

10474 original

Diag. Cht. No. 1210-2. Insert

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Planimetric
Field No. Ph-163	Office No. T-10474
LOCALITY	
State	Massachusetts
General locality	Taunton River
Locality	Grassy Island
1956	
CHIEF OF PARTY	
Ira R. Rubottom, Chief of Party	
William E. Randall, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	February 26, 1968

COMM-DC 61300

10474

T - 10474

Quadrangle Name (IV):

Chief of Party: Ira R. Rubottom

Officer-in-Charge: William E. Randall

Copy filed in Division of
Photogrammetry (IV)

(II) 9 April 1956
13 March 1957

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

Date received in Washington Office (IV):

OCT 11 1960

Date reported to Nautical Chart Branch (IV):

Date:

Date registered (IV):

Publication date (IV):

Vertical Datum (11): **MHW**

XXXX-XXXX-XXXX-XXXX:

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

Lat.: 41° 49' 39.248" (1210.9 m) Long.: 71° 04' 43.811" (1011.0 m)

Adjusted
~~DISPOSITION~~

State:

Zone:

$$Y \equiv$$
 $X =$

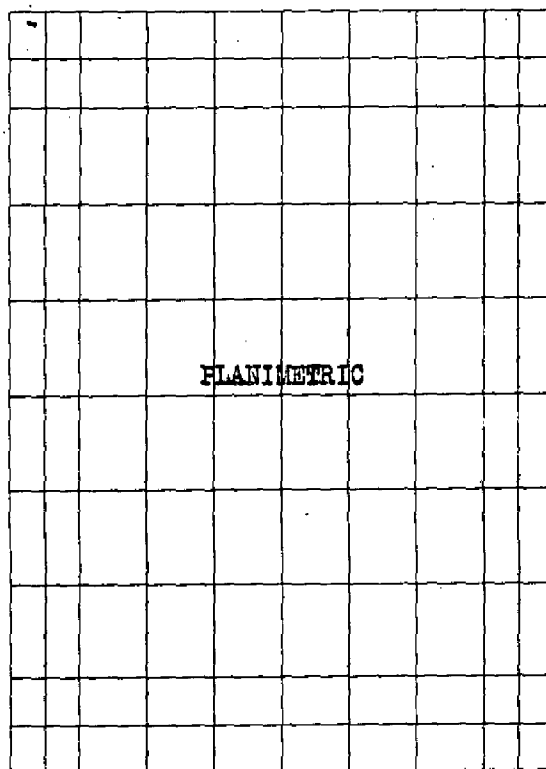
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

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

71° 07.5'



41° 52.5'

41° 48.75'

71° 03.75'

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): John S. Winter
Leo F. Beugnet

Date: May - October 1956

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 1 May 1956 (date of photography)
Photogrammetric (Kelsh)

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

Date: 8/6/57

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

Date: 8/6/57

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

Date: 9/3/57

Control checked by (III): E. L. Rolle

Date: 9/5/57

Radial Plot or Stereoscopic
Control extension by (III): E. L. Rolle

Date: 6/20/58

Planimetry B. Kurs
Stereoscopic Instrument compilation (III):

Date: 12/19/58

~~OK~~

Date:

Manuscript delineated by (III): R. E. Lindauer

Date: 3/21/60

Photogrammetric Office Review by (III): R. Glaser

Date: 3/2/60

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

- 5 -

Camera (kind or source) (III): USC&GS "W" camera

PHOTOGRAPHS (III)

Number	Date	Time (EST)	Scale	Stage of Tide
56-W-280 & 281	5/1/56	1002	1:30,000	1.0 above MLW
282	"	1003	"	1.0 " "
283	"	1004	"	1.0 " "
286	"	1011	"	1.1 " "
287	"	1012	"	1.1 " "
288	"	1013	"	1.1 " "
289	"	1014	"	1.1 " "

Tide (III)
(From predicted tables)

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

Ratio of Ranges	Mean Range	Spring Range
-	3.5	4.4
	2.8	3.5

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

Date: Nov. 1967

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 14
Shoreline (More than 200 meters to opposite shore) (III): 1.5 mi
Shoreline (Less than 200 meters to opposite shore) (III): 8.7 mi
Control Leveling - Miles (II): -
Number of Triangulation Stations searched for (II): 35 ~~44~~ Recovered: 17 17 Identified: 8
Number of BMs searched for (II): None Recovered: Identified:
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

THIS MAP WAS NOT FIELD EDITED

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT
T-10474

T-10474 is one of thirty planimetric maps comprising Job 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 Kelsh plotter.

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

A cronaflex copy of this 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

10
-X-

FIELD INSPECTION REPORT
Project 25120
Maps T-10474, T-10478, T-10479
T-10484 through T-10486
T-10491 through T-10493

2. AREAL FIELD INSPECTION

This area covers the upper reaches of Taunton and Assonet Rivers and the majority of Mount Hope Bay. It is of rolling terrain with excellent drainage and is densely populated.

Drainage is chiefly by Taunton, Cole and Assonet Rivers into Mount Hope Bay. Of the rivers, Taunton is the most important because of its depth and extensive reach. It also empties into Mount Hope Bay and at this junction lies the city of Fall River, Mass. which is an important textile center and the only large city in the area. There are also a number of small industries here, all of which are served by a good harbor, excellent roads, railroad and air transport.

Field inspection was accomplished using 1956 single lens photographs of 1:10,000 scale ratio prints. Field inspection notes were made on these with little difficulty. However, during horizontal control identification some trouble was encountered due to the loss of definition of small images. This was found only in a few areas and was not considered serious.

Photographs for each quadrangle are as follows:

T-10474

56W 280
281
282
283

56W 286
287
288
289

T-10478

56W 255
257
277
278
280

T-10479

56W 277
278
279
280

56W 289
290
291
292

SEE NOTE
NEXT PAGE

NOTE: PHOTOGRAPHS CIRCLED IN RED
COULD NOT BE FOUND AT THE
TIME OF FINAL REVIEW.

-8- 1)

NOTE: THE NOS. OF PHOTOS USED FOR PROJECT URBAN
AREA LIMITS INSPECTION ARE LISTED IN THE PROJECT
COMPLETION REPORT.

T-10484

56 W 245
246
257
258
259

T-10485

56 W 257 56 W 276
258 277
259 278
260
275

T-10486

56 W 275 56 W 294
277
291
292
293

T-10491

56 W 242 56 W 262
243 263
244 264
260 54 W 1196
261

T-10492

56 W 260
262
273
274
275

T-10493

56 W 273
275
295
296
297

3. HORIZONTAL CONTROL

All control used was as originally plotted on the project
index. Those plotted consist of Massachusetts Geodetic Survey
traverse and triangulation stations in addition to Bureau control.
No information as to the accuracy of the Mass. Geo. Sur. control
was furnished the field office.

The following stations were reported as lost:

T-10474

Taunton Corner 6, 1890
Taunton Corner 3, 1889
Stork, 1890
O'Brien, 1890
Meadow Dam, 1890
Freetown Corner 5, 1890
Dillingham, 1890
Skunk Hill, 1890
Berkley, White Church, Spire, 1890
North Dighton, 1874
Telegraph, 1874
Williams House, 1876
Freetown Corner 4, 1890

Carpenters Barn, 1876
Birch, 1876
80 C (MGS)

T-10478

Boundary Stone-Somerset 3, 1889
Dillon, 1890
Dighton-Swansea Corner 1, 1890
Chase's Barn Cupola, 1890 - lost
Bluff, 1874
Little Rock North Base, 1890
Little Rock South Base, 1890
122 H (MGS)

See report for 10478
many of these recovery
cards indicate station
is not definitely lost
gmr

T-10479

Terry, 1874
Freetown Corner 4, 1890 10479

T-10484

Somerset-Swansea Boundary Stone 1, 1887
Limestone, 1887
Somerset-Swansea 2, 1887
Spar Island, 1861
Mattapoisett, 1843
Juniper, 1887
Christian, 1937
Lees River, (MGS), 1934
Cedar Cove, (MGS), 1934
122 A (MGS)
Towesett, 1874

