

1200

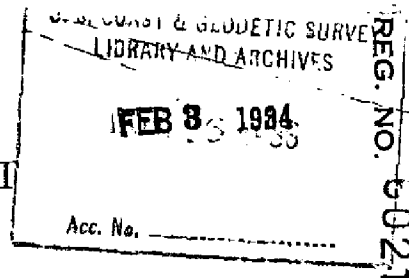
U. S. GOVERNMENT PRINTING OFFICE: 1930

SHEET "A"

Since this sheet was photostated in October the south gable of a hotel at South Jamesport has been located and several landmarks shown in black.

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. A

REGISTER NO. 6021

State New York

General locality Great Peconic Bay, L.I.

Locality Mattituck and Squirtown to Riverhead, L.I.

Scale 1:20,000 Date of survey June, 1933

Vessel \_\_\_\_\_

Chief of party L.C. Wilder

Surveyed by E.B. Brown, Jr.

Inked by E.B. Brown, Jr.

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated March 17, 1933., 19\_\_\_\_

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

Descriptive Report to Accompany Topographic Sheet "A".  
Flanders Bay, Eastern Long Island.

INSTRUCTIONS:

Instructions for this topographic survey were dated March 17, 1933. The survey was made primarily for the purpose of locating control for hydrography and to a certain extent the location of points for control of the air photographs. No shore line was run in.

LIMITS:

This sheet covers Flanders Bay, Reeves Bay, and the Peconic River to Riverhead. The eastern limits are triang. sta. Squire Pond and on the north shore, a point between triang. stas. Laurel and Matt.

GENERAL DESCRIPTION:

The south shore to Red Cedar Point is a bluff about 10 ft. high dropping off to a sandy beach. The north shore is a bluff about 5 ft. high dropping off to a sand beach. From Red Cedar Point to Long 72°-36', the beach is low and sandy. Several bights on the southern shore are surrounded with marsh grass. The shore up to Riverhead is low and marshy, covered with marsh grass.

There are several prominent landmarks to be seen in this locality. When sailing to the westward triang. sta. Grey Tank, triang. sta. Wier Nursery Chy, triang. sta. Aquebogue Church Spire, a small unpainted water tank (o Any), two grey hotels (the western most chimney of the western most hotel is o Yes), a bright yellow water tank in South Jamesport, a prominent and distinctive wind mill at the base of Red Cedar Point, a small white church spire in the village of Flanders at the head of Reeves Bay, Riverhead Water Tank, and the five tall radio towers to the south of Riverhead may be seen from almost any where in the locality. When going up the Peconic River the following landmarks may be seen, a red chimney on a large yellow house (o Kid), the southern white chimney of a large white house (o Mat), two churches in Riverhead (o Del and o Gat), a silver color laundry smoke stack (o Sil). A large flag pole on the eastern shore of the entrance to Meeting House Creek may be seen from almost any where in Flanders Bay from up the creek; also from up the creek may be seen a red cupola on a dark red house (o Red), and Aquebogue Church.

GEOGRAPHIC NAMES:

Geographic Names were checked by an officer in spotting air photo control. A separate report has been furnished and the subject will not be covered here.

CONTROL:

A scheme of third order triangulation with stations located not more than three miles apart.

METHODS USED:

Two methods were used in making the survey: Plane table traverse, using a 100 meter chain for distances where chaining was possible and to a very limited extent a telemeter rod for distances where chaining was impossible. The second method was a scheme of plane table triangulation.

A traverse was run from triang. sta. Cedar to triang. sta. Squire Pond, a distance of 3943 meters. There was a 2 meter closing error in azimuth which was not adjusted.

A traverse was run from triang. sta. Laurel to o See, a distance of 3383 meters. There was a 2 meter closing error in azimuth and distance combined. o See had been determined by a short traverse on Sheet "B". The final position of o See was taken as the mid-point determined by the two traverses. No adjustment was applied to the traverses.

Plane table triangulation was used from triang. sta. Cedar and triang. sta. Laurel to (and including) o Ach and o Cut.

A plane table traverse was run from o Ach to triang. sta. Riverhead (black) W. T., a distance of 5049.8 meters. There was an error of closure of 14 meters (mostly in distance) which was adjusted throughout the loop according to the taped distance from o Ach.

Triang. sta. Soyars was determined by topography and later by third order triangulation. The two positions were in agreement. A position of triang. sta. Riverhead Methodist Church (1883) was determined by topography. No position could be determined by triangulation in 1933 but it was found that the 1883 position (adjusted for change of datum) falls 1.5 meters to the S. S. W. of the plane table position. The 1883 position was not left plotted on the sheet.

Approved,

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

Respectfully Submitted,

*E. B. Brown, Jr.*  
E. B. Brown, Jr.  
Aid, C. & G. S.

POST-OFFICE ADDRESS: 12th Floor Francis Marion Hotel  
Charleston, S. C.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

February 11, 1935.

To: Lt. Comm. K. T. Adams  
U. S. Coast & Geodetic Survey  
Washington, D.C.

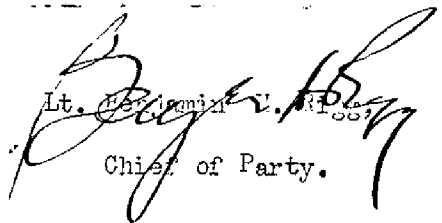
From: Lt. Benjamin H. Rigg  
Charleston, S.C.

Subject: Topographic Location of Radio Towers near Riverhead, L.I.

I have taken the matter of the location of Radio Towers up with Mr. Brown. He advises me that the cuts were taken during the execution of a traverse that was five miles long. This traverse closed with an error of about 10 meters which was adjusted. Two of the towers, he does not remember which ones, were located by three cuts; but due to tall trees, he was unable to obtain strong cuts to other than the two mentioned.

It would appear that there is a strong possibility that his location is weak, and if they can be plainly seen on the photograph, the radial plot position would be the stronger.

Respectfully,

  
Lt. Benjamin H. Rigg  
Chief of Party.

# Topographic Sheet "A"

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

Name	Description
Ump	Windmill with tank
Fly	Windmill with tank
---	Windmill Lat. 40-54.2 Long. 72-36.7
---	Round cupola and weathervane on red top house Lat. 40-54.2 Long. 72-36.9
Ire	Flanders M. Church Spire
Hot	Windmill with tank
Can	5 radio towers at Riverhead
Tol	
Rad	
- -	Unpainted water tank
	Lat. 40-55.3 Long. 72-38.1
---	Unpainted water tank
	Lat. 40-55.3 Long. 72-38.0
Gar	Weathervane on gray garage
---	Yellow water tank
	Lat. 40-56.2 Long. 72-34.7
---	South gable on hotel at South Jamesport
	Lat. 40-56.1 Long 72-34.6
Any	Water tank

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