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Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. A, B1, B2. Office No. 6886 a, b, c.

LOCALITY

State New York & Massachusetts

General locality Long Island Sound, Nantucket Sound

Locality A. C.
Lloyd Point, Cotuit & West Bays,

B.
Monomoy Point.

194 2

CHIEF OF PARTY

(A) Bowie, (C) Deane, (B) Bowie

LIBRARY & ARCHIVES

DATE April 1, 1943

B-1870-1 (1)

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

16886a

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. A

REGISTER NO. **16886a**

State New York

General locality Long Island Sound

Locality Lloyd¹, Point

Scale 1" = 20,000 Date of survey October, 1942

Vessel U. S. V. GILBERT

Chief of party John Bowie, Jr.

Surveyed by L. G. Taylor

Inked by L. G. Taylor

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated September 15, 1942

Remarks: _____

DESCRIPTIVE REPORT

T6886a

to

Accompany Topographic Sheet A

Lloyd's Point, Long Island, N. Y.

Scale 1 : 20,000

Motor Vessel GILBERT

John Bowie, Jr. Chief of Party

October 1942

AUTHORITY:

This survey was authorized by Director's letter dated September 15, 1942, reference 22/IEK 1995 GI 4.

PURPOSE:

The purpose of the survey was to locate changes in the shoreline on Lloyd Point in the vicinity of triangulation station LLOYD POINT, 1882.

RESULTS OF SURVEY:

Considerable change was noted in the shoreline in the area surveyed. The survey was extended until a perfect junction was obtained with the latest edition of Chart No. 224. Dredging operations were in progress on the south side of the small harbor so that no time was spent in this area since the shoreline was being changed continually.

A plank road was located and is shown on the sheet.

A house located on a tip of land at the north side of the entrance to the small harbor was located and is shown on the sheet.

GENERAL DISCUSSION:

This sheet was superimposed on sheet B-2. The projection is shown in black on the sheet. All topography was accomplished on Oct. 20, 1942.

The projection is on N.A. 1927 datum.

LIST OF SIGNALS SHOWN ON SHEET:

LLOYD'S POINT, 1882
EATONS NECK L.H. 1932
GREEN LEDGE L.H. 1904
STALFORD HARBOR L.H. 1882

The recovery cards for these stations have been submitted
in a separate report on Triangulation in Long Island Sound.

Respectfully submitted,

Lorne G. Taylor

Lorne G. Taylor;
Deck Officer,
U.S.C. & G.S. MV GILBERT

Approved and Forwarded:

John Bowie, Jr.
John Bowie, Jr.
Commanding Officer,
U.S.C. & G.S. MV GILBERT

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. B-1

T6886 c

REGISTER NO.

State Massachusetts

General locality Nantucket Sound

Locality Cotuit and West Bays

Scale 1:10 000 Date of survey August, 19 42

Vessel Launch FARIS

Chief of party William F. Deane

Surveyed by Robert H. Randall, Jr.

Inked by Robert H. Randall, Jr.

~~Heights in feet above _____ to ground to tops of trees~~

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

Instructions dated January 17, 1938 amended March 9, 1942

Remarks: _____

DESCRIPTIVE REPORT

To Accompany Topographic Sheet B-1

Authority: The work on this sheet was done under authority of the Director's Instructions dated January 17, 1938, amended March 9, 1942. ✓

Scope: This survey, done by a party from the Launch FARIS, consists of the signals used for hydrographic control in Cetuit and West Bays and along Wianne and Peponesset Beaches, Mass., and established by graphic triangulation or planetable traverse, and of the high and low water lines in the areas where traverses were run. The locality is bounded by parallels of Latitude $41^{\circ} 34'$ and $41^{\circ} 38'$ and by meridians of Longitude $70^{\circ} 23'$ and $70^{\circ} 28'$. ✓

Control: Traverse was begun from station KID, previously established by a party from the M. V. GILBERT (see Descriptive Report, Sheet A-2), and continued to station PAW where a resection upon the triangulation stations Pierides Water Tank, 1934, and Oyster Harbors Water Tank, 1934, and the recovered topographic station ARK ended the line with no discrepancy in azimuth or distance. Thence graphic triangulation was extended into Cetuit and West Bays, the above triangulation stations serving as control, as well as the following: Cetuitport Church Spire, 1887-1934, Osterville Church, 1848-1934, and Byrnes Water Tank, 1934, with the recovered topographic stations LITE, OCK, OLE, and BUF. The remaining traverse, from recovered topographic stations LITE to MID, closed with no error. ✓

