205	1703.2	147.9				
			71	09	35.261	815.1	571.9				
NAVAL, 1955	"	"	41	43	13.867	427.8	1423.3				
			71	09	27.450	634.5	752.4				
WILBUR, 1955	"	"	41	43	19.998	617.0	1234.1				
			71	09	38.215	883.3	503.6				
LAVA, 1955	"	"	41	41	43.834	1352.4	498.7				
			71	10	54.562	1261.6	125.8				
NIAGARA, 1887	"	"	41	41	20.074	619.3	1231.8				
			71	09	35.958	831.6	556.0				
FALL RIVER 2, 1861	p. 619	"	41	42	39.165	1208.3	642.8				
			71	08	45.480	1051.5	335.7				
LONG ROCK, 1887	p. 645	"	41	44	22.748	701.8	1149.3				
			71	08	54.084	1249.8	136.7				
LAUNDRY (MGS) 1934	p. 773	"	41	43	28.270	872.2	978.9				
			71	09	03.255	75.2	1311.6				

1 FT. = 3048006 METER

COMPUTED BY: J. C. Cregan

DATE 11/30/59

CHECKED BY: J. W. Vonasek

DATE 11/30/59

COM-DC-57643



COMPILATION REPORT  
T-10485

The photogrammetric plot report for this survey is part of the Descriptive Report for survey T-10472.

31. DELINEATION

The Kelsh Plotter was used for delineation of this manuscript.

32. CONTROL

Horizontal control was adequate. Vertical control is inapplicable.

33. SUPPLEMENTAL DATA

Final name sheet dated 5 March 1957, prepared on a copy of U.S.G.S. Fall River, Mass- R. I., quadrangle.

The boundary line between Somerset and Fall River, and the boundary line between Swansea and Somerset was taken from U.S.G.S. 7½ minute quadrangle, Fall River, Mass.-R. I.

34. CONTOURS AND DRAINAGE

Drainage is complete. Contours are inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

All shoreline details are from field inspection which was thorough. The low water lines are from field inspection.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 submitted for landmarks and aids.

38. CONTROL FOR FUTURE SURVEYS

There are no recoverable topographic stations on this manuscript.

39. JUNCTIONS

To the north with T-10478.

To the west with T-10484.

To the south with T-10492.

To the east, the join was made with T-10486, with one exception. The boundary line for Watuppa Reservation compiled on T-10486 was not continued onto T-10485 as this information was not furnished on the adjoining U.S.G.S. quadrangle.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BRIDGE DATA

Add to the Bridge Clearance List the following: Lee River, Highway U. S. 6, fixed bridge, horizontal clearance 20.0 feet, vertical clearance 5.2 feet above M.H.W.

Note: Lee River is spelled "Lees River" in Corps of Engineers List of Bridges, edition of 1941.

42 through 45: Not applicable.

46. COMPARISON WITH EXISTING MAPS

1. U.S.G.S. Fall River, Mass.-R. I. quadrangle, scale 1:31,680, edition of 1944, reprinted 1950 with corrections.
2. Map of Bristol County, Mass., scale 1:63,360, issued 1944.
3. Plan of the City of Fall River, Mass., scale 1:15,840, issued 1903.
4. Bureau Survey T-5750, scale 1:20,000, 1944.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 353, scale 1:40,000, 19th edition March 10, 1958, revised January 25, 1960.

Chart No. 350, scale 1:10,000, 2nd edition November 12, 1956.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Approved and forwarded

*William E. Randall*

William E. Randall

LCDR, C&GS

Baltimore District Officer

Respectfully submitted  
18 October 1960

*Edward L. Rolle*  
Edward L. Rolle  
Carto. (Photo.)



PHOTOGRAMMETRIC OFFICE REVIEW

T- 10485

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

CONTROL STATIONS

4a. Classification label ☒

5. Horizontal control stations of third-order or higher accuracy ☒ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ☒ 7. Photo hydro stations ☒ 8. Bench marks ☒  
9. Plotting of sextant fixes ☒ 10. Photogrammetric plot report ☒ 11. Detail points ☒

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges ☒ 16. Aids to navigation ☒ 17. Landmarks ☒ 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable contours ☒ 23. Stereoscopic instrument contours ☒ 24. Contours in general ☒ 25. Spot elevations ☒ 26. Other physical features ☒

CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒

40. Edward L. Rolfe Joseph Steinberg  
Reviewer Supervisor, Review Section of Unit

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

Supervisor

43. Remarks:

## NOTES TO REVIEWER

The following triangulation stations were plotted even though reported lost by the field report covering this quadrangle. The recovery Cards for these stations did not contain a definite statement to the fact that they were lost or destroyed.

