

83  
SHA  
1698b

1698<sup>b</sup>

C. & G. SURVEY,  
LIBRARY AND ARCHIVES  
FEB 3 - 1915  
Acc. No.

Diag. Sht. No. 1213-2

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

*O. S. Tuttleman*  
Superintendent.

State: *Conn*

DESCRIPTIVE REPORT.

*Hyd.* Sheet No. *1698<sup>b</sup>*

LOCALITY:

*Sheffield I. to  
Stamford Lt.*

1914

CHIEF OF PARTY:

*Paul C. Whitney*

11-4045

1698b

DESCRIPTIVE REPORT  
to Accompany Hydrographic Sheet No. 1698<sup>B</sup>  
ALONG NORTH SHORE LONG ISLAND SOUND  
Sheffield<sup>Is</sup> Island to Stamford Light

Connecticut

August - November

1914

U.S.S. HYDROGRAPHER

Scale 1/10,000

The hydrography on this sheet was executed in accordance with instructions of May 14, 1914.

The boat sheet used was a bromide print of the original hydrographic sheet, executed in 1856, by Lt. D. D. V. Stuart, U.S.N., and accompanies this report as the smooth sheet. On the bromide there were drawn, by the Office, splits to be run and special developments to be made, all of which were executed.

The signal locations depend upon sextant angles observed from triangulation stations shown on the bromide. The signals used were cupolas, spindles, lights, etc. They are described and the angles recorded in a volume accompanying this report. All permanent wharves and other improvements along the water front not now shown on the chart, were out in and are plotted on the sheet in red ink.

On this sheet there was located several hitherto uncharted shoals, as follows:

A rocky ledge, about 20 yards long in a general north and south direction and about 5 yards wide, with a least depth of  $\frac{1}{2}$  foot over it, which lies about 300 yards ESE $\frac{1}{4}$ E (mag.) from the southern end of Davenport Point. See volume 1, page 44.

A rocky shoal of small extent, with a least depth of 21 feet surrounded by 30 feet, 1  $\frac{1}{8}$  miles SEExE $\frac{3}{4}$ E (mag.) from the outer extreme of Shippan Point.

See volume 2, pages 52 and 54.

✓ A rocky patch about 150 yards in extent, with a least depth of 14 feet near its southern end, about 1 mile ESE  $5/8$  E (mag.), from the outer extreme of Shippan Point. A 14-foot sounding was obtained near the northern end of the patch about 125 yards NE  $3/8$  N (mag.) from the 14-foot spot. See volume 3, pages 2, 43 to 47.

✓ A narrow rocky ledge about 20 yards long in a general north and south direction, with a least depth of 12 feet over it surrounded by from 22 to 23 feet of water, 1- $3/16$  miles W  $1/8$  N (mag.) from Greens Ledge Lighthouse. See volume 5, page 48.

A patch of very small extent, with 4 feet over it, lies near shore just outside the 12-foot contour, about 1- $3/8$  miles WxN (mag.) from Greens Ledge Lighthouse. See volume 5, pages 2 and 3.

✓ A least depth of 4 feet, rocky bottom, was obtained near the charted 6-foot spot southwestward of Fish Islands, about 1975 yards WNW  $1/8$  W (mag.) from Greens Ledge Lighthouse. See volume 5, page 48.

✓ A least depth of 2 feet, rocky bottom, was obtained near the charted 5-foot spot southwestward of Fish Islands, about 1 mile WSW  $3/16$  W (mag.) from Greens Ledge Lighthouse. See volume 5, page 49.

✓ A narrow rock ledge of <sup>about</sup> 5 yards long in a general NNE and SSW direction, with 3 feet water over it lies near the shore west of Five Mile River, about  $7/8$  mile NxW $1/2$ W (mag.) from Greens Ledge Lighthouse. See volume 4, pages 48 and 49.

These shoals were reported to the Office and were published in the Notices to Mariners. In addition to these there were located other rocky patches that were not considered dangers, and were not reported.

The great number of suspicious spots that were found with the lead line alone, shows the prime necessity of wire dragging this area, as the true number of shoals will be gained in no other way.

STAMFORD HARBOR --

Various dredging improvements have been made in this area since the date of the old survey, but as these changes have been corrected by the surveys of the Army Engineers, no attempt was made to re-cover this, excepting a single sounding line was run on the ranges up Ship Canal and to the seawall at the head. A rock was located close to "Ter", Ship Canal Lower Light, which is very close to the channel and being right at the turn is a little dangerous at extreme low water. On the Mill Creek side lines were run as far up as black spar No.9. Pine Island Range was sounded out and the area between it and the Shippan Point shore sounded, to cover certain dredged out areas, used in filling along the shore, especially at the extreme southern point. All buoys were located.

SHIPPAN POINT to LONG NECK --

The lagoon back of Shippan Point has been filled in and is now part of an estate. Several residences are in course of erection along the shore. A rock marked by an iron pipe is located midway between Pan and Jac. Its position is on page 15, volume 6, angle 33.

