

U'S, COAST & GEODETIC SHREYY
LIBRARY AND ARCHIVES

FEB 20 .934

Acc. No.

Graphic Control

	Form 504 Ed. June, 1928						
DEPARTMENT OF COMMERCE							
U. \$	S. COAST AND GEODETIC SURVEY						
R.S. Pattorpiredor							
	-						
l							
State: New	York						
DESC	RIPTIVE REPORT						
Topographic	2)						
Hydrograph	Shoot No. 1.1122						
	LOCALITY						
Long	Island Sound						
Mianus to	Great@captain_Teland.						
Str. Co.	Too hall follows of the Tarre						
1.32.50	samuse invital in it is a committee						
	<u> </u>						
	<u></u>						
	193 3						
·	1 73 J						
	•						

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET A

SOUTH SHORE OF CONNECTICUT FROM STALLFORD HARBOR LIGHT HOUSE TO BYRALI HARBOR

Instructions:

This survey was executed in compliance with the Director's Instructions dated March 23, 1933, Project HT-134.

Scope:

The sheet comprises the south shore of the State of Connecticut from the west side of Stamford Harbor to the west side of Byram Harbor.

Control:

Second order triangulation supplemented by control of third order accuracy was used for control on this sheet.

Method:

The usual plane-table method of topographic survey was used throughout. All traverses closed well within the allowable and the closures were so small that the adjustments were hardly discernible. Three point fixes were rarely used because of the lack of control in inland waterways.

Off lying features such as rocks, etc., were located by telemeter readings.

General Description of Coast Surveyed

The shore on the west side of Stamford Harbor north of the narrow neck leading to Greenwich Point is fringed with rock reefs and rock strewn areas interspersed with mud in the protected bights. The shore line south of the aforementioned area and extending to Greenwich Point is of sand. The seaward sides of Greenwich Point and Flat Neck Point are bordered by rocky areas. The highwater line is bordered by trees and grass.

In general, Greenwich Cove has a low water coast of marsh and mud; Pelican Island being the only sand formation in the Cove. Elias and Todd Points are bounded by rock ledges and areas of boulders. The prevalence of estates in this vicinity causes the area back of the high water line to be composed of trees and well kept lawns.

Cos Cob Harbor has a coastline of mud and marsh throughout its extent. The area back of high water is composed of trees and grass, giving way to buildings in the upper portion of the harbor. The New York, New Haven, and Hartford Railroad has a drawbridge across the Mianus River in Cos Cob Harbor; this is the only railway bridge located on Sheet A.

From Goose Island, on the west side of Cos Cob Harbor, to Tweed Island at Chimney Corner the coastline has a low water area of rocks and rock reef. The highwater line is bordered by estates on the eastern portion but has an area of

grass and trees near Chimney Corner.

Chimney Corner is a marsh and mud area, the highwater line being bounded by trees and grass on the east side and houses on the West. Indian Harbor is also a myd and marsh area, but the points on the sides at the entrance are rocky. The highwater line on the east side is composed of estates and on the west side of houses in the Village of Greenwich.

The harbor of Greenwich has a low water line of marsh and mud except where docks and bulkheads make the high and low water lines coincident. The easterly and northerly sides of the harbor have buildings on the high water line, while the east side is bordered by trees and grass.

The coast line from Round Island to the east side of Byram Harbor is generally rocky. The high water line is bounded by estates.

Byram Harbor is choked with marsh and mud and the high water position is composed of marshy areas on the northeast side and of estates on the west. A small stretch of sandy beach is to be found on the west side.

All off lying islands are rocky with the exception of a stretch of sand on the north side of Little Captain Island. The islands in the inshore area are bordered by marsh or mud as a general thing.

Statistics:

Kiles of shore line	52.2 (statute)
Area in miles	7.5 (statute)
Miles of roads Number of rocks	3.5 (statute) 104
Number of Topographic Signals	107
Number of Set-ups Miles of low water shoreline	131 50.2

Landmarks:

Harold alotton Chief of Party No.3

All land-marks located on this sheet are listed on the form "Landmarks for Charts."

Respectfully,

William F. Deane

Aid.

MEMORANDUM BY CHIEF OF PARTY

To accompany Topographic Sheet "A" (H.A. Cotton - 1933)

LOW WATER LINE

In common with other topographic sheets executed during the present (1933) field season it was impracticable to locate much of the low water line by launch drography. Most of this shore line is strewn with off lying boulders and it was not considered safe to extend hydrography inside the low water line even during periods of high water.

Accordingly, the location of the low water line on all these topographic sheets was a distinct job in itself, i.e., it was necessary to visit the entire low water area during periods of low water and to locate the low water line with due regard to existing tidal conditions. Low water examination also made in this area by Hydrographic parties.
PROMINENT OBJECTS - "LANDMARKS"

A great number of extensive estates are located over the area covered by the topographic sheets executed during the present (1933) season. Some of the large buildings on these estates comprise the most promiment objects of the landscape. This is particularly true where such buildings have bright red tile roofs; others with green, blue or gray tile roofing are also very prominent.

