6193

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Form 504
Rev. Dec. 1933

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

DESCRIPTIVE REPORT

6193

Topographic / ~~*Hydrographic*~~ *Sheet No.* M
Party #23.

State Georgia

LOCALITY

Wassaw Sound ~~and approaches~~

Tybee Island to Wassaw Island

1934

CHIEF OF PARTY

C. A. Egner.

U.S. GOVERNMENT PRINTING OFFICE: 1934

Form 537a
Ed. Nov. 1929

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. M

REGISTER NO. 6193

State GEORGIA

General locality WASSAW SOUND

Locality Tybee Island to Wassaw Island ~~AND APPROACHES~~

Scale 1/20,000 Date of survey MAY--JUNE, 1934

Vessel FIELD PARTY #23

Chief of party C. A. EGNER

Surveyed by S. E. GREICUS

Inked by G. FORTUNE

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated DECEMBER 5, 1933

Remarks: THIS SHEET FOR HYDROGRAPHIC AND TOPOGRAPHIC CONTROL ONLY.

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC

SHEET M

PARTY NO. 23

C. A. EGNER, CHIEF OF PARTY

REPORT TO ACCOMPANY TOPOGRAPHIC

SHEET M

INSTRUCTIONS:

Dated December 5, 1933 for combined operations for Party #23.

LOCALITY:

This sheet covers Wassaw Sound and approaches, joining sheets A', B' on the north, K on the N.W., G in Wilmington R., and E on the S. W.

PURPOSE:

To provide control for hydrography of Wassaw Sound and approcahes, and to locate shoreline at representative places for the control of aerial photography, and to provide recoverable points for futnre revision work.

SCALE:

Due to the fact that Wassaw Sound is too broad to be covered properly by a Bristol board sheet on a scale of 1/10,000, the projection of this sheet was made 1/20,000. This not only covered the main body of the sound but made possible the location of signals on adjacent sections.

INSTRUMENTS:

All work was done with a standard plane-table outfit.

METHODS:

Since there had been several triangulation stations established throughout this area no additional control was laid down. Numerous signals of a size large enough to be seen some distance were built over the area, the idea being that of having a few large signals in place of a multitude of small ones thus cutting down the labor of building and location and at the same time providing greater accuracy and simplicity in the hydrography. To further this idea, these large signals, were whenever possible, built in a straight line starting from a triangulation station and extending across the flat marsh for miles. This idea is quite apparent in several cases and later proved its worth, besides insuring greater accuracy in their location by intersection. Shoreline was rodded in at numerous setups at controlling points throughout the area.

MARKING OF STATIONS:

Numerous of these signals were marked for future recovery by means of 4"x 4" cypress posts sunk down in the marsh or sheal banks, leaving about 18" protruding. As cypress does not weather greatly in salt water these should remain for years.

RECOVERABLE STATIONS:

In addition to those noted above, the numerous triangulation stationsshould provide adequate control for future revision surveys.

LANDMARKS:

There are no landmarks within the confines of this sheet worthy of charting.

GEOGRAPHIC NAMES:

Those charted have been retained, though Tybee Creek is locally (and gererally) known as Bull River.

MAGNETIC MERIDIAN:

Taken at

CHANGES SINCE PREVIOUS SURVEYS:

Since this area has never been surveyed by aerial photography and is therefore being done with a great deal more accuracy than could be done in the past it is difficult to make a direct comparison.

LIST OF RECOVERABLE TOPO STATIONS:

Appended hereto is a list of those signals located by intersection which have been marked for recovery later.

S E Greiens

Respectfully submitted,

Approved and forwarded.

C.H. Hegner, Lieut.
Chief of Party

Topo Sheet "M"

Name	Latitude o '	Meters	Longitude o '	Meters	Description
		978		240	4"x 4"x 8' cypress 5 meters
Aft	31-55	(870)	81-01	(1336)	off H. W. L. in marsh
		141		1527	4"x 4"x 8' stake #50 8d nails
Prop	31-57	(1707)	80-58	(49)	5 meters North H. W. L.
		745		1480	4"x 4"x 8' cypress on Cabbage
Mal	31-57	(1103)	80-56	(95)	Id. Reef 5 meters off H.W.L.
		1089		229	4"x 4"x 8' cyp. stake in
Kim	31-57	(759)	80-58	(1347)	marsh 10 meters off H. W. L.
		1262		1465	4"x 4"x 8' cyp. in marsh
Lo	31-57	(586)	80-55	(111)	5 meters off H. W. L.
		139		736	4"x 4"x 8' cyp. in marsh
Rat	31-59	(1709)	80-57	(839)	5 meters off H. W. L.
		1699		664	4"x 4"x 8' cypress in marsh
Hug	31-58	(149)	80-56	(910)	5 meters off H. W. L.
		619		949	4"x 4"x 8' cyp. in marsh
Lit	31-59	(1229)	80-55	(625)	5 meters off H. W. L.
		632		1484	
Big	31-59	(1216)	80-54	(91)	4"x 4"x 8' cypress in marsh
		657		1112	5 meters off H. W. L.
Tall	31-59	(1191)	80-53	(463)	4"x 4" cypress in marsh
		973		468	4"x 4"x 8' cypress in marsh
Lar	32-00	(875)	80-55	(1106)	10 meters off H. W. L.
		1434		1327	4"x 4"x 8' cyp. in marsh
Mid	32-01	(414)	80-56	(248)	
		49		337	
Near	32-02	(--)	80-57m	(---)	4"x 4"x 8' cyp. in marsh

Review of T 6193.

This survey has been examined in connection with the review of Air photo Compilation T 5113. Refer to Compilation and report T 5113 for complete detail and discussion of this area. Shoreline on this survey ~~is~~ T 6193 is erroneous due to poor sketching and interpolation. See T 5113 for correct location. The original projections on which field work was done on this survey was correct but large errors were made in inking meridian 80°-53' and parallel 31°-55'. Correct lines have been inked in green and the green lines should be used for all plotting or scaling from T 6193

L. C. Landy