

6185

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

DESCRIPTIVE REPORT
6185

Topographic } Sheet No. C
Hydrographic }

State Georgia

LOCALITY

~~Little Satilla River (lower part)~~
~~and Dover Creek.~~

Vicinity of St. Andrew Sound

Little Satilla River to Dover Creek

1934

CHIEF OF PARTY

Hubert A. Paton.

6185

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. C

REGISTER NO. 6185

State Georgia

General locality Vicinity of St. Andrew Sound

Locality Little Satilla River to Dover Creek

Scale 1:10,000 Date of survey April, 1934, ~~1932~~

Vessel Party No. 26

Chief of Party Hubert A. Paton

Surveyed by C.N. Strong

Inked by C.T. Schwalb

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated Dec. 5, 1933, ~~1932~~

Remarks: _____

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET C
LITTLE SATILLA RIVER, GEORGIA.
PARTY NO° 26 - PROJECT H° T. 168

April 1934

INSTRUCTIONS:

The work on this sheet was done in accordance with instructions dated Dec. 5, 1933.

LIMITS:

This sheet covers an area extending from Dover to Umbrella Cut, and from the Little Satilla River to Dover Creek.

METHODS:

The signals on this sheet were located by planetable cuts from the various triangulation stations and from intermediate stations located by graphic triangulation. No traverses were necessary.

All work was done in accordance with the methods outlined in Special Publication No. 114.

CONTROL:

There are 5 triangulation stations on the sheet, all of which were recovered. The control was ample for the work.

DATUM:

The stations were first plotted on North American Datum. Later, sufficient information was received from the Washington Office to correct the projection to North American 1927 Datum. This was done by shifting the meridians 2 meters east. The correction to the parallels was negligible.

PURPOSE:

The shoreline in this area was determined by a photo-compilation party, under Lieut. (j.g.) S. B. Grenell. Tracings of his sheets were received in June and it was found that they did not agree exactly with some portions located by planetable. The largest discrepancies occurred in Little Satilla River.

The party returned to this area to investigate the differences and located sufficient shoreline to effect a junction. In all cases where the shoreline does not agree with the photo-
compilation sheet, the differences are due to the character of the terrain. In the salt marsh area the true high water line is usually some distance inland from the edge of the grass. In some cases there was no true high water line, because the entire area would be covered by a few inches of water at high tide. The only shoreline that can be located economically by planetable methods is the edge of the grass and this is shown as a solid line. On the photographs there may be detected a difference of color in the grass that grows on solid ground and that which grows on soft mud. This dividing line was probably the one traced as the high water line. The boundary is also indicated in places by drift carried up by spring tides and in a few places it is marked by a narrow strip of sand. However it was impractical for a rodman to crawl through the mud and grass to give rod readings on this line. It is recommended that both lines be shown on the charts, one as the true high water line and the other as the grass line.

MAGNETIC MERIDIAN:

The magnetic meridian was obtained by the planetable declinoire at triangulation station UMBRELLA 1933 and has a variation $0^{\circ} 38'$ east of the true meridian.

The declinoire had been checked at Brunswick Magnetic Station where a declination of $0^{\circ} 30'$ east was obtained as compared with the correct declination of $0^{\circ} 35'$ east. Applying the declinoire correction of $0^{\circ} 05'$ east, the corrected magnetic variation is $0^{\circ} 43'$ east.

cnb
✓Map

JUNCTION:

This sheet joins sheet A on the north, sheets B and D on the east, sheet E on the south, and sheet H on the west.

The following signals were located on both sheet C and sheet A:

Signals	Discrepancies (meters)	
	Lat.	Long.
Bag	2	2
Cot	3	4
Fad	1	5
Gyn	1	2

Triangulation station LITTLE 1933 is common to sheets C and A.

The following signals were located on both sheet C and B:

Signal	Discrepancies (meters)	
	Lat.	Long.
Gon	0	0
Ile	0	5
Mif	0	0

The following signals were located on both sheet C and D:

Signal	Discrepancies (meters)	
	Lat.	Long.
Ile	3	0
Bin	2	2
Mif	4	0
Tip	3	0
Dam (called Mad on Sheet D)	2	1
Ox (called Cad on sheet D)	1	4
Jil	2	1
Tal	1	1

Triangulation station TILLA 2 1933 is common to sheets C, D and E.

The following signals were located on both sheet C and E:

Signals	Discrepancies (meters)	
	Lat.	Long.
Ene	0	0
Nor	0	0
Ada	2	1
Lab	5	0

The following signals were located on both sheet C and H:

Signals	Discrepancies (meters)	
	Lat.	Long.
Rat	5	2
Jug	0	0
Mor	0	0
Nob	1	4
And	5	0
Tan	0	3
Fang	0	1
Tun	0	3
Yaw	0	0
Ene	5	0

Triangulation station DOVER 1932 is common to sheets C and H.

PERMANENT STATIONS:

The following have been marked and described as recoverable topographic stations.

Gum ✓	Bil ✓	Tal
Key	Ver ✓	Ene
La ✓	Wren ✓	
Orb ✓	Dam (same as Mad on sheet D.)	

Several of the above are U.S.E. triangulation stations or bench marks which were located on the sheet by planetable.

Descriptions for all of these stations except Dam and Tal, (also located on sheet D) and Ene (sheet E) accompany the report for sheet C on form # 524.

Sketches of prominent objects near these stations were not furnished because the field inspection for the photo-compilation sheets was being done by Lieut. Grenell's party.

SHORELINE:

A total of 11.0 kilometers of shoreline was rodded in on this sheet.

With the exception of about 1.2 kilometers at Dover Bluff, the shoreline consists entirely of salt marsh with sloping banks of soft mud below the grass line.

In a few places some shoreline was transferred from the photo-compilation sheet to check discrepancies. All pencil lines on the topographic sheet are of no value and may as well be removed. They were not erased by the field party because the cuts to signals might have been obliterated.

NAMES:

No new names were found in use in this area.

COMPARISON WITH OLD SURVEYS:

The topography on this sheet checks very well with that of old surveys except in the marshy area between triangulation station Umbrella 1933 and Dover Cut where the present course of the smaller branches of Umbrella Creek differs slightly from that shown on previous maps. There is now a short-cut channel between signals Mid and Sag which can be used when bound from Satilla River to Dover.

LANDMARKS FOR CHARTS:

There are no landmarks for charts or nonfloating aids to navigation on this sheet.

Respectfully submitted,

Charles N. Strong
Charles N. Strong,
Surveyor, C. & G. S.

Approved and forwarded,

Hubert A. Paton

Hubert A. Paton,
Lieut. C. & G. S.,
Chief of Party.

Review of Graphic Control Survey T 6185

This sheet has been examined in connection with the review of Air photo Compilation T 5127. The projection reference station and described stations were checked and found correct. See Review T 5127 for detailed discussion.

L. C. Lande