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

State: New York

DESCRIPTIVE REPORT
Topographic Hydrographic Sheet No. 6 6018

LOCALITY
Eastern Long Island
Gardiners Bay L. I.
South Channel of Shelter Island
Cedar Point to Sag Harbor Sound

19 35

CHIEF OF PARTY
L. C. Wilder
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 Har-
bor 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 sum-
mer 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 "Oen" 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. e 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 "Nil" 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 "Bep" and another from signal "Nit" to signal "Rea".

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,  
Chief of Party.

Respectfully Submitted,  
T. F. Squires.
Topographic Sheet "g"

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

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

A list of the prominent landmarks (for navigators and aviators) has been submitted with the separate report on landmarks.
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. 6018

State: New York

General locality: Gardiners Bay L. I.

Locality: Cedar Point to Sag Harbor

Scale: 1:10,000 Date of survey: September 19, 1933

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, 1933

Remarks: 

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