In Wescott Cove a good deal of dredging and filling has been going on in forming a public park for the City of Stamford. Channels have been dredged and the material placed behind retaining walls. These channels are shown on the sheet. A few lines were run in them to show the depths. They are used only by small gasoline and pleasure boats, run in connection with the park. The sewer outlet of Stamford was located and is shown. It is the usual pipe construction laid down on the bottom and is now in places partly covered. Its diameter is about three feet. The sewer divides at the outlet and runs toward shore in two pipes; the shore end of each part being located. A private breakwater runs off the S.W. point and to the N.W. a retaining wall has been built and dredged material placed behind it. At

At Wallack Island three private breakwaters have been built, as shown.

Lines were run off the entrance to the Cove, south of Holly Pond. This little harbor is the seat of a large dye ~~and wool~~ establishment, and vessels drawing 15 feet are brought into the harbor. The present channel used is to the eastward of a group of rocks thence northwestward to the entrance, the north side of the dredged out being marked by dolphins which were located. At the request of the president of the dye works I ran lines to the westward of the group of rocks, to find out the feasibility of dredging a straight channel southward from the southern dolphin. A channel thus cut would be free from turns, and strike the 15-foot curve sooner than the channel now used. The question of feasibility, cost and whether the government would co-operate are the factors which will determine whether the channel would be dug. A large group of uncovering rocks, west side of Long Neck, shown as a band correction on the chart was located. Various spots of suspicious nature were sounded over.

LONG NECK to SHEFFIELD ISLAND --

New wharves were located east of Long Neck and a stone dyke has been built across a small bight northward of these wharves. In the cove to the westward of Scotts Cove a basin has been dredged to nine feet at low water for a private yacht landing. This area is contained in the area limited by a blue line drawn on the sheet. A small private range is maintained during the summer for clearing the rocky patch to the eastward of the island on the port going in. The range-line is drawn in a dotted red line.

A small curved breakwater is located at the western point of the first bight west of Five Mile River.

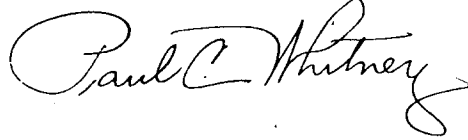
A complete description of the area in the vicinity of Wilson Point will be found in the descriptive report accompanying hydrographic sheet Cockenoe's Island to Sheffield Island. All buoys and aids were located.

Tides for the reduction of the soundings were read on the staff erected

at the Stamford Yacht Club pier. The plane of reference is 2.0 feet on staff.

Six volumes of soundings, two volumes of tides and one level record accompanies this sheet and report.

Respectfully submitted,

A handwritten signature in cursive script, reading "Paul C. Whitney". The signature is written in dark ink and is positioned above the typed name and title.

Assistant, U.S.C. & G.S.,  
Chief of Party,  
Comdg. Str. HYDROGRAPHER.

GENERAL LOCALITY: Along North Shore of Long Island Sound.

SPECIAL LOCALITY: Sheffield Island to Stamford Light.

OFFICER IN CHARGE: Paul C. Whitney.

CHIEF OF PARTY: Paul C. Whitney.

BOAT USED: Launch No.51 -- VESSEL: Str.HYDROGRAPHER.

DATE: August - October 1914.

SCALE: 1/10,000.

LIST OF STATISTICS

Hydrographic Sheet No. \_\_\_\_\_

ALONG NORTH SHORE OF LONG ISLAND SOUND

Sheffield Island to Stamford Light

Connecticut

Str. HYDROGRAPHER

1914

Scale 1/10,000

1914	Letter	Vol.	Miles	Positions	Soundings	Vessel
Aug. 18	a	1	5.5	64	275	Launch No. 51
19	b	1	10.75	129	570	"
20	c	1	7.0	102	440	"
21	d	1	5.0	66	345	"
22	e	1	3.4	38	180	"
22	e	2	0.1	2	13	"
24	f	2	14.0	177	830	"
27	g	2	9.5	118	570	"
31	h	2	6.2	98	474	"
31	h	3	2.0	25	120	"
Sept. 1	k	3	8.2	123	595	"
2	l	3	7.25	163	561	"
3	m	3	6.25	129	582	"
3	m	4	1.25	13	75	"
4	n	4	11.5	145	621	"
5	p	4	5.25	61	282	"
12	q	4	1.0	13	66	"
14	r	4	11.3	92	453	"
15	s	4	4.0	60	187	"
15	s	5	6.0	80	313	"
16	t	5	13.75	174	756	"
17	u	5	9.0	91	435	"
18	v	5	11.5	94	372	"
18	v	6	1.25	22	48	"
21	w	6	4.1	30	148	"
22	x	6	---	3	3	"
Oct. 9	y	6	1.0	33	138	"
10	z	6	4.0	50	289	"
Totals			170.05	2195	9741	

**TIDAL DATA:** Tide staff at Stamford Yacht Club pier, Stamford outer harbor.  
Plane of reference reads 2.0 feet on staff.



VEC  
Mar. 1, 1915  
L. P. S.

HYDROGRAPHIC SHEET 1698b.

Long Island Sound, Sheffield Island, to Stamford Light,  
Conn., by Asst. P. C. Whitney in 1914. .

TIDES.

	Stamford Yacht Club ft.
Mean low water, or plane of reference on staff	2.0
Lowest tide observed " "	0.2
Highest " " " "	10.9
Mean range of tide	7.3

applied to chart 222 - edgs. to fill holidays only - April 1949 - R D G