As these buildings are not only of outstanding prominence but also have particular promise of permanency it is believed that the charts should show a reasonable number of them. Accordingly the principal objects of this character have been listed at frequent intervals on Form 567 "Landmarks for charts". In each case a particular point of the roof in question has been noted.

CONNECTION WITH WORK OF U.S. ENGINEERS.

U.S.Army Engineers have made surveys and established monuments in Cos-Cob Harbor - Chimney Corner and Greenwich Harbor. A number of such monuments in each of these localities have been located on the topographic sheet. This method was considered more expedient than trying to connect with this work by triangulation.

The U.S. Engineer's monuments located in each of those localities were as follows:

(a) Cos-Cob Harbor - Brush, U.S.E. - Yacht Club, U.S.E. - #6, U.S.E. (b) Chimney Corner - #18, U.S.E. - #20, U.S.E. - (c) Greenwich Harbor - #1, U.S.E. - #3, U.S.E., Grass Island, U.S.E. Each of these monuments have been described on Form 524. The descriptions of these stations is as prepared by the U.S. Engineers.

RECOVERABLE STATIONS

The descriptive report lists about 40 recoverable topographic signals. The nature of these signals is such that it is not believed necessary to prepare further descriptions on Form 524.

Accordingly the only descriptions prepared on Form 524 for this sheet are the monuments of the U.S. Engineers listed above; also stations Rod and Yacht

CHANGES

Mr. Deane has made no comment relative to "Changes" in his report. There are quite a number of changes due to filling in and excavating which do no appear to need further comment.

The principal natural changes are as follows:

(a) Greenwich Point. The end of the point has eroded away for about 80 meters.

(b) Pelican Island. Only a small (northeast end) portion of Pelican

Island now lies above high water.

(c) Point East Entrance Chimney Cornet. The extremity of this long narrow point has broken up into a couple of off lying islands and the delineation of the shore line considerably changed.

All of these changes are confirmed by aerial photographs.

NAMES

Local inquiry did not determine any new place names. The names on the sheet appear to be in general use.

The low long point at the eastside of the entrance to Chimney Corner does not appear to have any name, NARROW POINT is suggested.

BRIDGES

The N. Y. N. H. & H. R.R. bridge across the mouth of the Mianus River is the only bridge on the sheet. Span and clearance for this bridge are as follows (data from Chief Engineer - N.Y.N.H.& H. R.R.).

Char span (between neat lines of piers)

Channel (clear between fenders)

Clearance to mean high water

Clearance to extreme high water

75-ft.

67: - 7"

20.3- ft.

17.10 ft.

ACCPMPANYING DATA

The following data from the U.S. Engineers (Providence Office) accompany this sheet.

(a) U.S. Harbor Lines - Greenwich Harbor

(b) Mianus River - two sheets.

These sheets show the location of the monuments of the U.S. Engineers in this area - some of which located on this topographic sheet "A" by Mr. Deane.

Respectfully submitted

Harold A. Cotton, Chief of Party.

Card Forms 524 accompany this report for the following stations:
Yacht Club U.S.E., No. G U.S.E., Ala(Brush U.S.E.), Grass Island U.S.E., No. 1 U.S.E.,
No. 3 U.S.E., No. 27 U.S.E., No. 26 U.S.E., Rod, Yacht.

REGOVERABLE TOPOGRAPHIC SIGNALS

NAME	DESCRIPTION
	D 22 1 2 2
Buff	Buff colored flag pole
1	Small red_roofed house on end_of_dock
Mast	Mast on concrete replica of ship
	Cupola on barn
1	Tower
Yell	East gable of yellow house
Rod	Small red roofed house
Red	
Rip	
1	Spindle
₩ 7	Tallest of trees on island
1	Cupola on Riverside Yacht Club
	Flag pole
1	Corner_of_bulkhead
0 <u>ñ.</u>	Cupola_on_boat_house.
Nic	House on end of dock
Sid	End of dock
Wal	North west corner of bulkheed
Pos	West_end_of_bridge
Don	End_of_dock
Pen	End_of_dock
Rim	Northeast corner of house on dock
Brick	Brick stack
Pom	Southeast corner of Palmer Marine Engine building
lin	End of dock
Cos	End_of_dock
Lip	North chimney on house
Mort	Isolated tree
Green	Small green_roofed_house
1	Weathervane on house
Picr	Middle pier of bridge
·	
]	

٠.		
•		
		Southeast corner of bulkhead
	j i	West chimney on red roofed house
	Yacht	Flag pole
_		West gable of Ruddock Yacht yard building
	1	_Black_stack
٠,	Pub · ·	South gable_of Public Service Corp., Building
٠,	Sin	Chimney_on_sewage_disposal_plant
	Hung	Flag pale on end of dock
		Flag pole on end of dock
	Boot	West_chimney_of_red_roofed_house
•	Will	East chimney of green roofed house
	High	Northwest chimney of red roofed house
	Brow	Northwest white chimney of white house, gray roof
	Hill	South white chimney of red roofed house
	Front	
<u>.</u>	Run	Flag pole
	West	West_chimiey_of_gray_roofed_house
	Fin	Finial on small pavilion
	·	
٠,		
**		
		~
	· · · · · · · · · · · · · · · · · · ·	
	<u></u>	

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.

register no. 6022

State Connecticut Graphic Confect
General locality Long Island Sound
Locality Mianus to Great Captain Island
Scale 1-10 000 Date of survey April-May, 1933, 192
Vessel Project HT-134
Chief of Party Harold A. Cotton
Surveyed by Villiam F. Deane
Inked by Villiam F. Deane
Heights in feet aboveto ground to tops of tree
Contour, Approximate contour, Form line intervalfeet
Instructions dated March 23, 1933 , 192
Remarks:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

↓ T6022

LANDMARKS FOR CHARTS

Mama	rineck, N.Y.	and the
	October 25	, 1933
RECTOR, U. S. COAST AND GEODETIC SURVEY:		
The following determined objects are prominent, description given below, and should be charted.	Can be readily distinguished from seawar Harold Accotton, H. & G. E.	d from the
		nief of Party.

DESCRIPTION	L	ATITUDE	LON	GITUDE		METHOD OF DETER- MINATION	CHARTS AFFECTED
	0	D. M. METERS	0 1	D. P. METERS	DATUM		
East Gable of Yellow							
house	41 0	1 544.4	73 34	764.8	N.A.	Торо	222 - 1213
Chimney Send white house	41-0	0 1283.9	73.34	244.9	"	Triang.	222
Note:							
Objects marked as ef	fectin inshor	g e					
and harbor charts. Only objects marked							
effecting charts 1213 are for offshore charts i.e.							
about the outer portion of Island Sound.							
Only new objects loc topographic sheet (Sheet	"A" H.	A. Cotton					
1933) are listed in this Landmarks other than	those	from					
the topographic sheets ar a special report on this	Form (567)					
for Charts Nos. 222 and 1	213, W	hich see.					
0							

A list of objects carefully selected because of their value as landmarks as determined from seaward together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by

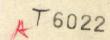
individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive indentification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY



LANDMARKS FOR CHARTS

_Me	maroneck, N.	7.	
DIRECTOR, U. S. COAST AND GEODETIC SURVEY:	-	October 25	, 193 3
The following determined objects are promine description given below, and should be charted.	ent, can be readily Harold A	distinguished from	n seaward from the
			Chief of Party.
	POCITION		

	POSITION								
DESCRIPTION	LATITUDE			LONGITUDE				METHOD OF DETER- MINATION	CHARTS
700	٥	1	D. M. METERS	0	,1	D. P. METERS	DATUM	MINATION	
Gray roofed house on do	ck 41	01	157.5	73	33	629.9	N. A.	Triang	221, 222, 1 15
Tower, small building	41	00	773	73	35	0		Торо	222
Finial on small pavilio	n 40	59	555	.73	36	1069		- 11	"
E. Gable Red Roofed House	41	00	1513	73	35	887		11	n
Spindle - Bean	41	01	355	73	35	1033		11	11
Cupola on yacht club	41	01	- 610	73	35	847		11	11
Weathervane on house	41	00	1535	73	36	446		11	11
W. Chim. Red Roofed Hou	se 41	00	1180	73	37	201		11	
Chimney on disposal pla	nt 41	. 00	1695	73	37	869		11	tt .
W. Chim. Red roffed hou	se 41	00	436	73	37	858		11	180 1215
Chim. Green roof hou	se 41	. 00	227	73	37	991		11	11
NW. Chim. red roof hous	e 41	00	416	73	37	1089		11	11
W. Chim. Gray roof house	e 41	00	24.7	73	38	242		11	11
Indian Harbor Yacht Clu	0 41	00	1263.5	73	37	540.0		10.1	a = a
(Center; of building) located from corners)									

REVIEW OF GRAPHIC CONTROL SURVEY T- 6022, SCALE /. 10,000

Date of Review 7/26/1938

- 1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5159, , 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 air photo compilations listed above. See Report and review T 5259
 - (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.
- 2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5159, , , 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.

There are numerous

obfferences between the whoreline on T6022

and air photographic levery T5259. T5259

has been consetted against T6022 and

the photographs and whould be weed in preference

to T6022. Refer to review and obserptive

refort T5259 for obtailed statement regarding

differences between the two conveys.