See report for 10484 -
many of these recovery
cards indicate station
is not definitely lost
g

T-10485

Durfrees Cupola, 1861
Fall River 2, 1861
✓ Globe Village Chimney, 1861
✓ Large Chimney, with rail on top, 1874
Long Rock, 1887
✓ Mill with Conical Cupola, Chimney, 1874
Niagara, 1887
Niagara Engine House, 1887
✓ Slade, 1843
Somerset, 1865
Somerset 2, 1874

T-10485 cont'd

- ✓ Tallest Stack, 1932
- Barns 2 (MGS)
- ✓ Beattie (MGS), 1934
- ✓ Bell Buoy (MGS), 1934
- ✓ Ferry (MGS), 1934
- ✓ Park (MGS), 1934
- ✓ Remington (MGS), 1934
- ✓ Riverside (MGS), 1934
- ✓ Sewamock (MGS), 1934
- 98 F (MGS)

T-10486

Freelove, 1887

T-10491

Brown Barn Cupola, 1917
Mount Hope Bay East Boundary, 1887
Power House Stack, 1917
Sisson's Farm, Long Yellow Shed, 1917
Tiverton, 1917

T-10492

Chimney, 1887
Fall River Corner 5, 1887

T-10493

Borden Mag, 1936
Boundary Stone Dartmouth, 1887
Boundary Stone Dartmouth, 2, 1887
Highway, 1887

Station TOWESETT, 1874 was not recovered but its position established from reference marks and identified for control.

4. VERTICAL CONTROL

Only tidal bench marks were recovered or searched for in this project.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage consist entirely of perennial streams and seepage in swamp areas. A majority of the marsh and swamp limits were indicated on the photographs during field inspection. In some instances small isolated swamps were merely labeled or left unlabeled for office classification. Most of these areas are near swamp which has been outlined or labeled.

Perennial streams are self-evident on the photographs in most places and have been stereoscopically examined and classified where necessary to aid compilation.

6. WOODLAND COVER

This was classified in accordance with current instructions and is covered with adequate field inspection notes on the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

A line created by marine vegetation on the foreshore and which has a different photographic tone was visually inspected and verified as the mean high water line as photographed in May 1956.

Where practical, an approximate low water line was indicated.

There are no bluffs of landmark value in this area.

Field inspection notes adequately cover all shoreline features and structures.

8. OFFSHORE FEATURES

As hydrography of the Taunton River was accomplished the

previous year and Mount Hope Bay is scheduled for the following year, all rocks were not visited. Only those that were visible at the time of shoreline inspection have been indicated on photographs with their heights above water.

9. LANDMARKS AND AIDS

There are only two fixed aids to navigation and only one; Borden Flats Lighthouse, 1897, was identified. The other one, Trestle Pier Light (No. 559 in the light list) was not on station during the time of field operations. The pier on which it was situated is being rebuilt. Upon completion, the light will be placed on the southwest corner of the new pier.

All landmarks and aids have been reported on form 567.

10. BOUNDARIES, MONUMENTS AND LINES

Boundaries currently in effect and within these maps are as follows:

Massachusetts - Rhode Island State Boundary, Maps T-10484, T-10491 and T-10492.

Bristol County, Massachusetts, Maps T-10484, T-10491, T-10492.

Bristol County, Rhode Island, Maps T-10484, T-10491 and T-10492.

Newport County, Rhode Island, Maps T-10484 and T-10491.

Freetown Fall River State Forest, Maps T-10479 and T-10486.

No discrepancies were found in the boundaries listed above. They are as shown on current U.S. Geological Survey topographic quadrangle maps.

The Freetown-Fall River State Forest (T-10479 and T-10486) was not outlined on the photographs but its limits were verified in the field as being the same as shown on U. S. Geological topographic quadrangle maps. Some of the boundary monuments

were identified on the photographs.

The cities of Fall River and Taunton, Massachusetts and Tiverton, Rhode Island, have no specific limits of their own as they are incorporated places within the town of the same name. Towns, in both states, being the first minor subdivision of the county.

11. OTHER CONTROL

No supplemental control was established.

