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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. D 6017  
Hydrographic }

LOCALITY

Eastern Long Island  
Cardiners Bay L.I.  
Shelter Island to Sag Harbor Harbor

Scale 1-20,000

1933

CHIEF OF PARTY

L. C. Wilder

U. S. GOVERNMENT PRINTING OFFICE: 1923

6017

Descriptive Report to Accompany Sheet "D".  
Gardiners Bay, Eastern Long Island.

Scale: 1:20,000

AUTHORITY:

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

LIMITS:

South section of Gardiners Bay from Hog Creek Point west to west end of Coecles Harbor on Shelter Island and South Sag Harbor Cove. Sheet "G" (1:10,000) did not cover South Sag Harbor Cove area.

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

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

GENERAL DESCRIPTION:

The shore line from Hog Creek Point to triang. sta. Goose is a high, wooded bluff from 20 to 40 feet high except for a long stretch of sand beach separating Gardiners Bay from Three Mile Harbor. From near triang. sta. Goose there is a long sand spit extending westward almost to Cedar Island Light. The eastern shore of Shelter Island, from triang. sta. Nichols to triang. sta. Ram is a high, wooded bluff from 20 to 60 feet high except for a low beach on both sides of the entrance of Coecles Harbor. The southerly side of Coecles Harbor is a low, thickly wooded uninhabited section. The north side consists of two thickly wooded sections of upland, these two sections being separated by a low beach. Another low beach separates these two sections from the mainland of Shelter Island. Many summer cottages are built along the north shore of this harbor. There are small creeks leading off from the southwestern end of this corner of this harbor. The most part is open country with several houses along the shore.

The southerly and easterly shores of Sag Harbor Cove are quite thickly built up with summer cottages and permanent residences. There is a low, sandy beach separating this cove from Noyack Bay. The northerly shore is a uninhabited, thickly wooded upland, separated from Sag Harbor Village by a short stretch of meadow which is covered by water at high tide. Operations were started to dredge a channel through this meadow from the North Cove to the South Cove by a real estate firm but the plan was never completed.

LANDMARKS:

Landmarks located by triangulation are Cedar Island Light, Sand Spit Light, Jetty Light, Sag Harbor Presbyterian Church, and Deering Flag Pole.

Besides these points the following which may be used as landmarks were located by plane table, a small white building with a light on the end of the east jetty at Three Mile Harbor, a large white building at



the north end of the beach near the channel to Coecles Harbor, the top of a water tank, and a windmill with a white tank at the western end of Coecles Harbor.

Besides these objects, numerous objects of a permanent or semi-permanent nature were located for hydrographic signals and may be used for control of the photographs or any future work. These objects are shown in black on this sheet.

#### CONTROL:

Twelve well distributed triangulation stations were used for control of this sheet.

#### METHODS USED:

In locating signals in Sag Harbor Cove signals "Tic", "Hac", "Ten", "Tut", and "Tan" were transferred from Sheet "G" (1:10,000) and with triang. sta. Long, and triang. sta. Sag Harbor Presbyterian Church used for control of these signals. Cuts were taken from Triang. sta. Long and signals "Tic" and "Hac" on as many signals as could be seen. By means of these cuts and by resection with triang. sta. Presbyterian Church other objects were located and the remaining signals located either by cuts and resection or by three or more cuts. At signal "Ser" a cut and a measured distance was taken to signal "Ten" for a check on the work.

The signals along the west shore of Shelter Island were located by cuts from triang. sta. Nichols, measured distances as far north as the channel, and resection using these points which were measured too, and triangulation stations to the south and east which could be seen.

Signals in Coecles Harbor were located by cuts and resection using triang. sta. Dering Flag Pole, triang. sta. Coecles, signal "Pod" which was transferred from Sheet "E" and signal "The". A short traverse was run from signal ("Erb" ) up a creek. Signal ("Que" ) was used as a check on this traverse, signals on the north shore of the creek being located by cuts and stadia shots from set-ups on this traverse.

A traverse was run from triang. sta. Goose to triang. sta. Three Point using a hundred meter tape.

On this traverse all points were marked by stakes driven well into the ground and set well back from the high water line.

#### CLOSURES:

The closure on the traverse from triang. sta. Goose to triang. sta. Three Point was 10 meters, and was adjusted.

#### CONTOURS:

As far as can be ascertained without actual check by survey methods the contours have not changed except for minor developments by real estate firms.

#### 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 "D"

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

## South Sag Harbor Cove

Name	Description
-----	N. E. of beach inn (Smitty's)
Con	Chy on house with enclosed porch.
Tor	Brown gab. of white garage.
Ver	N. gab., green barn.
Cab	Flagpole near garage.
Jar	W. gab., wh. ho., green roof.
Haf	Chy on wh. ho., red roof.
Bet	No. gab., small red building.
Ink	Top of water tank.
Zip	W. gab., dark green house, red roof.
Ed	Apex of gray roofed ho.

## Coeclles Harbor

Rip	End of dock.
Air	Peak of ho., red roof on point.
Lug	W. gab., light green bath house.
Bac	End of dock.
Can	End of dock.
Sic	Sm. flagpole.
Wel	S. W. corner small bath ho.
Sir	Flagpole on west gab., large wh. bath ho.
Pos	Chimney on house on Island.
Que	Top of water tank.
Low	East gable, large wh. house.
Gen	South gable, small red building.
Una	Windmill with tank.
Fay	Chimney on gray bungalow.

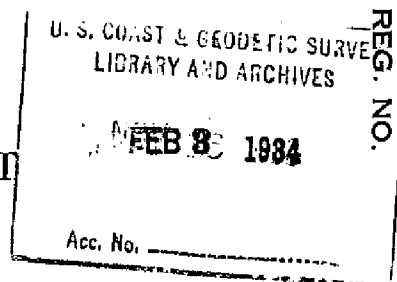
## Gardiners Bay

-----	White box, end of east jetty, Three Mile Harbor.
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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



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. D

REGISTER NO. 6017

State New York

General locality Gardiners Bay L.I.

Locality Shelter Island to Sag Harbor

Scale 1-20,000 Date of survey October, 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, 1933, 19

Remarks: