

# 6018

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DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
R. S. Patton, Director

State: New York

## DESCRIPTIVE REPORT

Topographic } Sheet No. G 6018  
Hydrographic }

### LOCALITY

Eastern Long Island  
Gardiners Bay L. I.

South Channel of Shelter Island  
Cedar Point to Sag Harbor.

Sound

19 33

CHIEF OF PARTY

L. C. Wilder

U. S. GOVERNMENT PRINTING OFFICE: 1923

# 6018

Descriptive Report to Accompany Sheet "G".

South Channel, Shelter Island Sound and part of Noyack Bay,  
Eastern Long Island.

Scale: 1:10,000

AUTHORITY:

Instructions to Lt. L. C. Wilder dated March 17, 1933.

LIMITS:

South Channel of Shelter Island Sound from Cedar Island Light to the northwest side of North Haven, including west shore of North Haven.

This area was photographed on a scale approximately of 1:10,000 and for this reason the work consists of locating points for hydrographic use, landmarks, and for control of photographs.

No buoys, dangers, or obstructions were located on this sheet as it was understood that the hydrographic parties were to locate all of these objects.

GENERAL DESCRIPTION:

Approaching the area from the northeast (Cedar Island Light House), to the right lies Mashomack Point. The shore line of this point is mostly a thickly wooded, low bluff. To the left is a low sand spit extending from near the light house to the mainland. From this point to Sag Harbor the shore line is thickly wooded and for the most part there are high sand bluffs from 20 to 50 feet high except near creeks where there is a low sand beach. The west shore of Mashomack Point is similar in character to the east side of this point. The east shore of North Haven is for the most part a gradual rise, partially wooded, with several summer cottages along the shore. The west shore of North Haven is a wooded bluff from 30 to 50 feet high from the northwest point to a signal (Had). From signal Had almost to triang. sta. Long there is a low sand beach. At triang. sta. Long there is another high bluff, partially wooded, and then another low beach.

LANDMARKS:

The landmarks which may be used are Cedar Island Light House, Sand Spit Light, the Sag Harbor Jetty Light, The Sag Harbor Presbyterian Church, and a cupola on a house (o Ula), west of the ferry, in Lat. 41-02.6', Long. 72-19.6'; all of these points being located by triang. Besides these points there is a large cupola (turret) on each of two large houses on the east side of North Haven (o Cup and o Tut), a large, round silver gas tank in the village of Sag Harbor, a high, white flag pole at the shore end of the Sag Harbor Jetty, (o Nut), and a flag pole at end of Sag Harbor Main Street which were located by plane table.

Besides these points there were several objects of a permanent or semi-permanent nature which were located for hydrographic signals and described in black on this sheet which may be of use in control of the air photos. Signals "Gat" and "Cen" at the north end of North Haven are the center of the ferry gates of the ferry which runs from North Haven to Shelter Island.

#### CONTROL:

Nine well distributed triangulation stations were used as the control of this sheet.

#### METHODS USED:

A traverse was run from triang. sta. Long to triang. sta. Cook and another traverse from triang. sta. Cook to triang. sta. Farnum. In running these traverses a hundred meter wire tape was used in measuring the lines.

Nearly all of the remaining signals were located by cuts from triangulation stations on previously established signals. Three cuts on more that checked were used in all cases except in one or two cases where two cuts and a rod reading were used and in the cove at the west side of Mashomack Point where two cuts and a measured distance was used in locating two or three signals. In three cases, o Sir, o Mes, and a point on the main dock at Sag Harbor, the points were established by the three point fix with the plane table.

In locating signals in Sag Harbor Cove, o Ten was placed in line with Sand Spit Light once previously located. o End, the Sag Harbor Presbyterian Church, and o Cup were used to locate this point by resection. Cuts were taken to other signals from this point and signal "Nit" located by again visecting from the Sag Harbor Presbyterian Church and o Cup. A check was obtained on this point from signal "Mil" which could not be seen from signal "Ten". The usual procedure of cuts were used in locating most of the remaining signals except for a short traverse run from signal "Ten" to signal "Dep" and another from signal "Nit" to signal "Rap".

In locating signals in North West Creek, all signals were built before any work was done in this creek and then cuts taken on all signals from signal "Six". A traverse was run from this signal along the west shore of the creek, the signals on the east shore being located by cuts.

#### CLOSURES:

The traverse from triang. sta. Long to triang. sta. Cook closed with an error of about six meters and this error was adjusted throughout the traverse. The second traverse, from triang. sta. Cook to Triang. sta. Farnum closed with an error in azimuth of about six meters. This traverse was re-run and the error corrected. This error was probably due to the short line of orientation from triang. sta. Cook.

CONTOURS:

As far as can be ascertained without an actual check by survey methods the contours are the same except for minor developments by real estate firms, and where small channels and basins have been dredged, the spoil material being placed on meadows.

GEOGRAPHIC NAMES:

No geographic names were obtained as this was already taken care of on the air photos.

Approved,

*L. C. Wilder*  
L. C. Wilder,  
Chief of Party.

Respectfully Submitted,

*T. F. Squires*  
T. F. Squires.

# Topographic Sheet "G"

List of prominent objects and objects that may be used for future work.

Name	Description
Hac	Flagpole near shack
Mil - Ray	Windmill
Pug	Middle of white bath house
- - -	Chimney at N. W. end of the main wing of Barclay's summer house
----	Chy on tile ho. near Tri. Sta. Cook
Gen	Center of South Ferry Gate
Cam	Flagpole in fron of stucco house
Doc	End of dock
Gab	S. Gable, large concrete boat house
Gat	Center of north ferry gate
Ros	Flagpole with cross arm
Wag	Flagpole
Don	End of dock
---	Chy N. side of gray bungalow, lat. 41-01.0 Long. 72-17.9
Pat	Flagpole
Cup	East cupola on gray sh. ho.
Tut	" " " " " "
---	Flagpole at N. end Main St., Sag Harbor
Dum	Old flagpole, south end Main dock
---	N. gab. ho. on end main dock
---	Gas pump on gas pier
---	Center Yacht Club House
---	N. gab, large boat ho.
Nut	Flagpole
Hap	W. gab. of green ho., red roof
Rom	Bath house
Chim	N. Chimney on house
Dan	S. W. Cor. old dock
Roy	House on dock
Pol	Flagpole
Old	S. gable, small gray shack
Tel	White water tank
Cro	Flagpole
Gra	W. gable, light gray bath house
Rem	W. gable, white summer house on dock
Til	Tile chim. on red roof house

A list of the prominent landmarks (for navigators and aviators) has been submitted with the separate report on landmarks.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

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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. G

REGISTER NO 6018

State New York

General locality Gardiners Bay L. I.

Locality Cedar Point to Sag Harbor L. I.

Scale 1-10,000 Date of survey September, 19 33

Vessel --

Chief of party L. C. Wilder

Surveyed by T. F. Squires

Inked by T. F. Squires

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

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

Instructions dated March 17,, 19 33

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