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Form 501
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: Florida

11-5813

DESCRIPTIVE REPORT.

Topog.
~~Hydrog.~~ Sheet No. 4068

LOCALITY:

East Coast

Fernandina

to

St. Johns River

1924

CHIEF OF PARTY:

F. S. Borden

DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET C
FLORIDA EAST COAST
NORTH OF ST. JOHNS RIVER
STEAMER BACHE
F. S. BORDEN, COLDG.
AUGUST
1924

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET C

INSTRUCTIONS.

The work on this sheet was done under instructions dated April 1, 1924.

EXTENT.

This sheet comprises a revision of the shore line from the St. Johns River northward for a distance of approximately 19 miles. It includes a revision survey of Fort George River and Nassau Sound, the work being carried back to a point where the topography has not changed since the old survey. An insert of approximately 4 miles of shore line on Amelia Island, north of POINT was placed in the upper right hand corner of the sheet to make proper spacing of sheets to the northward.

SURVEY METHODS.

The entire survey was done by the usual plane table method. In general, plane table traverses were run along the outside coast and three point fixes used on inside waters. Distance on most of the traverses was carried with a 100 meter wire. Traverses in all cases closed within the allowable limits.

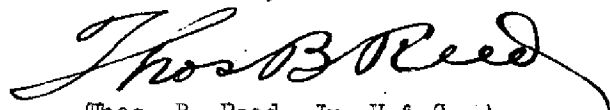
One triangulation station Δ POINT was established, ~~and~~ was ~~not~~ ~~cut~~ ~~in~~ ~~by~~ ~~triangulation~~ ~~methods~~. A sufficient number of old triangulation stations were recovered to give, with Δ POINT a good control for this survey.

CHANGES.

Considerable change was found in the shore line on this sheet especially around the mouth of Nassau Sound and Fort George River. A large island has formed in the mouth of Nassau Sound and the obb tide current in sweeping around south of this island is cutting away the north end of Little Talbot Island. The peninsula, north of the mouth of Fort George River has built south a considerable distance.


No prominent objects on shore of assistance to the mariner, other than shown on existing charts, were noted in this survey.

Respectfully Submitted,



Thos. B. Reed, Jr. H. & G. E.

Approved,



Comdg., Str. B. CHE

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON October 24, 1925.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4068

Fernandina to St. Johns River, Florida

Surveyed in 1924

Instructions dated May 8, 1924

Chief of Party, F. S. Borden.

Surveyed and inked by T. B. Reed.

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 surveys are satisfactory.
4. Attention is called to the entrance of Fort George River which has moved southward 2 miles since the previous survey that was made in 1871.
5. No additional surveying is required.
6. The character and scope of the surveying are excellent and the field drafting is good.
7. Reviewed by E. P. Ellis, October, 1925.

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.
Field Sheet C **4068**
Register No.

State . Florida

General locality East Coast

Locality . . **Fernandina to St Johns River**
~~North of St. Johns River.~~

Chief of party . F. S. Borden.

Surveyed by . . . **Thos. B. Reed**

Date of survey . **August 1924**

Scale **1 : 20,000**

Heights in feet above

Contour interval feet.

Inked by **Thos. B. Reed** Lettered by **Thos. B. Reed**

Records accompanying sheet (check those forwarded): ~~Photographs,~~

1 Descriptive report, ~~Horizontal angle books, Field computations,~~

~~Data from other sources~~ affecting sheet

Remarks:

Recovery notes, Description of triangulation station and triangulation data were forwarded with Sheet "B".