

4697

Diag. Cht. No. 1213-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey

*Topographic*

Field No.

Office No.

*4697*

LOCALITY

State

*Connecticut*

General locality

*Norwalk*

Locality

*River to Long  
Neck Pt.*

*1932*

CHIEF OF PARTY

*S.B. Fenell*

LIBRARY & ARCHIVES

DATE

*December 23, 1932*

B 1870-1 (1)++

4697

applied to chart 221

revision of rocks, reefs + low water detail only

5/6/49 ROR

4697

U. S. COAST & GEODETIC SURVEY  
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JUL 10 1932

Acc. No. \_\_\_\_\_

4697

Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Conn. \_\_\_\_\_

DESCRIPTIVE REPORT

Topographic  
Hydrographic

Sheet No. "B" 4697

LOCALITY

Norwalk River to Long Neck Pt.

Long Island Sound

1932..

CHIEF OF PARTY

S. B. Grenell, Jr. U.S.C.G.S.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY  
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DEC 23 1932

Acc. No. \_\_\_\_\_

REG. NO. 4697

TOPOGRAPHIC TITLE SHEET

Aluminum mounted

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 \_\_\_\_\_

REGISTER NO. 4697

State \_\_\_\_\_ Connecticut \_\_\_\_\_

General locality \_\_\_\_\_ ~~XXXXXXXXXXXXXX~~ Long Island Sound \_\_\_\_\_

Locality \_\_\_\_\_ Ram Island to Long Neck Point \_\_\_\_\_

Scale 1:10,000 Date of survey \_\_\_\_\_ July \_\_\_\_\_, 1932

Vessel \_\_\_\_\_ Project HT-103 \_\_\_\_\_

Chief of Party \_\_\_\_\_ S. B. Grenell \_\_\_\_\_

Surveyed by \_\_\_\_\_ J. C. Partington \_\_\_\_\_

Inked by \_\_\_\_\_ " \_\_\_\_\_

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated \_\_\_\_\_ April 18, \_\_\_\_\_, 1932

Remarks: \_\_\_\_\_

DESCRIPTIVE REPORT  
to accompany  
TOPOGRAPHIC SHEET " B"  
NORWA LK RIVER TO LONG NECK POINT  
LONG ISLAND SOUND

INSTRUCTIONS:

This work was done in accordance with the Director's Instructions dated April 18, 1932.

CONTROL:

The third order triangulation stations determined in 1932 and recovered <sup>stations</sup> from previous surveys were used as controls for this survey.

In addition to the triangulation stations shown by the conventional symbol, the following aids to navigation were determined by triangulation and used as control:

Greens Ledge L. H.....1932  
Great Reef Bn.....1932  
White Rock Bn.....1932  
Long Beach Bn.....1932

JUNCTIONS:

This sheet joins Topographic Sheet "A" on the eastward and Topographic Sheet "C" on the westward.

SURVEY METHODS:

This work was done by the usual planetable methods using three point fixes wherever practicable. Traverses were run from Long Neck<sub>2</sub>, 1931, to Fish, 1932, and from Fish, 1932, to Bell I., 1932. Traverses were also run in Scott Cove, Five Mile River, and to the northward of Cedar Hammock, 1932.

All traverses checked well within the allowable error and all closures were adjusted.

All signals were located by three or more cuts or by two cuts and a rod reading. Rocks awash and buoys were located by three or more cuts. The amount which the various rocks and reefs bare was determined by noting the time the rocks were bare and reducing to mean low water by means of the tide marigrams on the gage at South Norwalk.

Low water was located in some places and this was done by rodding in the shoreline at the time of low water as taken from the predicted tide tables for South Norwalk.

The range of tide at South Norwalk is approximately 7 ft. For convenience the following designations may be used on rocks awash:

Bare 1 ft. and 2 ft. at L. W. .... Bare at low water

Bare 3, 4 and 5 ft. " " ..... Bare at half tide

Bare 6 ft. and 7 ft. " " ..... Bare at high water.

DESCRIPTION:

The shoreline from triangulation ~~MA~~ RSH, 1932, to Cedar ~~Hammock~~, 1932, is low and marshy. From Cedar Hammock to Wilson Pt. the shore is more steep and there is a moderate growth of trees back of the shore. The east shore of the cove north of Wilson Pt. is low but the west shore is more abrupt and partially covered with trees.

From Noroton Pt. to Fish Is. the shore is mostly rocky with occasional stretches of sand beach. From Fish Is. to Long Neck Pt. the shore is sandy except for the cove lying to the northwestward of topographic station ZIP which is steep and rocky.

The shoreline ~~is~~ of Scott Cove is marshy with occasional sand beaches. The west shore of Five Mile River is low and partially covered with trees. There are a number of small docks and piers along the east shore and the river ~~is~~ used as an anchorage for small craft.

3

The Fish Is. are low and marshy except for the outer island which is rocky and covered with trees. Sheffield I. is low and sandy and there is a boat landing on the north shore.

Tavern I. is rocky and there are a number of houses on the island.

About midway between Tavern I. and Wilson Pt. is a rock bare at low water. This rock is marked by a red spindle as also is the rock lying about 200 meters north by east of Little Tavern I. A sunken rock with a least depth of 2 ft. lies about 700 meters N.E. of triangulation station FISH. This rock is marked ~~is~~ ~~marked~~ by a black spindle. These three spindles are privately maintained.

#### NAMES:

The only new name suggested on the sheet is the island 1/4 mile north of Cedar Hammock. It is locally known as ~~Smith I.~~, Hoyt I.

Other islands which have local names are Sheffield I., locally known as Smith I., and Tavern I., locally known as Pilot I.

#### CHANGES:

Changes have occurred north of Hoyt I., at Bell I., Five Mile River, Butler I., and Scott Cove. These changes were made by local companies reclaiming land.

#### LANDMARKS:

List of landmarks are shown on Form 567, "Landmarks for Charts."

#### OMISSIONS:

The rock shown on chart 221 known as Old Pelt in Lat.  $41^{\circ}02'1282$  meters, Long.  $73^{\circ}25'1152$  meters, was seen and is known to exist. The position of this rock was not checked and it was not possible at the time the survey for this locality was made.

Approved:

*S. B. Merrill*

Respectfully,

*J. C. Partington*  
J. C. Partington,  
Jr. H. & G. E.

## RECOVERABLE TOPOGRAPHIC STATIONS

SHEET B. T4697

Name	Latitude °	D.M.	Longitude °	D.P.	Remarks
Man	41 04	542	73 24	811	White pole.
Yel	41 03	1781	73 25	682	Seaward chy on stone house.
High	41 03	1203	73 25	488	High flagpole-Tavern Id.
Low	41 03	731	73 24	513	White pole - Wood Id.
Dock	41 03	450	73 25	47	White flagpole.
Last	41 04	72	23 25	1363	White flagpole.
Star	41 03	1690	73 26	35	White flagpole.
Club	41 03	1468	73 26	63	Cupola - Yacht club.
Tin	41 03	1043	73 26	61	White flagpole.
Cup	41 03	678	73 26	38	Red cupola.
Mid	41 03	571	73 26	425	Short pole on dock.
Nay	41 03	872	73 26	1210	Prominent flagpole.
Fag	41 03	1316	73 26	1087	Flagpole.
Cap	41 04	2 °	73 26	979	Flagpole.
Ho	41 03	852	73 27	288	Flagpole.
Ben	41 03	543	73 27	390	Flagpole.
Black	41 03	200	73 27	100	Black spindle.
Son	41 03	310	73 27	812	Flagpole.
Tank	41 03	733	73 27	581	Green water tank.
How	41 03	256	73 28	97	Cupola on small pavilion.
Axe	41 03	103	73 28	257	Cupola on small pavilion.
Zip	41 02	1612	73 28	216	Black spindle.
Win	41 02	969	73 28	810	Cupola on small pavilion.
Ex	41 02	409	73 28	949	Prominent white circular bldg.



T 4697

	Remarks	Decisions
1		
2		
3		
4		
5		
6		
7		
8	T 20 has "Fish Island"	<u>pluch</u>
9	T 1737 has "Scotts"	<u>Scott</u>
10		
11	T 20 has "Butlers"	<u>Butler</u>
12		
13	USGS has "Five Mile" T 1737 has "Five mile" T 20 has "Five Miles"	<u>Five mile</u>
14		
15		
16		
17	T 19 has "Norvoton"	<u>Norvoton</u>
18		
19		
20		
21		
22		
23		
24		
25	T 1537 (1884?) had "L" for "I" was this an error, or did "L" actually stand for a word now lost?	<u>Little I. Hammock</u>
26		
27	T 1737 has "Keyser"	<u>Keyser</u>

# GEOGRAPHIC NAMES

Survey No. T4697

GEOGRAPHIC NAMES		Survey No. T 4697										
Name on Survey	T 20 On Chart No. 221 T 1213 On previous survey No. T 1737 On U. S. quadrangle Maps From local information T 1537 On local maps P. O. Guide or Map Rand McNally Atlas U. S. Light List DSCP											
	A	B	C	D	E	F	G	H	K			
Norwalk River	* ✓		✓	✓	✓		✓		✓	1		
Long Neck Pt.	* ✓		✓	✓			✓		✓	2		
Long Island Sound	* ✓		✓	✓	✓		✓		✓	3		
Great Reef	* ✓				✓				✓	4		
Old Baldy	* ✓				✓				✓	5		
Hiding Rks	* ✓				✓				✓	6		
Greens Ledge	* ✓	✓						✓	✓	7		
Fish Is.	* ✓	✓	✓	✓					✓	8		
Scott Cove	* ✓	✓	✓	✓					✓	9		
Tokeneke Park	* ✓									10		
Butler I.	* ✓			✓					✓	11		
Tokeneke Cr.	* ✓									12		
Fivemile R.	* ✓	✓	✓	✓			✓		✓	13		
Roton Pt.	* ✓						✓		✓	14		
Pine Pt.	* ✓	✓	✓						✓	15		
Bell I.	* ✓	✓	✓	✓						16		
Noroton Pt.	* ✓	✓	✓	✓					✓	17		
Wilson Pt.	* ✓	✓	✓	✓			✓		✓	18		
Sheffield I.	* ✓	✓	✓	✓	✓		✓		✓	19		
Sheffield I. Harbor	* ✓								✓	20		
Tavern I.	* ✓	✓	✓	✓	✓				✓	21		
Little Tavern I.	* ✓	✓		✓					✓	22		
Dog I.	* ✓				✓					23		
Little Hammock	* ✓				✓					24		
Little I. Hammock	* ✓				✓					25		
Wood I.	* ✓	✓			✓					26		
Keyser I.	* ✓	✓	✓	GN. 121						27		
Keyser Pt.	* ✓											

Names underlined in red approved by E. R. N. on 8/6/36

M 234

Names underlined in red approved  
by E. A. K. on 8/6/36

## Section of Field Records

Review of Topographic Survey No. 4697 (1932)

Ram I. to Long Neck Pt., Long Island Sound, Connecticut.

Instructions dated: April 18, 1932 (GRENELL)

Plane Table Survey - Aluminator Mounted

Chief of Party: A. B. Grenell

Surveyed by: J. C. Partington

### 1. Condition of Records

The records conform to the requirements of the Topographic Manual, with the following exceptions:

- a. Notes regarding rocks awash are in vertical letters whereas slanting lettering is required for all objects which cover at high tide.
- b. Recoverable Topographic Stations although listed in the Descriptive Report, were not submitted on Form 524.

### 2. Compliance with Instructions for the Project

The survey complies with the instructions for the project.

### 3. Junctions with Contemporary Surveys

Satisfactory junctions were made with T-4696 (1932) and T-4698 (1932)

4. Comparison with Prior Surveysa. T-19 (1835)

The shoreline agreement is good except where land reclamation has been responsible for changes. All rocks have been verified on the present survey with the exception of three reefs in the vicinity of Dog I. Lat. 41-03.5, Long. 73-24.6 which are being carried forward.

b. T-1537 (1884)

and Sheffield Island vicinity of this survey are in fair agreement with the present survey. The difference in shoreline is minor and is probably due to a different interpretation of M. H. W. Line rather than to changes as the shoreline in this vicinity appears to be quite permanent. Three reefs in Lat. 41-03.5, Long. 73-24.6 originating with T-19 (1835) and verified by the 1884 survey are being carried forward in red. In addition a rock awash in Lat. 41-03.6, Long. 73-24.6 is being carried forward in accordance with accepted methods of handling such features.

c. T-1737 (1885-86)

There is good agreement in the high water line of this survey with the present survey except where changes have occurred due to land reclamation (see D. R. page 3). A rock awash in Lat. 41-03.3 Long. 73-26.6 is being carried forward in red. A rock in Lat. 41-03.35 Long. 73-26.1 was not carried forward on

recommendation of the Hydrographic Reviewer because of evidence that old topographic location is incorrect. An island about 50 m. in diameter formerly shown inside of the high water line northeast of Keyser Pt. lat. 41-04.55 long. 73-24.5 is not shown on the present survey. In view of the failure to locate the ~~P.L.W.~~ Line either by topography or by hydrography there is some doubt as to the non-existence of the island.

d. T-2984 (1909) and T-3222 (1910)

These are revision surveys are Charts Nos. 267 and No. 268 respectively. The areas actually resurveyed were compared with the present survey and found to be substantially the same and no disagreement was found which requires mentioning.

#### 5. Field Drafting

The field inkings of the survey is satisfactory.

#### 6. Additional Field Work Recommended

~~It is recommended that the~~ existence or non-existence of the island in lat. 41-04.55 long. 73-24.5 ~~be~~ <sup>(see 707, 40)</sup> verified when additional work is done in the vicinity.

#### 7. Superseding old Surveys

Insofar as the topography actually covered on the present survey is concerned, it supersedes the following surveys for charting purposes:-

T-19 (1835) in part  
T-1537 (1884) " "  
T-1737 (1885-86) " "  
T-2984 (1909) " "  
T-3222 (1910) " "

See descriptive report  
T-5260 for  
discussion of  
differences with  
that sheet.  
T.M.P.

APPROVED

C. K. Green

Reviewed by W. J. Finkowski March 1935

REVIEW OF GRAPHIC CONTROL SURVEY T-4697, SCALE <sup>1:10,000</sup>

Date of Review May 12, 1937

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5360, , with particular attention to the following details:

- (a) Projection has been checked in the Field. ✓
- (b) Accuracy of location of plane table control points.  
*no common points located by photo plot.*
- (c) Discrepancies between detail on this survey and the air photo compilations listed above. -
- (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above. *no form 524 submitted*

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5260, , for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

Notes and corrections resulting from the review are shown on this survey in green. *no*

*Because of numerous additions and corrections to this survey, which are shown completely on photo compilation T-5260 that compilation should be used for chart compilation. ~~from~~ correct.*

*J. L. Hine f.  
May 12, 1937*