12. OTHER INTERIOR FEATURES

Roads and buildings were classified in accordance with current instructions.

One airport, Fall River Municipal, lies within quadrangles T-10479 and T-10486. Its limits have not been indicated on the photographs. Due to road construction, changes have occurred and the airport manager did not wish to commit himself.

One airport beacon is located in quadrangle T-10479 and has been reported on form 567.

Bridges and overhead cable clearances are as follows:

(See following page)

Waterway	Bridge Name or location	Type	Bridge Clearances (in feet)		Bridge Book Horiz. Vert.	Map No.
			Measured Horiz. Vert.			
Taunton R. Mass.	Berkley	Sw.	47.0 L 56.0 R	7.0	49.5 L 52.8 R	T-10474
Assonet R. Mass.	Assonet	F.	45.0	25.2		T-10479
Taunton R. Mass.	Brightman St.	B.	98.0	27.2	98.0	T-10485
Taunton R. Mass.	Slades Ferry	B.	100.0	6.3	100.0	T-10485
Sakonnet River R.I.	Stone Bridge	F.	40.0*	7.4	100.0	T-10491
Sakonnet River R.I.	Tiverton RR bridge	Sw.	99.0	11.8	104 L 99 R	T-10491
Sakonnet River R.I.	Tiverton	F.	361.0	68.2		T-10491

* This bridge was damaged by storms. It has been altered to a fixed bridge with greatly reduced horizontal clearance.

Overhead Cable Clearances

Waterway	Latitude °	Longitude °	Clearance	Map No.
Taunton R. Mass.	41 50.1	71 06.0	132 ft.	T-10474
Taunton R. Mass.	41 43.2	71 09.6	153 ft.	T-10485
Taunton R. Mass.	41 43.2	71 09.6	150 ft.	T-10485
Sakonnet R. R.I.	41 38.3	71 12.8	95 ft.	T-10491

13. GEOGRAPHIC NAMES

There is no special report on geographic names as a complete investigation was not made. Prepared name sheets with discrepancies noted were furnished the field party. Questions concerning these discrepancies were answered on the prepared name sheets.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

1. Form 567, Fixed Aids to Navigation and Landmarks for charts to be forwarded at a later date.
2. Form 567, Aeronautical Aids and Landmarks for aeronautical charts to be forwarded at a later date.
3. One map, City of Fall River, Massachusetts.

Submitted by:

Martin C. Moody
Martin C. Moody
Cartographic Survey Aid

Approved:

Isaiah J. Fitzgall
for Ira R. Rubottom
Chief of Party

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

MAP T 10674

PROJECT NO Ph-163

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
TAUNTON CORNER 4, 1889	G.P. List p. 616	N.A. 1927	41 52 22.332 71 04 37.041	689.0 1162.1 854.2 529.5			
27A17 MGS *	USGS A 17	"	41 48 52.208 71 07 15.672	1610.7 240.4 361.7 1023.2			
27A18 MGS	A 17	"	41 49 55.259 71 07 02.236	1704.8 146.3 51.6 1332.9			
RIVER, 1874	G.P. List p. 600	"	41 51 35.502 71 06 17.037	1095.3 755.8 393.0 990.9			
BRYANT HILL, 1884	p. 610	"	41 49 39.248 71 04 43.811	1210.9 640.2 1011.0 373.6			
GRAVEYARD, 1874	p. 599	"	41 49 33.912 71 07 28.991	1046.3 804.8 669.1 715.6			
27A24 MGS *	USGS A 18	"	41 52 10.869 71 06 20.238	335.3 1515.8 466.7 917.0			
27A25 MGS	"	"	41 52 19.596 71 06 14.588	604.6 1246.5 336.4 1047.2			
THRASHER 1876	G.P. List p. 609	"	41 52 21.870 71 05 16.719	674.8 1176.3 385.6 998.1		* Taunton Quad.	
HIGH 1874	p. 600	"	41 50 56.945 71 06 29.918	1756.9 94.2 690.2 693.9			
TAUNTON CORNER 5, 1890	p. 616	"	41 52 20.892 71 05 37.159	644.6 1206.6 856.9 526.7			
80B MGS	MGS BULL 6/1938	"	316,696.26 719,717.20	334.1 1189.9 1437.8 86.2		<i>outside limits</i>	

