

4698

U. S. COAST & GEODETIC SURVEY  
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Form 504  
Ed. June, 1923

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

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

DESCRIPTIVE REPORT

Topographic  
~~Hydrographic~~

Sheet No. C

4698

LOCALITY

Long Neck Pt. to Stamford Har.

Long Island Sound

1932.

CHIEF OF PARTY

S. B. Grenell, Jr. H. & G. F.

applied to ch. 221 - revision of rocks, reefs, + low water detail only  
5/6/49 R.D.G.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

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

REG. NO. 4698

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. C

REGISTER NO. 4698

State Connecticut

General locality ~~WATERBURY~~ Long Island Sound

Locality Long Neck Point to Stamford Harbor

Scale 1:10,000 Date of survey August, 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 "C"

LONG NECK PT. TO STAMFORD HBR.  
LONG ISLAND SOUND

1932

INSTRUCTIONS:

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

CONTROL:

The following third order triangulation stations were used as control:

Long Neck<sub>2</sub> ..... 1931

Wallack..... 1931

Stamford L. H.....1931

Stack "B"..... 1930

In addition the following triangulation intersections stations located by one D. and R. were used as control:

Square.....1931      Stamford Y. C. Flagstaff.....1931

Cove Stack....1931      B. & W. Bn., Channel.....1931

Grass.....1931      B. & W. Bn. Front Range.. .....1931

Ray.....1931      R. & W. Bn. Rear Range.....1931

Elm.....1931      Gas.....1931

Cone.....1931      Fire.....1931

Lock.....1931

JUNCTIONS:

This sheet joins Topographic Sheet "B" on the eastward at Long Neck<sub>2</sub>, 1931, and extends to the west side of Stamford Harbor.

SURVEY METHODS:

This work was done by the usual planetable methods using three point fixes wherever practicable. A traverse was run from Long Neck<sub>2</sub>, 1931, to

2

Wallack, 1882, closing with an error of two meters which was adjusted. From Wallack, 1882, a traverse was run to Lock, 1931, closing with an error of two meters which was adjusted. From Lock the survey proceeded along the shore using three point fixes and short traverses.

All signals were located by three or more cuts or by two cuts and a rod reading. Buoys and offshore rocks were located by this method also. Where rocks were numerous as in the vicinity of Smith Reef, Shippan Pt., and Highwater Rock the rocks were located by rod readings.

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 gages at Stamford and South Norwalk.

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

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

Bare 3, 4 and 5 " " " .....Bare at Half Tide

Bare 6 ft. and 7 " " " .....Bare at High Water

#### DESCRIPTION:

The shoreline from Long Neck Pt. to the Darien River is low and sandy. The shoreline of the Darien River is low and marshy with a moderate growth of trees back from the shore. From the Darien River to Westcott Cove the shore is sandy with occasional stretches of rocky ledges. The land back of the shore is low and partially covered with trees. The shoreline of Westcott Cove is low and sandy. The small basin at the north end of the cove is used as an anchorage for small craft. From Westcott Cove to Shippan Pt. the shore is mostly sandy with about 1/4 mile of steep coast in the vicinity of Cove, 1931.

The shore of Stamford Harbor is sandy with marsh land on the east shore of East Branch. There are numerous rocks off Shippan Pt. and north of Stamford Harbor L. H.

CHANGES:

Changes have occurred in the vicinity of Noroton Neck, Peck Pt., and the west shore of Westcott Cove. These areas were formerly swamp but have been filled in to form fast land.

LANDMARKS:

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

AIDS TO NAVIGATION:

The only permanent aids to navigation which were located by topography are the two beacons in East Branch, Stamford Harbor, and the two fixed lights in Westcott Cove; viz, topographic stations DIM and BED. These four lights were located by three or more cuts.

Respectfully,

*J. C. Partington*  
J. C. Partington,

Jr. H. & G. E.

Approved:

*J. B. Howell*

## RECOVERABLE TOPOGRAPHIC STATIONS

SHEET C.

T4698

Name	Latitude		D.M.	Longitude		D.P.	Remarks
	°	'		°	'		
West	41	02	515	73	28	1156	N.W. corner of concrete dock.
So	41	02	868	73	28	1248	White flagpole.
Flag	41	02	1134	73	28	1332	White flagpole.
Bat	41	02	1252	73	29	306	Flagpole at yacht club.
Chim	41	02	1231	73	29	534	West chimney -stucco house
Roof	41	02	996	73	29	305	Cupola of small pavilion.
Sam	41	02	630	73	30	357	Black iron rod.
Red	41	02	583	73	30	663	White flagpole.
Sid	41	02	745	73	31	172	East spire of bath house.
<u>Bed</u>	41	02	510	73	31	386	Red lantern on black rod.
Ho	41	02	190	73	31	601	Brick chy -green roofed house
Dim	41	01	1489	73	31	6	Lantern on iron pole.
East	41	01	1351	73	31	200	E.gable of white bath house
Fun	41	01	507	73	31	474	Cupola of small pavilion.
Out	41	01	267	73	31	1030	White flagpole.
Pin	41	01	95	73	31	1129	Chy S. end of house.
La	41	01	127	73	33	646	Cupola of small pavilion.
Iron	41	01	1210	73	32	948	Iron flagpole.
① <u>Green Bn.</u>	41	02	214	73	32	257	Flashing green beacon.
② <u>Red Bn.</u>	41	02	503	73	32	4	Flashing red beacon.

