

4118

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Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: Georgia

11-5013

DESCRIPTIVE REPORT.

Topographic Sheet No. 4118

LOCALITY:

Georgia Coast

Hampton R. to St Simons Id. &

Vicinity

1924

CHIEF OF PARTY:

F. S. Borden

Applied to chart 1242. Mar. 16, 1939 G.H.S.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

No.....

(Field Letter F)

ST. SIMON SOUND

GEORGIA

August - October

1924

Scale: 1/20,000.

LIMITS:

The work on this sheet covers St. Simon Sound and the outside coast from approximately 31° 36" latitude to a point about a half a mile above the mouth of the Hampton River. Topography was carried up the Hampton River about three miles until a juncture was made with the old surveys. The survey was carried up the Fredrica, Macey's and Back River as far as the new highway to St. Simon's Island. The north shore of the harbor was surveyed as far as the terminal tank and the survey of the south shore was carried to a point opposite the terminal tank.

CONTROL:

Eleven triangulation stations were recovered and two new ones, Hamp and Add were located giving excellent control for the survey. Δ Add was located by the three point method using Δ St. Simon Lighthouse, Δ Palm and Δ Sapelo Lighthouse. Δ Hamp was located from Δ St. Simon Lighthouse, Δ Palm and Δ Add and checked by measured distance from Δ Add.

METHODS:

Stadia traverse was used from the north point of Jekyll Island to Δ Groves. A chain traverse using a 100 meter wire was run from the south bank of the Hampton river to \odot Bridge. Stadia traverse was run from the mouth of King's Creek on St. Simon's Island to Δ Postell. Three point fixes were employed on all the inside work in the sound and harbor and also at the upper end of the work on the Hampton river. Three point fixes were used from \odot Bridge to the mouth of Black Bank River using \odot Range, which was located by intersection and checked by data obtained from the U. S. Engineers. Traverse was used on the south bank of the Hampton River as far as Village Creek. The rest of the work there was done by three point fixes.

Three engineer triangulation stations, Parsons, Du Bignon and "B", in addition to the other triangulation stations, were used. These were given to us by coordinates from the Lighthouse. All the range marks in the harbor which were formerly located by triangulation have been changed with the exception of the Plantation Creek ranges and the St. Simon Front range. All those were relocated by the topographer.

GEOGRAPHICAL NAMES:

The Island bounded by Black Bank River, Village Creek, Hamp-

Revised. Now known as Sedo Island see Letter GN 14, (1935) H.B.

ton River and the coast is known locally only as Long Island instead of Isle of ~~Pines~~ as shown on the chart. For this reason it was shown on this sheet as "Long Island".

The juncture of the Fredrica, Macay's and Back River is known locally as "Manhead Sound" and was so named on this sheet.

No longer in common use, delete from chart see Let GN 14 H.B.

CHANGES IN THE SHORE LINE NOTED SINCE 1859 SURVEY:

Great changes have taken place at the mouth of St. Simon's Sound since the last survey. The north end of Jelyl Island and the outside coast as far south as Δ Groves has worn away over 100 meters and is still cutting in at a rapid rate. A signal was located on a dune 15 meters from the high water line about midway between \odot Lost and \odot Road in the early part of the survey. This row of dunes was washed away in October and the signal lost.

Much cutting in of the shore line has occurred near St. Simon Front Range. The greatest change being over 200 meters. The point of land near the southern bank of the mouth of Black Bank River has worn away several hundred meters while the point of land between the eastern bank of the mouth of Black Bank River and the coast has built out to the southward about a quarter of a mile.

A spit of land has built out from Pelican Spit to a point on the outer coast of Long Island about a mile and a half south of the Hampton River, while the point at the northern bank of the mouth of that river has cut away about a quarter of a mile.

The entire northeastern bank of the Hampton River has cut away from 50 to 100 meters or more, necessitating carrying the topography up that river about three miles in order to obtain a juncture with the old work.

NEW IMPROVEMENTS AND LANDMARKS:

As much of the new highway to St. Simon's Island as could be located on this sheet was mapped and a position of a new highway now under construction to Long Island was mapped.

No prominent landmarks other than those shown on the chart now exist.

The stack shown on chart near as quarantine station is down and should be removed from chart. Maritime tank and Roof Factory tank as shown on insert are prominent objects, and it is recommended that they be put on the chart.

Respectfully submitted
Paul S. Boden

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON October 24, 1925.

SECTION OF FIELD RECORDS.

Report on Topographic Sheet No. 4118

Hampton River to St. Simon Sound, Georgia

Surveyed in 1924

Instructions dated May 8, 1924.

Chief of Party, F. S. Borden.

Surveyed and inked by C. I. Aslakson.

1. The records conform to the requirements of the General Instructions.
2. The plan and character of the survey satisfy the General Instructions, except that the magnetic meridian was not given nor were the projection and triangulation points verified.
3. The plan and extent of the survey satisfy the specific instructions.
4. The junctions with the adjoining sheets are adequate.
5. No further surveying is required.
6. The character and scope of the surveying and field drafting are excellent.
7. Reviewed by E. P. Ellis, October, 1925.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4118

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. "F"

REGISTER NO. 4118

State GEORGIA

General locality Coast of Georgia Coast

Locality Hampton River to St. Simons Sound and Vicinity
~~St. Simons Sound and Inlet~~

Scale 1:20000 Date of survey August - December 1924

Vessel BACHE

Chief of Party Frank S. Borden

Surveyed by Carl I. Aslakson

Inked by C.I.A.

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated May 13, 1924

Remarks: Records accompanying sheet: Descriptive report:

Horizontal angle book: Field computations: