

6624

U. S. COAST & GEODETIC SURVEY
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Form 504 Rev. Dec. 1933 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. T-4
State	Massachusetts
LOCALITY	
East Falmouth	
Bowen Pond Childs River to Falmouth Heights	
193 8	
CHIEF OF PARTY	
Chas. M. Thomas	

U. S. GOVERNMENT PRINTING OFFICE: 1934

6624

A 2-1/2 M

HEIGHTS, MASS.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

1209

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. T - 4

REGISTER NO. T6624

State Massachusetts

East Falmouth

General locality North Shore of Nantucket Sound

Bowen Pond Childs River to Falmouth Heights

Locality Shore line East of Falmouth Heights

Scale 1:10,000

Date of survey Aug. 10, to 31, 1938

Vessel Motor Vessel GILBERT

Chief of party Chas. M. Thomas

Surveyed by Lt. J. P. Lushene

Inked by Lt. J. P. Lushene

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated January 17, 19 38

Remarks: Lt. Lushene was transferred to the U.S.C. & G.S.S.
OCEANOGRAPHER before getting his Descriptive Report written,

which was written by the Chief of Party.

POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT TO ACCOMPANY SHEET T-4, A TWO AND ONE*HALF MILE
STRETCH OF SHORE LINE EAST OF PALMOUTH HEIGHTS, MASSACHUSETTS.

INSTRUCTIONS DATED JANUARY 17, 1938.

Survey made by Lieut. J. P. Lushene; Report made by
Lieut. Chas. M. Thomas, Chief of Party.

GENERAL DESCRIPTION

This short stretch of shore line is comparatively flat, and somewhat wooded. It contains inlets leading back into Great Pond, Green Pond, and Bowen Pond. The shore-lines of these ponds, however, not being shown on the topographic sheet, as it was not deemed necessary to take the time to locate them, due to the fact that this area had also been photographed from the air in July, 1938, for mapping purposes by this Bureau. Topography was done along this section merely for locating topographic signals, for controlling the launch and ship hydrography south of same. ✓

LANDMARKS

There are no prominent landmarks along this section of the shore-line. ✓

CHARACTER OF CONTROL USED

The character of control used on this two and one half section of shore line consisted of a planetable traverse run between DRAPER Azimuth Mark, 1934, and Triangulation Station BOWEN, 1934. This traverse line closed well within the required limits, needing no adjustment. The topographic stations were located by cuts and rod readings from plane table set-ups along the traverse line. Since this area had been originally surveyed and contoured about fifty years ago by this Bureau, and since it had recently been photographed from the air, for mapping purposes, no attempt was made to do any contour work on this sheet. The usual standard methods, as prescribed in the U.S.C. & G.S. Topographic Manual, S.P. No. 144, were used on this sheet, no departure having been made from the usual procedure. ✓

The topography on sheet ~~T-4~~ ^{T-6624} is a continuation to the eastward of that shown on Topographic Sheet No. T-3. ~~T-6623~~ ✓

No new names were given the natural features on this sheet. ✓

LIST OF PLANE*TABLE POSITIONS

See attached page.