T 4698

## Remarks

## Decisions

1		
2		
3		
4	not Peck's	<u>Peck</u>
5		
6		
7	state map has "Stamford Cove"	<u>Harbor</u>
8		
9	T20 has "Grassy" - In Stamford Harbor	<u>Gross</u>
10		
11		
12	T20 has "Sheppan"	<u>Shippan</u>
13		
14		
15		
16		
17		
18		
19	not "Nash" see E.R.H. 15 + G.N. 125.	} Pratt.
20	from Pratt I can walk via to another part sometimes called "Nash 2" but its use not recom. month, is being too confusing; must use original name, Pratt.	
21		
22	see letter and sketch from Gentry Co. - inner, Stamford, G.N. 124.	} <u>East Branch</u>
23	also the Stamford Harbor water, Capt. John Ryle, Jr. confirms this.	
24		
25		
26		
27	see line 22	<u>East Branch</u>



# GEOGRAPHIC NAMES

Survey No. T4698

Name on Survey	A	B	C	D	E	F	G	H	K	U.S.C.P.
<u>Long Island Sound.</u>	* ✓		✓	✓	✓		✓	✓	✓	1
<u>Harbor Ledge</u>	*								✓	2
<del>Stamford L.H.</del>		see line 26								3
<u>Peck Point</u>	*	✓	✓	✓	✓	DGN				4
<u>Davenport Point</u>	*		✓						✓	5
<u>Cook Point</u>	*		✓						✓	6
<u>Stamford Harbor</u>	* ✓	✓	✓	✓	✓				✓	7
<u>Jack I.</u>	*		✓							8
<u>Grass I.</u>	*	✓	✓						✓	9
<u>Pine I.</u>	*		✓							10
<u>Forked Rock</u>	*		✓						✓	11
<u>Shippan Point</u>	* ✓	✓	✓	✓	✓		✓		✓	12
<u>Smith Reef</u>	* ✓			✓					✓	13
<u>Bald Rock</u>	*								✓	14
<u>Long Neck Point</u>	* ✓	✓	✓	✓			✓		✓	15
<u>Darien River</u>	* ✓		✓							16
<u>The Gut</u>				✓					✓	* 17
<u>Noroton Neck</u>	*									18
<u>Pratt I.</u>				✓						19
<u>Cove Harbor</u>	*								✓	20
<u>Westcott Cove</u>	* ✓	✓	✓	✓	✓				✓	21
<u>East Branch</u> <sup>8/10</sup> <sub>1945</sub>	* ✓			✓	✓				✓	22
<u>Ware I.</u>	*									23
<u>Stamford</u>	* ✓	✓	✓	✓	✓	✓	✓		✓	24
<u>Noroton</u>	* ✓		✓			✓	✓			25
<u>Stamford Harbor L.H.</u>			✓						✓	26
<del>Stamford L.H.</del>			✓						✓	27
<u>White Rock</u>									✓	M 234

Names underlined in red approved  
on 8/6/36

T 4698 a

	Remarks	Decisions
1		
2		
3		
4		
5		
6		
7		
8	T20 has "Grassy" In Stamford Harbor	<u>Grassy</u>
9		
10	T20 has "Sheppan"	<u>Shippan</u>
11		
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# GEOGRAPHIC NAMES

Survey No. *T4698a*

GEOGRAPHIC NAMES										
Survey No. T4698a										
Name on Survey	<div>On Chart 221 No. 1213</div> <div>On previous No. 7707</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div> <div>USCP</div>									
	A	B	C	D	E	F	G	H	K	
<u>Stamford Harbor L.H.</u>	*		✓					*	—	1
<u>Long Island Sound</u>	*	✓	✓	✓	✓		✓	✓	✓	2
<u>Peck Point</u>	*	—	✓	✓		DGN				3
<u>Cook Pt.</u>	*		—						✓	4
<u>Davenport Point</u>	*		✓							5
<u>Pine I.</u>	*		✓							6
<u>Jack I.</u>	*		✓							7
<u>Grass I.</u>	*	—	✓						—	8
<u>Stamford Harbor</u>	*	—	✓	✓	✓				✓	9
<u>Shippan Point</u>	*	✓	✓	✓	✓	✓		✓	✓	10
<u>Westcott Cove</u>	*	✓	✓	✓	✓	✓			✓	11
<u>Cove Harbor</u>	*									12
<u>Westcott</u>	*		✓			✓				13
<u>Ware I.</u>	*									14
<u>Stamford</u>	*	—	✓	—	✓	✓	—	—	✓	15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
Names underlined in red approved										26
by <u>C.P.M.</u> on 8/6/36										27