General: In all instances, standard procedure for planetable traverse and graphic triangulation was followed, all accepted stations being the results of good intersections and resections or lying on one of the two closed traverses. ✓

The high and low water lines of Peponesset and Wianne Beaches agree substantially with the shoreline delineated on beatsheet 6469, furnished by

T6886 c

the Office, minor changes probably being the result of the 1938 hurricane.
The symbols on Topographic Map 5741 representing vegetation seem still
valid throughout the areas visited. ✓

Statistics: Area, in square statute miles: 2.5 (Signals only-no shoreline)
 Traverse, in statute miles: 1.5
 Number stations located: 34

Respectfully submitted,

Robert H. Randall, Jr.

Robert H. Randall, Jr., Ensign,
U. S. Coast and Geodetic Survey

Forwarded and approved,

William F. Deane

William F. Deane,
Lieut., U.S.C.&G.S.
Commanding FARIS

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

~~CONFIDENTIAL~~

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. B - 2

REGISTER NO. **T6886 b**

State Massachusetts

General locality Nantucket Sound

Locality Monomoy Point

Scale 1:20,000 Date of survey August, 1942

Vessel M. V. GILBERT

Chief of party John Bowie, Jr.

Surveyed by L. G. Taylor

Inked by L. G. Taylor

~~Heights in feet above _____ to ground to tops of trees~~

~~Contour, Approximate contour, Form line interval _____ feet~~

Instructions dated August 1, 1942, 19

Remarks: _____

DESCRIPTIVE REPORT

T5886 b c

to

Accompany Topographic Sheet B-2

Monomoy Point, Massachusetts

Motor Vessel GILBERT

John Bowie, Jr., Chief of Party

Scale 1 : 20,000

August 1942

~~CONFIDENTIAL~~

AUTHORITY:

This survey was authorized by Director's letter dated August 1, 1942, reference 22/MEK, 1995 GI 4.

PURPOSE OF WORK:

The work was done to locate an additional signal GAB which is the east gable of a Coast Guard lookout station. This signal was needed for control of hydrographic surveys in the vicinity of Monomoy Point.

GENERAL DISCUSSION:

The projection of this sheet is shown by red lines on which is superimposed work done in Long Island Sound. The scarcity of these sheets made it necessary to put both projects on the same sheet.

The projection was made on N. A. 1927 datum.

The triangulation station, MONOMOY LIFE SAVING STA. N.E. CHIMNEY, 1886, had been destroyed by fire a short time before the survey work was done; however, it was possible to locate with certainty the NE Chimney in the ruins. Using this station the planetable was oriented and the signal GAB established.

The Chatham Coast Guard Station cooperated with us in this work by furnishing a beach wagon with low pressure tires and a driver to enable the topographic party to travel in the soft sand from Chatham to the working grounds on Monomoy Point.

T6886 b c

LIST OF SIGNALS APPEARING ON SHEET:

CHATHAM SOUTH L. H. , 1880

CHATHAM C.G. SIGNAL MAST, 1934

COAST GUARD STATION NO. 42, 1920

MONCLOY LIFE SAVING STATION N.E. CHIMNEY, 1886

MONCLOY POINT L. H., 1875

MONCLOY POINT COAST GUARD CUPOLA

Scaled from Chart 250

GAB (Located by Topography 1942)

East gable of Coast
Guard Lookout Tower

Respectfully submitted,

Lorne G. Taylor

Lorne G. Taylor,
Deck Officer,
U.S.C. & G.S. MV GILBERT

Approved and Forwarded:

John Bowie, Jr.
John Bowie, Jr.
Commanding Officer,
U.S.C. & G.S. MV GILBERT

Inspect by
R. H. Carstens
Aug. 13, 1943

Remarks

Decisions

1		
2		
3	Title only	
4		U.S.G.B.
5	"	409 734
6	Pending with U.S.G.B. Title only	416 704
7	"	"
8	Title only	415 700 U.S.G.B.
9		415 704
10		416 703
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GEOGRAPHIC NAMES

Survey No. 6886 A.B.C.