LIST OF PLANE-TABLE POSITIONS

- FLU Latitude, $41^{\circ} 32'$; D.M., 1392 m; Longitude, $70^{\circ} 35'$; D.P., 690 m.
The station is the center of the tile flues of the chimney on a two story house. The house is the first house west of the Little Pond Inlet and on the Nantucket Sound Beach. The house is at the intersection of Elysian Ave., and Surf Drive and is a natural shingle house. The chimney used is the highest and largest one on the house. Being the first house west of Little Pond, makes it easy to recover.
- LOS Latitude, $41^{\circ} 32'$; D.M., 1254 M; Longitude, $70^{\circ} 34'$; D.P., 1250 m.
The station is the center of the south gable on the west side of the first house west of a rock jetty leading to Great Pond. The house is a two story rectangular house with natural shingle facing or siding, with a yellowish trim and green shutters. The house is the first house west of the inlet to Great Pond.
- YEL Latitude, $41^{\circ} 32'$; D.M., 1464 m; Longitude, $70^{\circ} 34'$; D.P., 769 m.
The station is the center of a large flat fireplace reddish brick chimney located on the west side of a light cream colored house with red trimmings. The house is a two story building and this chimney is the only large one in the vicinity. The house with its fairly characteristic paint scheme is conspicuous.
- CUS Latitude, $41^{\circ} 32'$; D.M., 1595 m; Longitude, $70^{\circ} 34'$; D.P., 679 m.
The station is the center of a brick chimney which is painted white. This chimney is on a white house with a green roof. The house is trimmed with green of the same shade as the roof. It is a two story house near the inlet of Green Pond.
- ARK Latitude, $41^{\circ} 32'$; D.M., 1678 m; Longitude, $70^{\circ} 34'$; D.P., 11 m.
The station is the center of a red brick chimney located in the center of a red roofed one-story bungalow. The bungalow is a natural color cypress shingled house located in a small grove of pine. There are only a few houses in this locality which makes this one very conspicuous.

Chas. M. Thomas.
Chas. M. Thomas,
Chief of Party.

Remarks

Decisions

1	<i>USGB decision</i>	<i>415 705</i>
2		<i>415 705</i>
3		<i>415 705</i>
4		<i>415 705</i>
5	<i>off limit of survey</i>	<i>415 705</i>
6		<i>415 706</i>
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GEOGRAPHIC NAMES

Survey No. **T- 6624**

Name on Survey	On Chart No. 1209	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
	A,	B,	C,	D	E	F	G	H	K
<u>Nantucket Sound</u>	✓								1
<u>Great Pond</u>	✓								2
<u>Green Pond</u>	✓								3
<u>Bowen Pond</u>	✓								4
childs River									5
<u>Falmouth Heights</u>	✓								6
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Names underlined in red approved
by RFE on 5/3/39

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT

~~ENCLOSURE~~

~~ENCLOSURE~~

No. T -6624

received **July 24, 1939**
registered **Aug. 1, 1939**
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	Lt. Reed
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✓ *9030*

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6624 (1938) FIELD NO. T-4

Massachusetts; East Falmouth;
Bowen Pond to Falmouth Heights
Surveyed in August 1938, Scale 1:10,000
Instructions dated January 17, 1938 (GILBERT)

Plane Table Survey

Aluminum Mounted

Chief of Party - C. M. Thomas
Surveyed and inked by - J. P. Lushene
Reviewed by - J. A. McCormick, January 30, 1941
Inspected by - H. R. Edmonston

1. Junctions with Contemporary Surveys

The junction with T-6623 (1938) on the west is satisfactory. There are no contemporary plane table surveys on the east but topographic maps of this area are now being compiled from air photographs.

2. Comparison with Prior Surveys

T-289 (1846), 1:10,000; T-1997 (1890-91), 1:10,000

High water line on the present survey agrees, within reasonable limits, with that on the old surveys. Changes at the mouths of the various inlets are to be expected. The present survey supersedes the older surveys in the common area.

3. Comparison with Chart 249 (New Print of Aug. 20, 1940)
Chart 1209 (New Print of July 2, 1940)

Topography now charted in this area is from the present survey.

4. Condition of Survey

Numbered stations in green were spotted by the field party for control of air photographs.

5. Compliance with Instructions for the Project

Satisfactory.

6. Additional Field Work Recommended

None.

7. Superseded Surveys

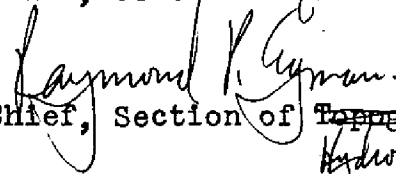
T- 289 in part

T-1997 " "

Examined and approved:



Chief, Section of Field Records



Chief, Section of ~~Topography~~
Hydrography



Chief, Division of Charts



Chief, Division of Coastal
Surveys