## Section of Field Records

Review of Topographic Survey No. 4698 (1932)

Long Neck Point to Stamford Hbr., Long Island Sound, Connecticut  
Survey: August 1932

Instructions dated: April 18, 1932

Plans Table - Aluminum Mounted

Chief of Party: A. B. Fennell

Surveyed by: J. C. Partington

### 1. Conditions of Records

There is attached to this sheet, T-4698a (1933) which contains additional work executed to furnish additional work called for on a Boat Sheet, additional work H-5222 (1933). It was not deemed necessary to make a separate review of T-4698a because it had fully covered in the review of the hydrographic survey of this area H-5222 (1932-33). However, it was investigated in connection with the disposal of rocks shown on the old topographic surveys.

The records of T-4698 (1932) conform to the requirements of the Topographic Manual with the following exceptions:

- a. Recoverable Topographic Stations, although listed in the Description Report were not submitted on Form 524.
- b. Notes regarding rocks which cover at high water should have been in slanting letters instead of the vertical letters which were used.

(2)

2. Compliance with Instructions for the Project  
with the additional work which was executed  
on T-4698a (1933), this survey complies with the  
instructions.

3. Junctions with Contemporary Surveys  
Satisfactory junctions were T-4697 (1932)  
on the east and with T-6022 (1933) on the west

#### 4. Comparison with Prior Surveys

a. T-20 (1836)

The agreement in the survey is satisfactory where changes have not occurred. No rocks or reefs are shown on the old survey which have not been verified on the present survey except for a sunken rock in lat. 41-01.8 long. 73-32.2 which was carried forward in red. The old survey shows more marsh land than exists now due to filling in (see D. R. page 3)

b. T-1737 (1885-86)

This survey is in good agreement with the present survey except where changes have occurred due to filling in of swamp land. It is worthy of note that there is no ~~marsh~~<sup>marshy</sup> symbol outside of the high water line as shown on the former survey. This probably indicates that the earth for filling in was obtained from outside the high water line.

All rocks shown on the prior survey have been verified either on T-4698 or on T-4698a with the exception of the rock in Lat 41-02.25 Long 73-29.05 and the two rocks in Lat. 41-02.15 Long 73-30.25 which have been thoroughly investigated in the Additional work of H-5222 (1933) and are indicated on the hydrographic survey with a minimum depth of 2 ft. The <sup>that 2 ft. soundings are plotted</sup> recommendations of the Hydrographic Reviewers are accepted and the rock awash symbol is not carried forward.

A reef symbol originating with T-1737 in Lat 41-02.3 Long 73-30 had been verified by the contemporary hydrographic party and, it is

(4)

carried forward in red to show its origin.

The rock outcropping in Lat. 41-02.75 Long. 73-29.95 was not located on the present survey. Since this outcropping is shown inside the low water line on the old survey it is possible that it was covered at the time of the present survey. It has been carried forward. \*

C. T-3222 (1910) and T-3762 (1912)

There are revision surveys on charts. - The revised shoreline agrees very well with that shown on the present survey except where there has been additional filling in since the time of the old survey. A few additional rocks are now shown and some of the old docks no longer exist and a few new ones are now built.

#### 5. Field Drafting

The field inking of the survey is satisfactory.

#### 6. Additional Field Work Recommended

with the additional work executed on T-4698a<sup>(1933)</sup> the survey is complete and no additional work is required.

#### 7. Superseding old surveys

Insofar as the topography actually included in this present survey is concerned, it supersedes the following surveys for charting purposes.

T-20 (1836) in part  
T-1737 (1885-86) " "  
T-3222 (1910) " "  
T-3762 (1912) " "

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

Reviewed: *W. J. Ashworth* April 1934  
\* Amendment in red by A. E. Shalant May 18, 1937.

APPROVED

C. K. Green

REVIEW OF GRAPHIC CONTROL SURVEY T-4698, 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-5260, , with particular attention to the following details:

- (a) Projection has been checked in the Field. —
- (b) Accuracy of location of plane table control points.
- (c) Discrepancies between detail on this survey and the *no common points located by photograph* 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 for area covered, that compilation should be used for chart compilation*

*The same statement applies as regards T air photographic survey T-5259*

*J. H. Hines  
May 12, 1937*

*BGG 8/11/38*