1 FT. = 3048006 METER

COMPUTED BY J. C. Richter

DATE 7/26/57

CHECKED BY J. C. Cregan

DATE 8/13/57

COM-DC-57843

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

MAP T-10474

PROJECT NO. Ph-163

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -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
27A19 MGS	MGS BULL 6/1938	N.A. 1927	304,889.26		1490.2	33.8				
			704,539.94		1383.8	140.2				
BURT 1876	G.P. List p. 600	"	41 51 28.139		868.1	983.0				
			71 05 49.631		1144.8	239.2				
TAUNTON IRON WORKS 1876	p. 609	"	41 52 53.511		1651.0	200.0				
			71 05 38.536		888.6	494.8				
DIGHTON UNITARIAN CH. 1890	p. 647	"	41 49 01.187		36.6	1814.5				
			71 07 48.206		1112.6	272.2				
FREETOWN CORNER 6, 1890	p. 613	"	41 49 03.492		107.7	1743.4				
			71 05 04.069		93.9	1290.9				
TAUNTON CORNER 3, 1889	p. 646	"	41 52 11.625		358.7	1492.4				
			71 04 23.768		548.1	835.6				
FREETOWN CORNER 4, 1890	p. 613	"	41 48 45.894		1415.9	435.2				
			71 05 37.138		857.2	527.7				
FREETOWN CORNER 5, 1890	"	"	41 49 03.655		112.8	1738.3				
			71 05 20.316		468.9	915.9				
Sub. Pt. BURT, 1876	Comp	"	41 51		812.1	1039.0				
			71 05		1136.2	247.8				
Sub. Pt. TAUNTON COR. 5, 1890	"	"	41 52		609.3	1241.9				
			71 05		769.7	613.9				
Sub. Pt. BOB MGS	"	"	315,952.90		290.4	1233.6				
			719,749.69		1447.7	76.3				
Sub. Pt. 27A19 MGS	"	"	304,813.78		1467.2	56.8				
			704,625.91		1410.0	114.0				

1 FT. = 3048006 METER

COMPUTED BY A. K. Heywood

DATE 3/27/57

CHECKED BY S. G. Blankenbaker

DATE

3/28/57

CONW-DC-57843

COMPILATION REPORT, T-10474

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

31. DELINEATION

Delineation was by Kelsh Plotter.

32. CONTROL

The identification, density and placement of horizontal control was adequate.

33. SUPPLEMENTAL DATA

Final Name Sheet prepared on U.S.G.S. Assonet, Mass. quadrangle, dated 5 March 1957.

34. CONTOURS AND DRAINAGE

Drainage is complete.
Contours are not applicable.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was satisfactory and complete.

No low-water or shoal lines appear on the manuscript. Delineation of foul areas was based on inspection furnished by the field party.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junction has been made and is in agreement with T-10479 to the south.

There are no contemporary surveys to the north, east and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES

The Taunton-Berkley town boundary line eastward from TAUNTON COR. 3, 1889 was plotted from the result of a computation to determine the azimuth between the above station and BERKLEY-TAUNTON COR. 1, 1890.

A like computation was made to determine the azimuth between FREETOWN COR. 6, 1890 and LAKEVILLE COR. 3, 1890 in order to plot the Berkley-Freetown town boundary eastward from FREETOWN COR. 6, 1890.

42 through 45.

Not applicable.

46. COMPARISON WITH EXISTING MAPS

U.S.G.S. Assonet, Mass. quadrangle, scale 1:31,680, revision of 1951.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 353, scale 1:40,000, published 5/26/52 and revised 9/19/55.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
2 March 1960

R. Glaser

R. Glaser
Carto. (Photo.)

Approved and forwarded

William E. Randall

William E. Randall
LCDR, C&GS
Baltimore District Officer

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10474

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

CONTROL STATIONS

1a. 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. R. Blaser
Reviewer

Joseph H. Hensley
Supervisor, Review Section or 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 FOR THE REVIEWER
T-10474

There is some doubt as to whether the field inspected location of DIGHTON ROCK is correct. It appears to be inspected closer to the shoreline than its location on U.S.G.S. Assonet, Mass. quadrangle or Chart 353.