FALL RIVER 2, 1861  
LONG ROCK, 1887  
NIAGRA, 1887  
BURNS 2 MGS, 1936

The description for triangulation STEEP BROOK BROWN CHURCH SPIRE 1874 from Book 555, page 5 of C&GS Control Data, states that church is 100-feet north of Wilson Road. We believe this distance to be about 100 yards north of Wilson Road.

Review Report  
T-10485  
December 1967

61. General Statement

This survey was not used for contemporary hydrographic survey support purposes; additions and corrections, however, were made prior to <sup>review</sup> survey H-8207 from T-10485 during the review of the hydrographic survey (refer to the review report and addendum, for H-8207). Discrepancies (in position of shoreline) between the surveys amounting to as much as 2.5 mm were brought to the attention of the Hydrographic Survey Data Branch during this review of T-10485.

62. Comparison with Registered Topographic Surveys

T-5750	1:20,000	1949
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Except for some alongshore rock details carried forward from T-5750 to H-8207, the new survey supersedes the prior survey for nautical charting purposes in the common area.

63. Comparison with Maps of Other Agencies

USGS Quad, Fall River, Mass.-R.I.,	1949	1:24,000
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No significant differences were noted.

64. Comparison with Hydrographic Surveys

H-8207	1955	1:10,000
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Refer to headings 61 and 65.

65. Comparison with Nautical Charts

350	Jan. 24, 1966	1:10,000
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The chart contains some shoreline and alongshore information apparently obtained from more recent sources; also, some shoreline and shoreline information was apparently obtained from the subject survey (T-10485) - in areas of disagreement between T-10485 and H-8207. (Refer to heading 61)

66. Adequacy of Results and Future Surveys

Differences between this survey and other sources are discussed in preceding sections of this review report. In



view of the amount and distribution of control this survey should meet the required accuracy standards. The addendum to the "Summary" for this survey includes a discussion of (1) project map accuracy and adequacy, (2) and, the adequacy of photography and field inspection. Registration of project maps is recommended; remapping, however, is recommended for future hydrographic survey support purposes.

Notes - (1) Centers of photographs used in bridging the area of this survey fall outside map limits. Kelsh plotter models of the compilation photography were set on bridge points and horizontal control points used in bridging. (2) Neither field nor office photographs were available for inspection during this review. New prints were not ordered for use in final review in consideration of the recommendation made for remapping, and the nature (datum differences) of the previously discussed discrepancies between the new survey and other sources.

Reviewed by

S. G. Blankenbaker  
S. G. Blankenbaker

Approved by

Charles L. Lunn  
Chief, Photogrammetric Branch

Ralph Dobieralski MAR 25 1968  
Chief, Photogrammetry Division

John D. Boyer  
Chief, Marine Chart Division



GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-163 (Mass. & R. I.)

T-10485

Ad Jesum Per Marum Church	Fowler School
Aldrich School	French Cemetery
Bay Street	G A R Highway
Bedford Street	Globe Street
Borden Flats	Hamlet Street
Bradford Durfee Technical Institute	Highland Avenue
Brayton Avenue	Highland School
Brayton Point	Holy Cross School
Brayton Point Road	Lafayette Park
Breeds Cove	Langley Avenue
Brightman Street Bridge	Lee River
Bristol County	Lee River Road
Broadway	Lincoln School
Brown School	Locust Street
City Hospital	Longfellow School
City Pier	McDonough School
Connell School	Morton Junior High School
County Street	Mount Hope Bay
Davis School	New Boston Road
Davol School	New York, New Haven and Hartford
Davol Street	North Burial Ground
Diman Vocational High School	North Christian Church
Doran School	North Church
Dubrague School	North Main Street
Dwelly School	North Park
Eastern Avenue	Notre Dame Cathedral
Eastern Avenue School	Oak Grove Avenue
E. Cole St. Louis Elementary School	Oak Grove Cemetery
Elm Street	Osborn School
Fall River	Pine Street School
Fall River Avenue	Pleasant Street
Firestone Pond	Plymouth Avenue
Flint Village	Pottersville
	President Avenue

Approved by:

*A. Joseph Wraight*  
A. Joseph Wraight  
Chief Geographer

Prepared by:

*Frank W. Pickett*  
Frank W. Pickett  
Cartographic Technician

T-10485 con't.

