DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

State: Massachusetts.

DESCRIPTIVE REPORT 6356
Topographic Sheet No. B

LOCALITY
Bassards Bay
New Bedford Harbor

1935

CHIEF OF PARTY
Wm. D. Patterson
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. "E" ..........................................................

REGISTER NO. 6356

State. Massachusetts ..............................................

General locality. Buzzards Bay ................................

Locality. New Bedford Harbor ...................................

Scale. 1:5000. Date of survey. May ........................., 1835.

Vessel. Field Party No. 5 ........................................

Chief of party. Lieut. Wm. D. Patterson ..................

Surveyed by. Daniel S. Ling ...................................

Inked by. G. A. Smith ...........................................

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

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


Remarks: ..................................................................

.................................................................
DESCRIPTIVE REPORT

To Accompany

TOPOGRAPHIC SHEET "B" (Field Letter)

NEW BEDFORD HARBOR, MASS.

1935

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

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 most of which were located or relocated by Lieut. Wm. D. Patterson in 1934 and 1935. A little difficulty was encountered on this sheet in getting sharp intersections due to some undetermined inaccuracy either in the projection or triangulation locations. It was definitely found that the 1875 location of Palmer Island Lighthouse was slightly in error, probably due to a very weak triangle. Since very few of the triangulation stations could be occupied with the plane table the graphic solution of the three point problem was used in carrying forward the secondary control.

DESCRIPTION:

The cities of New Bedford and Fairhaven are along the shores covered by this sheet so the entire shore line shows buildings, wharves, and slips, railroad yards, etc. Except for changes in the wharves and the filling in of small streams or marshy spots no change in shoreline was indicated. Due to the presence at nearly all set-ups of large masses of iron and steel, such as car wheels, rails, sheet metal buildings, etc. the magnetic meridian shown is probably somewhat in error. New Bedford and Fairhaven are connected with a triple bridge crossing at Fish and Pope Islands. For bridge clearances on these see the hydrographic report for this area.
GEOGRAPHIC NAMES:

The following geographic names which are shown in pencil on the sheet are all well established local names and are all shown on present charts:

City or Town names: New Bedford
Fairhaven
Oxford

Islands: Fish
Pope
Crow
Palmer

Point: Fort Phoenix

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. Other recoverable objects such as spires, stacks, etc., were also described on this form. The U.S. Engineer's blueprint 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 blueprint.

STATISTICS:

Scale 1:5000
Area in square statute miles 2.5
Statute miles of shoreline 18.0

Respectfully submitted,
Daniel S. Ling
Daniel S. Ling,

Approved and forwarded:
Wm. D. Patterson, Lieut.,
Chief of Party.
GEOGRAPHIC NAMES

Date: Nov. 15, 1935

Approved by the Division of Geographic Names, Department of Interior. *
Referred to the Division of Geographic Names, Department of Interior. R
Under investigation. Q

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<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
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Names approved Dec. 16, 1935

New Bedford - Fairhaven Bridge

[Signature]
REVIEW OF TOPOGRAPHIC SURVEY No. 6356 (1935) FIELD NO. E

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 1, 1934 Surveyed in May 1935

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 12, 16.)

2. The character and scope of the survey satisfy the instructions.

3. The control and closures of traverses were adequate. (Par. 12, 29.)

Note: necessary; all signals were located by cut.

4. The amount of vertical control that the Manual specifies for contours and offset lines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)

5. The delineation of contours and offset lines 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 blueprint, 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 symbol of W. M. was omitted where rock symbols are shown on the chart.

9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)

Occurring Survey show no rocks which were not located by the present survey except in those areas where artificial improvement has been made.

10. The span, draw and clearance of bridges are shown. (Par. 16c.)

Vertical Clearances given in D.R.H-5881 (1935)

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 of that the declinatons was checked 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
S. Rucciari Mar. 4, 1926.
Inspected by R.J. Christian, July 22, 1926.

Examined and approved:

C. F. Green
Chief, Section of Field Records

Fred. L. Beacock
Chief, Section of Field Work

O. R. Dillat
Chief, Division of Charts

Fred. L. Beacock
Chief, Division of Hyd. and Top.