

6355

Original

U. S. COAST & GEODETIC SURVEY  
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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. F

6355

LOCALITY

Buzzards Bay

Aoushnet River

1935

CHIEF OF PARTY

Wm. D. Patterson.

U. S. GOVERNMENT PRINTING OFFICE: 1923

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY

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REG. NO.

Acc. No.

TOPOGRAPHIC TITLE SHEET

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

Field No. F

REGISTER NO. 6355

State Massachusetts

General locality Buzzards Bay.  
Aschuset River

Locality Aschuset  
Aschuset River

Scale 1:5000 Date of survey May, 1935.

Vessel Field Party No. 5

Chief of party Lieut. Wm. D. Patterson

Surveyed by D. S. Ling

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 "F" (Field Letter)

ACUSHNET RIVER, MASS.

1935

Project HT-179      Wm. D. Patterson      Chief of Party  
----- 0 -----

### INSTRUCTIONS:

This work was done under the Director's Instructions dated July 11, 1934.

### METHODS:

Standard Coast Survey plane table methods were used throughout this survey. No traversing was necessary and all signals were located by intersecting cuts. This survey was controlled by triangulation stations located with second order accuracy by Lieut. Wm. D. Patterson in 1934 and 1935. Since only one of the control stations could be occupied with the plane table, the graphic solution of the three point problem was used in carrying forward the secondary control. Sharp intersections were obtained in every case on this sheet.

### DESCRIPTION:

The north end of the city of New Bedford is along the western shore of the river and <sup>it</sup> is covered with a nearly continuous line of mill buildings and numerous high stacks. The eastern shore of the river is nearly all marshy. This marsh is covered with short marsh grass and some small scrubs and is firm underfoot. It is covered by about one-half foot of water at high tides but the high water mark is very indefinite and practically impossible to determine. The edge is usually abrupt with a one-half foot to one foot drop and this is the shore line that was rodged. The marsh is from 100 to 300 meters wide with rather hilly land behind it and portions of the towns of Oxford and Acushnet are here situated. There is no indication of any appreciable change in shore line in this area except artificial changes. For clearances under bridges shown see the hydrographic report for this section.

### GEOGRAPHIC NAMES:

Except for the names of cities and towns - New Bedford, Oxford and Acushnet - there are no local or charted names for any



geographic features in this area.

LANDMARKS FOR CHARTS:

Landmarks for charts are submitted in a separate report.

DESCRIBED  
TOPOGRAPHIC STATIONS:

All U. S. Engineer harbor marks in this area were searched for and those found were located and described on Form 524. The Hathaway Oil Co. wharf light was also described on this form. The U. S. Engineer's blue print showing harbor lines in this area is being forwarded with the topographic sheet. Notes as to marks found and those lost have been made on this blue print. BP 29227 X 30

STATISTICS:

Scale	1:5000
Area in square statute miles	1.5
Statute miles of shore line	7.0

Respectfully submitted,

*Daniel S. Ling*

Daniel S. Ling, Surveyor.

Approved and forwarded:

*Wm. D. Patterson*

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



Survey No. 6355 F

Date. Nov. 15, 1935

## GEOGRAPHIC NAMES

Chart No. 249 and 1210

Diagram 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>Acushnet</u> ✓	same			
	<u>Acushnet River</u> ✓	"			
	<u>New Bedford</u> ✓	"			
	<u>Oxford</u> ✓	"			
Names approved Dec. 16 1935					
	<u>Sluam Street Bridge</u>	<i>W. Platt</i>		<i>C. Egan</i>	
	<u>Coggeshall Street Bridge</u>	<i>8/12/36</i>			

## REVIEW OF TOPOGRAPHIC SURVEY No. 6355 (1935) FIELD No. F

Title (Par. 56)

Chief of Party *W.D. Patterson* Surveyed by *D.S. Ling* Inked by *C.R. Smith*Ship *Field Party No. 5* Instructions dated *July 11, 1934* Surveyed in *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.)  
*No traverse necessary; all signals were located by cuts.* ✓
4. ~~The amount of vertical control that the Manual specifies for contours-formlines was accomplished.~~ (Par. 18, 19, 20, 21, 22, 23.)
5. ~~The delineation of contours-formlines is satisfactory.~~ (Par. 49, 50.) ✓
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.) *Registered as blueprints Nos. 29229 and 29230* ✓
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.) *The reference to L.W. was omitted where rock symbols are shown on the sheet.* ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) ✓
10. *Vertical clearances given in D.R. H-5881 (1935)*  
~~The span, draw and clearance of bridges are shown.~~ (Par. 16c.)  
*This data not shown, but reference in the topo. report to H-5881 Rep. is made regarding data.*
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.



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.)

*No list of plane table positions submitted*

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.) *No evidence that the declination has been checked is in the report*

18. The geographic datum of the sheet is *N.A. 1927 (Unadjusted)* 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.

23. The Chief of Party inspected and approved the sheet and the descriptive report ~~after review by~~

24. Remarks:

Reviewed in office by

*G. P. Segari Mar. 4, 1936.*  
*Inspected by R. J. Christman, July 22, 1936.*

Examined and approved:

*C. J. T. Green*

Chief, Section of Field Records

Chief, Section of Field Work

Chief, Division of Charts

Chief, Division of Hyd. and Top.