

6374

Original

6374

Form 504
Ed. June, 1923

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Massachusetts

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. D

6374

LOCALITY

Buzzards Bay

South Dartmouth to Clark Point.

193 5

CHIEF OF PARTY

Wm. D. Patterson

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. D

REGISTER NO.

6374

State Massachusetts

General locality Buzzards Bay

Locality South Dartmouth to Clark Point ²⁹

Scale 1:10,000 Date of survey April May, 1935

Vessel Field Party No. 5

Chief of party Lieut. Wm. D. Patterson

Surveyed by Victor A. Bishop

Inked by C. R. Smith

Heights in feet above.....to ground to tops of trees

Contour, Approximate contour, Form line interval.....feet

Instructions dated July 11, 1934

Remarks:.....

DESCRIPTIVE REPORT

To Accompany

TOPOGRAPHIC SHEET "D" (Field Letter)

South Dartmouth and Vicinity to Clark Point.

Project HT-179

Wm. D. Patterson

Chief of Party

INSTRUCTIONS:

This survey was made in accordance with the Directors Instructions dated July 11, 1934 and Supplemental Instructions Dated May 9, 1935. ✓

DESCRIPTION OF SHORE LINE:

With the exception of that bordering the Apponaganset River, the shoreline is of the boulder type, which in many instances extends as much as 100 meters offshore. In some places such as that along the east shore of Clark Cove the boulders have been moved and beaches have been formed for recreational purposes. ✓

The shoreline in Apponaganset River is low and marshy and high water covers much of the marsh. In a few instances such as at the head of the river on the west bank the high water line extends back as much as 200 meters from the prominent marsh line. ✓

Improvements are continuously being made along the shore line bordering Clark Cove, around Clark Point and northward to the limits of the sheet. Such improvements as construction of small retaining walls, removal of inshore rocks, construction of piers, etc. are continuously changing the small details along this section of the shoreline. ✓

CHARACTER OF CONTROL:

All triangulation was executed by Lieut. Wm. D. Patterson in 1934 and computed on the North American Datum of 1927, except "Dartmouth Mill Chimney (1902)" and "Hathaway Mill Chimney (1902)". These two stations were placed on the above datum by making a correction of minus 16.6 meters in Latitude and a plus 3.4 meters in Longitude. Numerous other stations were established by the plane table for the hydrographic surveys. ✓

Topographic station "Hit" was described on form 524. ✓

DESCRIPTION OF SURVEY METHODS:

As no set up over a station could be made in the vicinity of Apponaganset River or Bay it was necessary to resort to a three point fix at signal "San". The survey started at this point and by a series of resections and intersections on different objects the survey was carried to completion. ✓

A good check was obtained with topographic sheet "C" (field letter) on the south side of a small pier shown as the southern limit of the sheet. ✓

The remaining plane table positions were established by resections on other triangulation stations after setting up over triangulation station "Milliken U.S.E. (1934)", "New Bedford Fort (1844)" and "Walcott U.S.E. (1934)". ✓

A tracing was made from old bromide and continuous check made in the field of shore and off-shore rocks, etc. ✓

COMPARISON WITH PREVIOUS SURVEYS:

Excepting small changes such as retaining walls, piers, etc. no large changes in shore line were found. A rock shown on Chart 252 off Mosher's Point, bearing at mean high water is not there. ✓

*See par. 9 of
the Review
RJC*

Four sewer outlets have been made in the north end of Clark Cove. ✓

See Review of H-5880 (1935) par. 7b(6) regarding line of rip rap on T-2220 (1895)

LANDMARKS FOR CHARTS:

Landmarks for charts are listed under a separate report. ✓

BRIDGES:

There is one bridge across Apponaganset River in South Dartmouth. This bridge is of the old wooden swing span type. There are two openings, one on each side of the center abutment. The lateral clearance of each opening is 29 feet. The vertical clearance is $4\frac{1}{2}$ feet at mean high water when bridge is closed. ✓

STATISTICS:

Scale	1:10,000
Area in square statute miles	7.0
Statute miles of shore line	16.2

GEOGRAPHIC NAMES:

<u>Charted name</u>	<u>Recommended name</u>	<u>Source and remarks</u>
Apponaganset River	Apponaganset River	Chart & well established locally.
Great Island	Great Island	do
South Dartmouth	South Dartmouth	do
Ricketsons Pt.	Ricketsons Pt.	do
Moshers Pt.	Moshers Pt.	do
Clark Cove	Clark Cove	do
Clark Point	Clark Point	do

Respectfully submitted,

Victor A. Bishop
Victor A. Bishop,
Surveyor.

APPROVED AND FORWARDED:

Wm. D. Patterson
Wm. D. Patterson, Lieut.,
Chief of Field Party No. 5.

Graphic control sheet. Area covered by air photos now being reduced.

W. D. P.
W. D. P.

Date. Nov. 15, 1935

GEOGRAPHIC NAMES

Survey No. 6374Chart No. 249 and 1210Diagram No. 1210-2

Approved by the Division of Geographic Names, Department of Interior. *

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Apponaganset River</u>	same			
	<u>Great I.</u> <u>LITTLE I.</u>	1/6/37 STE GN 2 (1937)			
	<u>South Dartmouth</u>	"			
	<u>Ricketsons Pt.</u>	"			
	<u>Moshers Pt.</u>	"			
	<u>Clark Cove</u>	"			
	<u>Clark Pt.</u>	"			
	<u>Egg Island</u>				

Names underlined in red approved
by E.R.H. on 5/4/36

4 applies this name
to entire peninsula.

REVIEW OF TOPOGRAPHIC SURVEY No. 6374 (1935) Field No. D

Title (Par. 56) *South Dartmouth to Clark Point, Buzzards Bay, Massachusetts.*

Chief of Party *H. D. Patterson* Surveyed by *Victor A. Bishop* Inked by *G. R. Smith*

Ship *Field Party No. 5* Instructions dated *July 11, 1934* Surveyed in *April-May 1935*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.) ✓
4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
No contours are shown.
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.) *No contours are shown.*
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *None submitted.*
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)
Examined in connection with review of H-5880 (1935) Rpt. Feb 26, 1936.
Entire area see note A on back.
See Review of T-6357 (1935) relative to the Egg Islands.
10. The span, draw and clearance of bridges are shown. (Par. 16c.) ✓
11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

Note A.

the bare rock charted in lat. 41-35.54 long. 70-55.59 off Moshe's Point comes from T-2216(1895). It was not shown on the contemporary survey, H-2230(1895) and it falls in depths of about 10 feet on H-5880(1935) just off the ledge making out from shore. The topographer apparently was in the vicinity at or near low water and the evidence of the non-existence of this bare rock is considered conclusive. It should no longer be charted.

a 2½ foot depth was found by the present survey, H-5880(1935), on the rock in lat. 41-35.18 long. 70-55.76 where T-2216(1895) shows a sunken rock symbol

*See T-5601 and Review in discussion of discrepancies.

8/21/36 F. S. Eakin

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control. ✓
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMS and DPs, 68.) ✓
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *but there is no evidence that the* —
18. The geographic datum of the sheet is *North American 1927* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended.
** air photos are now being reduced. see Desc. Rep. page 3.*
23. The Chief of Party inspected and approved the sheet and the descriptive report. ~~after review by~~ —
24. Remarks:

Reviewed in office by *R. J. Christman, Feb. 26, 1936.*

Examined and approved:

B. H. Green.
Chief, Section of Field Records

L. O. Pollett.
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

G. H. Hude
Chief, Division of Hyd. and Top.