

4122

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

State: Georgia

17-5613

DESCRIPTIVE REPORT.
Topographic
~~Sheet No.~~ Sheet No. 4122

LOCALITY:

Georgia Coast

Doboy and Altamaha Sds.

1924

CHIEF OF PARTY:

F.S. Borden

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

NO. 4122

(Field Letter "G")

ALTAMAHA AND DOBOY SOUNDS

GEORGIA

STEAMER BACHE

F. S. BORDEN

COMDG.

DESCRIPTIVE REPORT

to accompany

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NO.....

(Field Letter "G")

ALTAMAHA & DOBOY SOUNDS

GEORGIA

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COMDG.

EXTENT

This sheet comprises a survey of the outside shore line from Hampton River northward to Cabretta Island and the shore line in Altamaha and Dobby Sounds back to a junction with the older surveys. It joins with Sheet "F" to the southward and with Sheet "H" to the northward.

CONTROL

Control was obtained from recovery of the following triangulation stations: Sim, Clubhouse, Grass, Altamaha '06, Wolf Island Rear Range, Dobby I. Stack, Sapelo Old and New Lighthouses and Spaulding.

Beginning at Signal LAST and orienting on HAMP, a traverse was run to SIM. The distance checked exactly but the orientation was 40 meters off, due probably to shortness of the first orientation line. A traverse was run from Clubhouse to Wolf Island Rear Range and checked to twelve meters. A traverse was run from Sapelo Old Lighthouse to the mouth of Cabretta Creek where it was tied in with NECK (Sheet "H"). This traverse was correct in distance, but its azimuth was 50 meters off. All of these discrepancies were adjusted.

Considerable difficulty was experienced in Altamaha Sound. The shore line is entirely marshland which is exceptionally soft and covered with marsh grass from 10 to 15 feet high. A greater part of this work was done with a sextant from a boat as it was impossible to set up the planetable or even walk in the mud. Scaffolds were erected at TOM, MIL, GRASS and ALTAMAHA '06. From these points cuts were taken to tangents and signals.

CHANGES

Rapid changes are taking place in the shore line particularly among the islands westward of the entrance to Little Mud River. It was necessary to carry the survey back to Buttermilk Sound to locate a small island not shown on the previous survey and to check the old shore line. Several new islands were found in Altamaha Sound. The south side of the sound appears to be filling up with silt which is brought down the Altamaha River and undoubtedly this section changes considerably during every spring freshet.

LANDMARKS, ETC.

The woods on Sapelo and Little St. Simon Island can be seen from well offshore. Wolf Island is low but Wolf Island Rear Range Light-house (discontinued) is prominent. However in a few more years this structure will collapse. The triangulation station called " Clubhouse " at the south end of Wolf Island is at present a good landmark. This building is also in a dilapidated condition and will soon be destroyed.

GO and ROW, described on cards are fair landmarks for a distance of about 4 miles offshore but it is not recommended that they be shown on the chart. Dobby Island Stack has fallen. About 30 feet of it remains standing.

ACCURACY OF SURVEY.

Of the 11 topographic sheets completed on the project, this is the most unsatisfactory one as regards accuracy. This statement however applies only to that section of the sheet embraced by Altamaha Sound. The sheet was started in the vicinity of Altamaha Sound by Lieut. G.L. Bean, in charge of the launch Mikawe, while I was on leave of absence. Instructions regarding control for the sheet were not adhered to and considerable work was done without sufficient control with the result that large errors entered into the location of signals in the Sound. Control, as originally planned, was then established, the signals re-located and shore line adjusted as accurately as could be done without doing all of the work over again. This latter work was done by Lieut. L. C. Wilder as Lieut. Bean was transferred from the party at this time. The work in the locality of Dobby Sound was also done by Lieut. Wilder. This work has the same standard of accuracy as all the other sheets included in the project.

Respectfully submitted,

Frank S. Borden.
Frank S. Borden.

ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY

AND REFER TO No. 9-DRM

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON October 24, 1925

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4122

Doboy and Altamaha Sounds, Georgia

Surveyed in 1924

Instructions dated May 8, 1924

Chief of Party, F. S. Borden.

Surveyed by L. C. Wilder, G. L. Bean and I. Rittenberg.

Inked by L. C. Wilder and E. J. Burke.

1. The records, as well as the plan and character of the survey, conform to the requirements of the General Instructions.
2. The plan and extent of the survey satisfy the specific instructions.
3. The junctions with the adjoining sheets are satisfactory.
4. No further surveying is required.
5. The character and scope of the surveying and field drafting are excellent.
6. Reviewed by E. P. Ellis, October, 1925.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4122

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. Sheet No.

REGISTER NO. 4122

State GEORGIA

General locality ~~COAST OF~~ GEORGIA COAST

Locality DOBOY AND ALTAMAHA SOUNDS

Scale 20,000 Date of survey OCTOBER-NOVEMBER, 1924

Vessel " RACHE "

Chief of Party Frank S. Borden

Surveyed by L. C. Wilder, G. L. Bean, I. Rittenburg.

Inked by L. C. Wilder, E. J. Burke.

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated JUNE 24, 1924

Remarks: