

# 6024

Graphic Control

U. S. COAST & GEODETIC SURVEY  
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Form 504 Ed. June, 1928	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
_____, Director	
<div style="border: 1px solid black; width: 100px; height: 80px; margin: 10px auto;"></div>	
State: <u>New York</u>	
DESCRIPTIVE REPORT	
Topographic <del>Hydrographic</del>	Sheet No. C 6024
LOCALITY	
<u>Long Island Sound</u>	
<u>Rye Neck to Larchmont</u>	
19 <u>33</u>	
CHIEF OF PARTY	
<u>Harold A. Cotton</u>	

## Descriptive Report to accompany "Sheet C"

Parsonage Point, New York to Umbrella Point, New York

Instructions:

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

Limits:

The sheet comprises a complete topographic survey of the high and low water line and some off lying rocks from Parsonage Point, New York to Umbrella Point, New York.

Control:

Existing second order triangulation was supplemented by schemes of third order accuracy to be used for control of the survey. Location of U.S. Engineers stations in the various localities were obtained by connection to base lines and adjustment of co-ordinates to fit the Survey work.

Method:

Plane table survey was used throughout. Three point fixes and traverses were where set ups over triangulation stations were not available. The traverses closed within the allowable but the officer reviewing the sheet was not made familiar with the exact closures. executed

Detailed Description of Topography:

The shoreline from Parsonage Point to and including Rye Point is generally rocky with small stretches of sandy beach. These beaches in the main are not natural beaches and are bordered by rocky ledges. Estates and clubs are to be found inland. Mill Creek shore line is marshy on the west and north, and, with few exceptions, free of bordering rocks. On the eastern and western sides estates and club grounds front the shore; the northern portion is given over to small boat-yards, industrial plants, and the usual establishments common to a small settlement.

Outer Mamaroneck Harbor is rimmed about in a general sense by a rocky shore line. Scotch Caps is a rocky reef constituting the eastern boundary. Hen Island is rocky on the north and south tips but has an area of marsh between. There are several sand beaches in outer Mamaroneck Harbor but these are largely man made. Inner Mamaroneck Harbor is choked by tidal flats with occasional marsh areas. In the outer harbor estates border the water while in the inner harbor docks and plants are found, a municipal park comprises the only exception.

From Mamaroneck Harbor to and including Long Beach Point the shoreline is composed of rocks and reefs with very few exceptions. Estates bound the high water line.



Larchmont Harbor is a very rocky area; off lying rocks are numerous. The only exceptions to the general rocky area is to be found in the mud flats and marshy areas in small necks and bights bounding the harbor. The harbor is bordered by estates with only an area of grassland on the northeast shore.

The shore line about Umbrella Point and westward is rocky with a few sandy beaches. Estates and public grounds front the water in this locality.

Changes:

The shoreling has undergone little material change. The building of stone retaining walls has affected the shoreline only in a small number of cases.

Landmarks:

Landmarks located on this sheet are listed on accompanying Form #567, "Landmarks for Charts".

Statistics:

Triangulation stations-----C. & G. S. 13--U.S.E.D.	13
Statute miles of shore line, high water	16.8
Statute miles of low water line	15.9
Statute miles of roads	1.5
Number of signals located	82
Number of recoverable plane table positions	45
Number of set ups	64
Area in square statute miles	5.5
Number of off lying rocks	80

Remarks:

The shoreline was surveyed by G.L. Govin who left the party before inking the sheet. The inking was done by another engineer, A. Black.

The officer writing the descriptive report is familiar with the surveyed area because of his frequent inspections.

Respectfully submitted,

*William F. Deane*

William F. Deane,  
Aid, Coast & Geodetic Survey

*Harold A. Carter*  
*Chief of Party*



TO ACCOMPANY TOPOGRAPHIC SHEET "C" (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 hydrography. 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 by Hydrographic parties in this area.

PROMINENT OBJECTS - "LANDMARKS"

Also in common with other topographic sheets executed during the present season, there are numerous extensive estates located over the area coming within the limits of this sheet. Some of the large buildings on these estates comprise the most prominent objects of the landscape.

As these buildings are not only of outstanding prominence but also have particular promise of permanance, it is believed that the chart should also show a reasonable number of them. Accordingly, the principal objects of this character (at frequent intervals) have been listed on Form 567 "Landmarks for Charts". In each case some particular point of the structure has been located.

There are two buildings at the entrance to the inner harbor of Mamaroneck which it would be desirable to show on the chart. These were not located by the topographer but can be taken from the aerial photographs. One is a large apartment house just inside of Topographic signal RA on the south side of the entrance, while the other is a club house just behind triangulation station NINE on the north side of the entrance.

CONNECTIONS WITH WORK OF U.S. ENGINEERS.

The U.S. Engineers have a scheme of triangulation extending into Mamaroneck Harbor and Milton Creek, the former reaching into the inner harbor as far as the Boston Post Road. Connection with this work was made by incorporating U.S.E. stations CRANE, #8 and #9 into the Coast and Geodetic Survey scheme. The Coast and Geodetic Survey triangulation station SCOTCH CAPS is the center of co-ordinates for the position of the U.S.E. station. To plot these stations on this topographic sheet ("C"), an initial meridian and parallel were constructed through triangulation station SCOTCH CAPS and the stations plotted directly from the rectangular co-ordinates of the Army Engineers.

RECOVERABLE STATIONS

The descriptive report lists about 45 recoverable topographic signals. The nature of these signals is such that it is not believed necessary to prepare further descriptions on Form 524.



The following U.S. Engineers triangulation stations were recovered and used for control; these stations are available for future use.