Name on Survey	On Chart No.	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>New York</u>									1
<u>Massachusetts</u>									2
<u>Long Island Sound</u>									3
<u>Nantucket Sound</u>									4
<u>Lloyd Point</u>									5
<u>Cotuit Bay</u>									6
<u>West Bay</u>									7
<u>Monomy Point</u>									8
<u>Poponesset Beach</u>									9
<u>Wianno Beach</u>									10
									11
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									26
									27

Names underlined in red approved
by h. Heck on 8/16/43

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

No. H

No. T 6886 A.B.C.

received
registered
verified
reviewed
approved

April 1, 1943

April 1, 1943

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
20			
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62			
63			
82			
83			
88			
90			

RETURN TO

82	R.W.Knox
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R.W.K.

DIVISION OF CHARTS

REVIEW SECTION - SURVEYS BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. 6886a

Field No. A

New York, Long Island Sound, Lloyd Point

Surveyed October 1942, Scale 1:20,000

Instructions - Letter dated September 15, 1942

Plane Table Survey

Aluminum Mounted

Chief of Party - John Bowie, Jr.

Surveyed by - L. G. Taylor

Inked by - L. G. Taylor

Reviewed by - R. H. Carstens

Inspected by - H. R. Edmonston, August 16, 1943

1. Junction with Contemporary Surveys

Shoreline of the present survey makes a satisfactory junction with the shore line charted on Chart 224, which originates with T-3566 (1915-16).

2. Comparison with Prior Surveys

T- 23 (1836) 1:10,000

T-1731 (1885) 1:10,000

T-3566 (1915-16) 1:10,000

The position of the shoreline has changed as much as 100 meters since the earliest survey was made. Changes have taken place in the position of the hook because of dredging and the construction of breakwaters. The inlet in Lat. 40°56.7'; Long. 73°29.1' has closed since the 1915-16 survey was accomplished. The present survey should supersede these prior surveys within the common area.

3. Comparison with Chart 224 (Latest print date 2-1-43)

A. Topography

The charted topography within the limits of the present survey originates with the previously considered surveys.

B. Aids to Navigation

No aids to navigation were located on the present survey.

4. Condition of Survey

Satisfactory.

5. Compliance with Instructions for the Project


Satisfactory.

6. Superseded Surveys

T- 23 (1836)	in part
T-1731 (1885)	" "
T-3566 (1915-16)	" "

Examined and approved:


Chief, Surveys Branch


Chief, Division of Charts

Chief, Section of Hydrography

Chief, Division of
Coastal Surveys

DIVISION OF CHARTS

REVIEW SECTION - SURVEYS BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. 6886c

Field No. B-1

Massachusetts, Nantucket Sound, Cotuit and West Bays
Surveyed in August 1942; Scale 1:10,000
Instructions dated January 17, 1938 and March 9, 1942

Plane Table Survey

Aluminum Mounted

Chief of Party - W. F. Deane
Surveyed by - R. H. Randall, Jr.
Inked by - R. H. Randall, Jr.
Reviewed by - R. H. Carstens
Inspected by - H. R. Edmonston, August 16, 1943

1. Junctions with Contemporary Surveys

The sections of shoreline make satisfactory junctions with the shoreline on T-6887b (1942) on the southwest and T-5741 (1938) on the east.

2. Comparison with Prior Surveys

T- 318 (1846)	1:10,000
T-1998 (1890-91)	1:10,000
T-5741 (1938)	1:10,000

The neck of land in Lat. $41^{\circ}35.9'$, Long. $70^{\circ}26.5'$ has extended northward a distance of $1/2$ mile since the earliest survey was accomplished and about 100 meters since the 1938 survey was made. Relatively unimportant shoreline changes have taken place at Wianno Beach. The present survey should supersede these earlier surveys for charting the shoreline.

3. Comparison with Chart 1209 (Latest print date 5-8-43)

a. Topography

The charted topography within the limits of the present survey originates with the previously considered surveys.

b. Aids to Navigation

The present survey position of charted aids to navigation is in satisfactory agreement with the charted position.

4. Condition of Survey

Satisfactory.

5. Compliance with Instructions for the Project


Satisfactory.


6. Superseded Surveys


T- 318 (1846)	in part
T-1998 (1890-91)	" "
T-5741 (1938)	" "

Examined and approved:


Chief, Surveys Branch


Chief, Section of Hydrography


Chief, Division of Charts


Chief, Division of Coastal
Surveys