In accordance with field inspection data, the geographic names DIGHTON SCHOOL and COUNTY AGRICULTURAL SCHOOL have been changed to DIGHTON ELEMENTARY SCHOOL and BRISTOL COUNTY AGRICULTURAL SCHOOL, respectively.

REVIEW REPORT
T-10474
November 1967

62. Comparison with Registered Topographic Surveys

T-1419a	1:2,500	1875
T-1419b	1:2,500	1875
T-1420a	1:2,500	1875
T-1420b	1:2,500	1875

T-10474 supersedes the prior surveys for nautical charting purposes in the common area except as qualified under side heading 66.

63. Comparison with Maps of Other Agencies

USGS quad, Assonet	1:3,680	1951
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One significant difference -- the location of Dighton Rock -- was noted by the compiler. The field inspected location (survey T-10474) was questioned. Refer to side heading 66.

64. Comparison with Contemporary Hydrographic Surveys

Inapplicable

65. Comparison with Nautical Charts

No. 353	1:40,000	1/17/66
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Only a small part of the area mapped on T-10474 is covered by a Bureau chart (353). No significant differences were noted.

66. Adequacy of Results and Future Surveys

Project photography was generally poor for the purpose of interpreting alongshore rock details, and field inspection was inadequate in this regard -- most of the hydrographic surveys covering the project area show many rocks that are not shown on project maps. No Bureau hydrographic surveys cover the area of T-10474. Registered topographic surveys (side heading 62) include considerable rock details not shown on T-10474.

The addendum to the Summary for this Descriptive Report includes a discussion of the adequacy and accuracy of project

T-10474, cont.

maps. The maps will be registered; remapping, however, is recommended for future hydrographic survey support purposes.

Reviewed by:

S. G. Blankenbaker
S. G. Blankenbaker

Approved by:

Charles H. Hemen
Chief, Photogrammetric Branch

Ralph Sokierski
Chief, Photogrammetry Division

John D. Boyer
Chief, Marine Chart Division

MAR 25

GEOGRAPHIC NAMES

FINAL NAME SHEET

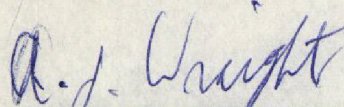
PH-163 (Mass. & R. I.)

T-10474

Algierene Street
 Bayview Avenue
 Berkley
 Berkley Bridge
 Berkley Cemetery
 Berkley Street
 Blake Cemetery
 Bristol County Agriculture School
 Bryant Street
 Burt Street
 Center Street
 Congregational Church
 Dighton
 Dighton Avenue
 Dighton Cemetery
 Dighton Elementary School
 Dighton High School
 Dighton Rock
 Elm Street
 Forrest Street
 Fox Cemetery
 Freetown
 Friend Street
 Grassy Island
 Green Street
 Hospital Hill
 Jerome Street
 Bryant Hill

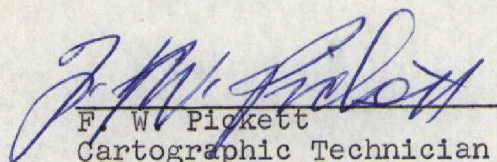
Locust Street
 Memorial Hall
 New York, New Haven and Hartford
 North Dighton
 North Dighton Station
 North Main Street * 56 D
~~North Street~~
 Old Quaker Cemetery
 Orchard Street
 Peters Point
 Pine Street
 Plain Street
 Point Street
 Porter Street
 Riverside Cemetery
 St. Peters Church
 Sanford Street
 Segreganset
 Segreganset River
 Somerset Avenue
 South Main Street
 South Street School
 Taunton
 Taunton River
 Taunton Yacht Club
 Threemile River
 Tremont Street
 Quaker Brook

Approved by:



A. J. Wraight
 Chief Geographer

Prepared by:



F. W. Pickett
 Cartographic Technician

* 2(two) NORTH MAIN STREETS
 Mar/28/1968

