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U. S. COAST & GEODETIC SURVEY
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Jul 24 1939

Form 504 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. 2-3
State Massachusetts	
LOCALITY	
Falmouth	
Falmouth Heights to Nobska Point	
1938	
CHIEF OF PARTY	
Chas. M Thomas	

U. S. GOVERNMENT PRINTING OFFICE: 1934

8623

applied to chart 249. Aug. 18, 1939 J.H.S.

Applied to ch. 1210 - 11/28/39. P.B.O.

Only critical changes applied to chart 348. Mar. 8, 1941 J.H.S.
Fully applied ch. 348 Reconst. X.H.B. 2-2-57

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO.

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-3

REGISTER NO. **T6623**

State MASSACHUSETTS

General locality Falmouth
~~North Shore of Nantucket Sound~~

Locality Falmouth Heights to Nobska Point
~~Nobska Point to Falmouth Heights~~

Scale 1:10,000 Date of survey July 14 to 30, 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, 1938.

Remarks: Lt. Lushene was transferred to the U. S. C. & G. S.

Ship OCEANOGRAPH 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 TOPOGRAPHIC SHEET T-3, NOBSKA POINT TO
FALMOUTH HEIGHTS, MASSACHUSETTS.

INSTRUCTIONS, dated Jan. 17, 1938.

(Survey made by Lt. J. P. Lushene; ✓

Report made by Lt. Chas. M. Thomas, Chief of Party.)

GENERAL DESCRIPTION:

The coast in this vicinity is somewhat rolling, the land rising from the beach backward for a distance of about a half a mile or more to a height of over one hundred feet, the southwest part of this area being rather thickly wooded and containing many handsome summer estates. The northeastern part of this area along the shore-line, where the elevations are much less, and comparatively flat, contains Oyster, Salt, and Siders Ponds, and also Falmouth Inner Harbor, the latter being the only one of the four having a navigable connection to Nantucket Sound, capable of accommodating launches, yachts, and other comparatively small craft. ✓

The shore-line along the vicinity of this sheet is comparatively flat and sandy, with the exception of about one mile along the southwest part of same, where the shore-line is composed of low banks and small bluffs, partly wooded. ✓

The three principal landmarks on this sheet consist of the well known Nobska Lighthouse, located on the comparatively high bluff at Nobska Point. This lighthouse is a white, cylindrical structure, with a wireless tower nearby. The second landmark is the Woods Hole water tower, located on the top of the wooded hill, about 115 feet above mean sea level, and at the northeast edge of Woods Hole. This structure is about 80 feet high, cylindrical in shape, the upper third being of a brownish color, containing several small openings, the lower two-thirds being of a dark grayish color, the color of the outer concrete shell, which surrounds the inner steel standpipe, to which is attached the ladder for climbing the tank. This prominent landmark can be easily seen from most any direction from seaward. The third prominent landmark, and the most prominent one of the three, is the tall, aluminum colored standpipe on another prominent hill about a mile and a half southwest of Falmouth, Mass. The Woods Hole water tower and the Falmouth standpipe are about a half-mile and a mile inland from the Nantucket Sound shore-line. ✓

Wireless Tower shown on T-6622
Woods Hole 1934-35 is on water tower.
Tank.
All charted.

Other objects, less prominent, along the shore-line, are the hotels, and large summer residences and boarding houses at Falmouth Heights and vicinity, this resort being located on a small elevated bluff on the east side of the entrance to Falmouth Inner Harbor. ✓

Other prominent objects which can be seen from well offshore

consist of the white steeple of the Falmouth Congregational Church, about 1 mile inland; and also the tall black stack of the Robbins Laundry at Falmouth, about one-half mile inland. This stack is usually emitting a small amount of smoke. ✓

CHARACTER OF CONTROL USED:

The control used was obtained from the triangulations stations along the shore-line in this vicinity, viz: NOBSKA POINT LIGHTHOUSE, 1904, and DRAPER, 1934, a plane-table traverse having been run between these two which closed well within the allowable limits. ✓

Topographic stations were located by cuts and rod readings from plane table setups along the traverse line, the usual procedure being used in carrying on this survey as is prescribed in the U. S. C. & G. S. Special Publication No. 144. ✓

TOPOGRAPHIC CONNECTIONS

The topography at the southwest end of this sheet joins the topography on Topographic Sheet No. ^{T-2} ~~T-2~~, the topography on the east end of the sheet joining the topography on Topographic Sheet No. T-4 ^{T-6622 (1938)} ~~T-6624 (1938)~~. ✓

CONTOURS

Since the area had been photographed from the air in July, 1938 and had been originally carefully contoured when topographic surveys were made of this section of Cape Cod in 1889, no attempt was made to do any contouring on this sheet. Furthermore a sufficient amount of time was not available for making a contour survey of this area. ✓

NAMES

No new names were given any of the features on this sheet that differed from the present names on our U.S.C. & G.S. Charts. ✓

LIST OF PLANETABLE POSITIONS

See attached sheet.