MILTON HARBOR

Rye-Barret-Wainwright-Pipe-Mill-Dan-Golf-Rose-Pine-Hen

Mamaroneck Harbor

No.2 - Coast - Rock - Harbor.

CHANGES

In Mamaroneck Harbor, the basin behind Harbor Island is being filled in to established harbor lines which approximate the present shoreline as shown on the sheet.

In the northeast corner of Larchmont Harbor, a deep cut has been dredged, the material being used for near-by filling.

In the extreme northwest corner of Larchmont Harbor, a boat basin has been constructed (behind topographic signal NORTH).

The shoal ground previously shown just north of Delancey Point has been filled in to form an island with a causeway approach.

BRIDGES

No bridges come on the sheet.

ACCOMPANYING DATA

(a) Descriptions and positions of ten U.S. Engineers triangulation stations in Milton Harbor and twenty two (22) U.S. Engineers triangulation stations about Mamaroneck Harbor.

(b) Rectangular co-ordinates in meters for the ten above stations in Milton Harbor and also four (4) in Mamaroneck Harbor used for topographic control.

A light is exhibited from  $\Delta$  Weather which is the large flagpole at the Larchmont Yacht Club.

Respectfully submitted

*Harold A. Cotton*  
Harold A. Cotton, Chief of Party.

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## TOPOGRAPHIC SHEET No. (Field Letter C)

		<u>feet</u>	<u>meters</u>
Rye	N.	1651.1	503.
	E.	618.5	188.2
Barrett	N.	3465.0	1057.
	E.	1435.9	437.
Wainwright	N.	6029.9	1839.
	E.	2170.6	661.
Pipe	N.	7154.3	2180.
	E.	2706.2	824.5
Mill	N.	8117.7	2044.6
	E.	2965.2	905.
Dam	N.	8186.9	2495.4
	E.	2424.5	740.
Golf	N.	7178.0	2187.8
	E.	1679.9	512.
Rose	N.	5646.	1720.
	E.	1051	320.3
Pine	N.	4568.2	1392.3
	E.	171.2	52.2
Hem	N.	3327.7	1014.2
	W.	362.5	110.4
Crane	N.	2713.4	827.
	W.	3376.4	1029.1



		<u>feet</u>	<u>meters</u>
No 2	N.	4610.4	1405.2
	W.	7795.7	2376.1

Coast	N.	3934.8	1199.3
	W.	8772.1	2673.7

Rock	N.	2749.7	838.1
	W.	7354.0	2241.5

Harbor	N.	3426.1	1044.3
	W.	8107.1	2471.0

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SHEET C RECOVERABLE STATIONS

BILL	End of dock	BLACK	House on dock
OKE	End of dock	PINK	Red roofed pergola
PAV	South gable bathing pavilion	BRICK	North chimney brick house
✓ DOME	Dome on yacht club building	GRAY	North chimney gray house
WAG	West gable small white house	TOWER	Tower
CLU	End of dock	GREEN	Small green house
NIG	Black and White chimney on north end of house	BULK	House on bulkhead
WHITE	Dormer window of white house	HOW	Red roofed dock house
NORTH	North gable small green roofed house	CAT	Flagpole
MOLL	E. gable green roofed house	✓ NORTH	North chimney yellow stucco house.
BUST	End of dock	EAST	East gable red boat house
CONE	Conical roof	HAM	Flagpole
BEEF	End of dock	EGG	Flagpole
DUCK	End of dock	DOCK	Red roofed house on dock
WIND	Dormer window on stucco house	RED	Red wooden umbrella
✓ 17	West of twin cones on apartment house	BATH	South gable bath house
✓ <del>church</del> <del>spire</del>	Church spire	YARD	Flagpole with yard arm
GAN	Flag on tower		
CIN	Incinerator tower		
SOUND	Center chimney apartment house		
DER	Derrick on dock		
PARK	Flag pole		
END	House on end of breakwater		
RAT	Flagpole		
RA	Flagpole on end of dock		
RAM	Flagpole on end of dock		
ARM	Tall flag pole		
FOP	Flag pole on end of dock		



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

Sheet CT6024

## LANDMARKS FOR CHARTS

Mamaroneck, New York

November 2, 1933

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

Harold A. Cotton, H & C

Chief of Party.

[illegible]

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, 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 of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.



REVIEW OF GRAPHIC CONTROL SURVEY T-6024, SCALE 1:10,000

Date of Review 9/8/37

✓ 1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5257, , , 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.
- ✓ (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-5257, , , 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 H. W. L. differences from 0.0 m. to 10.0 m. between this survey and compilation T-5257 which are due to interpretation. The compilation has been accepted as correct after examining the photos. See pages 13 to 15 of Description Report T-5257 for a detailed discussion.

The U.S. E. Engineers stations have been shown with the triangulation symbol  $\Delta$  when <sup>it would</sup> ~~they~~ ~~should~~ have been <sup>better to show</sup> ~~shown~~ with a circle  $\bigcirc$  as these stations are not tied into the U.S. C. + G. S. triangulation scheme but were computed from the U.S. E. coordinates. A green circle  $\bigcirc$  has been added at these stations in the office.

L. C. Lande



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 6024

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. C

REGISTER NO. **6024** *Graphic Control*

State New York

General locality Long Island Sound

Locality Rye Neck to Larchmont

Scale 1-10,000 Date of survey June-July, 1933 ~~1932~~

Vessel Project HT-134

Chief of Party Harold A. Cotton

Surveyed by G. L. Govin

Inked by A. Black

Heights in feet above.....to ground to tops of trees

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

Instructions dated March 23, 1933, ~~1932~~

Remarks: The surveyor of sheet left the party before inking sheet or writing descriptive report.