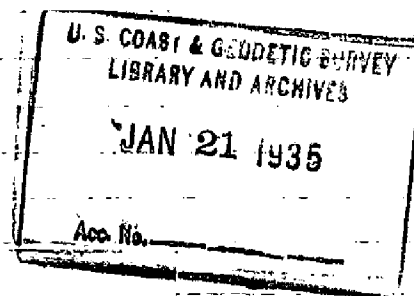


6172



Form 504 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. C 6172
State Georgia	
LOCALITY	
St. Simon Sound	
Brunswick River	
1934	
CHIEF OF PARTY	
J.A. Bond	

U. S. GOVERNMENT PRINTING OFFICE: 1934

6172

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

DEC 29 1934

Acc. No. _____

REG. NO.

6172

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form,
filled in as completely as possible, when the sheet is for-
warded to the Office.

Field No. C

REGISTER NO. 6172

State Georgia

General locality St. Simon Sound

Locality Brunswick River

Scale 1/10,000 Date of survey Feb. - Apr., 19 34

Vessel MIKAWA

Chief of party J. A. Bond

Surveyed by D. M. Watt

Inked by _____

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated Dec. 5, 19 33

Remarks: _____

...

12.

DESCRIPTIVE REPORT

To Accompany Topographic Sheets
C. G. J. & K.

St. Simon Sound to Doboy Sound, Ga.

PROJECT NO. HT-167

INSTRUCTIONS

Work on these sheets was executed in accordance with Director's instructions dated December 5, 1933, to Commanding Officer, Launch MIKAWA.

PURPOSE

These sheets were executed for the purpose of locating signals for hydrographic control, aids to navigation not previously located by triangulation and to furnish supplemental data for the reduction of air photos. Shoreline for use on boat-sheets was sketched in the field.

SCOPE

Sheet C. includes the shoreline of Brunswick River from Longitude $81^{\circ} 29'$ to St. Simon Sound. This sheet joins Sheet B. on the west and Sheet D. on the north.

Sheet G. covers Buttermilk Sound and part of Altamaha River, joining Sheet H. on the east Sheet F. on the south, Sheet J. on the west and Sheet K. on the north.

Sheet J. covers South Altamaha River, a portion of Altamaha River and the Darien waterfront on Darien River. This sheet joins Sheet G. and K. on the east.

Sheet K. covers the Darien and Rockdedundy Rivers. This sheet joins Sheet J. on the west and Sheets L. and M. on the east.

CONTROL

Existing triangulation was used for control.

METHOD OF SURVEY

Signals for hydrography were located by graphic triangulation from triangulation stations. Positions determined by three point fixes were used, when triangulation stations were not conveniently located. Short stretches of shore line were rodded in to aid in aero-photography reduction.

On Sheet J. a traverse was run through South Altamaha River for control and adjusted in field. The Darien Harbor was rodded in on this sheet.


DESCRIPTION

With the exception of a short stretch of high ground along Darien waterfront all the shoreline is marshy with grass 3 to 7 feet high.

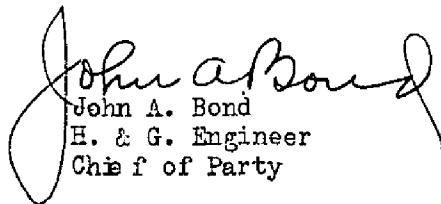
RECOVERABLE TOPOGRAPHIC STATIONS

Marked topographic stations located on the sheets are listed in accompanying table and separate descriptions for each furnished on Form 524.

Respectfully submitted:


D. M. Watt
Surveyor, C. & G. S.

Approved & Forwarded:


John A. Bond
H. & G. Engineer
Chief of Party

RECOVERABLE TOPOGRAPHIC STATIONS

SHEET C.

Name	Latitude ° ' Meters	Longitude ° ' Meters	Description
Glu	31 07 532	81 24 1118	N.W. corner of wooden bulkhead at landing.

SHEET J.

Name	Latitude ° ' Meters	Longitude ° ' Meters	Description
One	31 19 1350	81 26 1270	Center light on Altamaha River Swing Bridge.
Sis	31 20 543	81 24 849	4x4 cypress post.
Fag	31 18 496	81 25 139	4x4 cypress post.
Chy	31 19 878	81 26 68	North white chimney large brown house.
Vex	31 19 869	81 26 67	South white chimney large brown house.

SHEET K.

Name	Latitude ° ' Meters	Longitude ° ' Meters	Description
Top	31 20 1469	81 25 82	4x4 cypress post.
Gun	31 21 1128	81 21 347	4x4 cypress post.
Vex	31 22 1004	81 21 525	4x4 cypress post.

Review of T-6172

This sheet was reviewed in conjunction with this review of air photo compilation T-5224.

The projection, inked lines was poor. Meridian $81^{\circ}27'$ being 3 meters west of correct position at parallel $31^{\circ}08'$ and 1 meter west at parallel $31^{\circ}07'$; meridian $81^{\circ}29'$ is 2 meters west of correct position at parallel $31^{\circ}08'$ and is 2 meters east of correct position at parallels $31^{\circ}06'$ and $31^{\circ}05'$. Parallel $31^{\circ}06'$ is one meter south at $81^{\circ}29'$ and parallel $31^{\circ}08'$ is one meter north at $81^{\circ}29'$.

The reference station Sugar (1932) is plotted 2 meters south of correct position on the plane table sheet. Station Shoal USE (1932) is plotted $1\frac{1}{2}$ meters west of correct position from the pencil projection line. Triangulation stations No. 1 USE (Plantation Creek), Parsons USE, Cedar Hammock Front Range, and Cedar Hammock Rear Range plot correctly from the pencil projection. The projection shown by pencil line is correct.

D. H. Benson

✓ B. G. Jones