LIST OF PLANETABLE POSITIONS

GAR: Latitude, $41^{\circ} 30'$; D.M., 1816 m; Longitude, $70^{\circ} 39'$; D.P., 389 m.
The station is the southern end of a ridge of a small two door garage of the U.S.L.H. Service at Nobska Point. The garage is south of the L.H. keepers dwelling and southeast of Nobska Light. The south end of the ridge of roof is the point used.

TIT Latitude $41^{\circ} 31'$; D.M. 205 m; Longitude $70^{\circ} 39'$; D.P. 486 m.
The station is the tip of a cupola on a very large mansion east of Nobska Light. The house has numerous chimneys. The Upper half of the house is cream colored stucco and the lower half is red brick. The trimmings of the house are green. All the chimneys have flues. The tip of the cupola on the house is the point located. The cupola is east of a water tank and flagpole which are on the property. The building is the only mansion of the above description in the vicinity. The building is north of the Falmouth Harbor shore and is east of a fresh water pond. It is necessary to circle the fresh water pond to enter the premises.

FLAT Latitude, $41^{\circ} 31'$; D.M. 373 m; Longitude $70^{\circ} 39'$; D.P., 100 m.
The station is the center of a square low chimney on the top of a very small house perched on a knoll. The mark is the only flat rectangular chimney in the vicinity. The mark is not very conspicuous.

CEN Latitude, $41^{\circ} 32'$; D.M., 392 m; Longitude, $70^{\circ} 38'$; D.P., 700 m.
The station is the center of a large gable of a large three story house, white, with dark green trimmings. The gable is on the south side of the house. The gable has four windows, two of which face south, one east, and one west. The southernmost tip of the gable is the mark used. The house is north of the Beach Drive and west of Oyster Pond Road. The house is the only one in the locality and is situated on a knoll of a small hill.

CHIM Latitude, $41^{\circ} 32'$; D.M., 424 m; Longitude, $70^{\circ} 38'$; D.P., 363 m.
The mark used is the center of a chimney on a two story low building, natural shingle, green roof, green colored shutters, white trimmed house southeast of the intersection of the railroad leading to Woods Hole and the Surf Drive, (Beach Drive). The house is the nearest house to the intersection of the Railroad and the Beach Drive.

SUN Latitude, $41^{\circ} 32'$; D.M. 964 m; Longitude, $70^{\circ} 37'$; D.P., 576 m.
The station is the center of a bright colored yellow sun-dial on the south face of a dark chocolate colored house. The house is three stories high with two gables, one on the east side and one on the west side, each with chimneys. The house is very prominent due to lack of other houses in the vicinity, and by its distinctive color. The center of the sun-dial is the mark used. This house is northeast of Mill Road and the Surf Drive and is west of the municipal Bathhouse of Falmouth.

GAB Latitude, $41^{\circ} 32'$; D.M., 1023; Longitude, $70^{\circ} 37'$; D.P., 356 m.

The station is the south side of a large gable on the south side of a large yellow house. The building is a large three *story* yellow house with dark green trimmings. It is the only yellow house in the vicinity. The building is west and north of the Municipal Bathhouse at Falmouth, and is on the north side of Surf Drive.

CUP Latitude, $41^{\circ} 32'$; D.M., 987 m; Longitude, $70^{\circ} 37'$; D.P., 185 m.

The station is the center of a small ball on the top of an aluminum colored roof on small white cupola of the Municipal Bathhouse of the Falmouth Park Department. The building is a bathhouse and is a long rectangular building of shingle with natural cypress color. The building is west of a small jetty which forms a sand beach making this area a rendezvous for the inhabitants of Falmouth. The cupola is a square tower, with four shutters which are painted green.

RICH Latitude, $41^{\circ} 32'$; D.M., 1086 m; Longitude, $70^{\circ} 36'$; D.P., 1322 m.

The station is a flagpole near the tennis court just west of station "MILL". It is several hundred yards east of station "CUP". The flagpole is north and east of the intersection of Shore Street and Surf Drive.

MIL Latitude, $41^{\circ} 32'$; D.M., 1073 m; Longitude, $70^{\circ} 36'$; D.P., 1246 m.

The station used is the center of the gable nearest the vane of a large red structure resembling a large dutch style windmill. The windmill is near a two story reddish colored house with corrugated red tile roof. The house and mill are just east of the Municipal Bathhouse Beach at Falmouth. The mill or vanes do not move and therefore ^{the} point selected which is the center of the gable near the vanes is permanent and cannot be moved. It is the only windmill on the beach or vicinity.

TIP Latitude, $41^{\circ} 32'$; D.M., 1133 m; Longitude, $70^{\circ} 36'$; D.P., 406 m.

The station is the center of the tip of the cupola on the roof of the Skipper Hotel. The hotel is very close to the Tower Hotel and is not as conspicuous as station "HOT". The cupola is a six-sided affair coming to a small knob which forms the tip of the cupola. The building is a low two story building. Near the cupola is a rock chimney which is an aid to its identity.

HOT Latitude, $41^{\circ} 32'$; D.M., 1133 m; Longitude, $70^{\circ} 36'$; D.P., 329 m.

The station is the flagpole on the tower on the east end of Tower Hotel in Falmouth Heights. The hotel is an enormous white building and is a three story wooden frame building. Arlington Ave., runs in front of the hotel. The tower holding the flagpole is on the tower near the east gable of the hotel. There is no tower on the west end or the west gable. The hotel shows very well off-shore. The flagpole cannot be mistaken, since there is only one tower.

66-3

END Latitude, $41^{\circ} 32'$; D.M., 1178 m; Longitude, $70^{\circ} 35'$; D.P., 1315 m.

The station is the weather vane on the tip of the tower on Terrace Gables Hotel on the high bluffs at Falmouth Heights. The hotel is northwest of the intersection of Surf Drive, and Quinapoxit Ave. The hotel is a large three story stucco building painted a cream shade and is on the opposite side of the street from DRAPER azimuth mark, 1934. The hotel is a rectangular building facing Surf Drive. The tower holding the weather vane, (the only tower on the hotel) is located in the central part of the hotel on the beach side.

BAL Latitude, $41^{\circ} 32'$; D.M., 1304 m; Longitude, $70^{\circ} 35'$; D.P., 1197 m.

The station is the tall flagpole on the southeast corner of the baseball field at Falmouth Heights near the intersection of Central Park Ave., and Surf Drive. The base of the flagpole is in a rock cairn filled with earth. The flagpole is the largest in the vicinity and visible for quite an area.

TEL Latitude, $41^{\circ} 32'$; D.M., 1411, Longitude, $70^{\circ} 35'$; D.P., 994 m.

The station is the flagpole on the southeast corner of the Park Beach Hotel. The hotel is a large three story shingle building at the northwest corner of the intersection of Worcester Park Ave., and Surf Drive.

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

Remarks.

Decisions

1		415706
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GEOGRAPHIC NAMES

Survey No. T-6623

GEOGRAPHIC NAMES										
Survey No. T-6623										
Name on Survey										
	A.	B.	C.	D.	E.	F.	G.	H.	K.	
<u>Falmouth Harbor</u>										1
<u>Oyster Pond</u>										2
<u>Salt Pond</u>										3
<u>Siders Pond</u>										4
<u>Falmouth</u>										5
<u>Falmouth Inner Harbor</u>										6
<u>Falmouth Heights</u>										7
<u>Nobska Point</u>										8
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Names underlined in red approved

by L. H. C. K. on 8/9/51

M 234-16

Names underlined in red approved
by L. Heck on 8/9/57

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOGRAPHIC~~

~~No. T- 6623~~

No. T- 6623

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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✓ *JR*

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6623 (1938) FIELD NO. T-3

Massachusetts; Falmouth; Falmouth Heights to Nobska Point
Surveyed in July 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

Satisfactory junctions were effected with T-6622 (1938) on the west and T-6624 (1938) on the east.

2. Comparison with Prior Surveys

T-191 (1845), 1:10,000; T-289 (1846), 1:10,000;
T-1858 (1888-89), 1:5,000; T-1997 (1890-91), 1:10,000

Agreement of present and prior surveys is good. Pier detail naturally differs somewhat and the entrance to Falmouth Inner Harbor has been cut through since the last previous survey. Otherwise, differences are of very small extent. The present survey supersedes the older surveys in the common area.

3. Comparison with Chart 249 (New Print of Aug. 20, 1940)
Chart 348 (New Print of Aug. 8, 1940)

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

4. Condition of Survey

Numbered stations in green are not mentioned in the descriptive report but are points spotted by the field party for the control of air photographs. Topographic maps of this area are now in the process of compilation.

5. Compliance with Instructions for the Project

Satisfactory.

6. Additional Field Work Recommended

None.

7. Superseded Surveys

T-191	in part
T-289	" "
T-1858	" "
T-1997	" "

Examined and approved:

Thosos Reed
Chief, Section of Field Records

Raymond L. Egan.
Chief, Section of ~~Topography~~
Hydrography

J. S. Borden
Chief, Division of Charts

G. V. de
Chief, Division of Coastal
Surveys