Prospect Street  
Quequechan River  
Read Street  
Riverside Avenue  
Robeson School  
Robeson Street  
Rodman Street  
Ruggles Park  
Ruggles School  
Saint Anne Hospital  
Saint Johns Cemetery  
Saint Patricks Cemetery  
Saint Stanislaus School  
Sewamock Neck  
Slades Ferry Bridge  
Somerset  
Somerset High School  
South Main Street  
South Park  
Spencer Borden School  
State Pier  
Steep Brook (village)  
Steep Brook (stream)  
Swansea  
Swansea Church  
Swansome Road  
Taunton River  
Truesdale Hospital  
Union Hospital  
Warren Street  
Westall School  
Wilbur Avenue  
Wilbur School  
Wiley School

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

TO BE CHARTED

STRIKE OUT ONE

79/95/PEHETP/

## NON-NAVIGATING AIDS/ON LANDMARKS FOR CHARTS

Baltimore, Maryland

21 January, 1960

I recommend that the following objects which have *(Happé/1960)* been inspected from seaward to determine their value as landmarks be charted on *(Happé/1960)* the charts indicated.

The positions given have been checked after listing by Joseph W. Vonasek

William E. Randall, Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE	LONGITUDE	DATUM						
MASSACHUSETTS	STACK	yellow brick ht=153(173)		41 43	71 08	NA 1927	D.P. METERS 57.18 24.58 568	Photo T-10485	30 Oct. 1956	X		350, 353
	SPIRE	square granite clock tower, ht=186(366) 1887		41 42	71 09	"	584.2 194.2 14.33 46.04 1064	Triang. T-10485	"	X		" "
MASSACHUSETTS	STACK SE OF THREE	concrete ht=271(288)		41 44	71 08	"	17.86 55.1 16.17 499 10.50 324 8.78 27 51.08 157.6 05.54 171 37.83 1167 14.97 462 7.68 237 08.387 258.8 53.68 1656	Photo T-10485	"	X		" "
	TOWER	Steel transmission ht=208(208)		41 43	71 09	"	41.10 950 42.83 990 28.17 658 30.20 698 26.60 615 42.10 980 52.11 1205 58.73 1358 26.03 602 32.156 742.9 42.95 992	"	"	X		" "
MASSACHUSETTS	TOWER	steel transmission ht=208(208)		41 43	71 09	"		"	"	X		" "
	TOWER	steel transmission ht=208(212)		41 43	71 09	"		"	"	X		" "
MASSACHUSETTS	TOWER	steel transmission ht=208(212)		41 43	71 09	"		"	"	X		" "
	RADIO TOWER E OF FOUR	steel ht=330(338)		41 42	71 10	"		"	"	X		" "
MASSACHUSETTS	CUPOLA	(wooden) ht=105(323)		41 44	71 07	"		"	"	X		" "
	CHURCH N. SPIRE	(stone) ht=147(307)		41 41	71 09	"		"	"	X		353 350, 353, 1210
MASSACHUSETTS	STACK TALLER OF TWO	yellow brick ht=200(203)		41 42	71 09	"		"	"	X		350, 353, 1210
	CHURCH SPIRE	stone, ht=130(318)		41 41	71 10	"		"	"	X		350, 353, 1210
MASSACHUSETTS	SPIRE	white wooden, ht=89(149) (A)		41 45	71 08	"		"	"	X		353
	STACK	White Church Spire, 1874) concrete, ht=60(66)		41 45	71 07	"		"	"	X		" "

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating* aids to navigation, if redetermined, shall be reported on this form. 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

## NON-FLUATING AIDS/STD LANDMARKS FOR CHARTS

Baltimore, Maryland 27 January 1960

I recommend that the following objects which ~~have~~ (have not) been inspected from seaward to determine their value as landmarks be charted on ~~(100000 10000)~~ the charts indicated.

The positions given have been checked after listing by Joseph W. Vonasek started on September 1941 the charts indicated.

**William E. Randall**  
*Chief of Party.*

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. 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 } STRIKE OUT TWO

5 February 1957

**Morgan City, Louisiana**

I recommend that the following objects which have ~~not been~~ 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

I. R. Rubottom	Chief of Party.
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[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. 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

## RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10485

## 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]