

4084

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

State: Florida

11-5013

DESCRIPTIVE REPORT.

Topographic Sheet No. 4084

LOCALITY:

East Coast

St. John's R. to Ursina Beach

1924

CHIEF OF PARTY:

F.S. Borden

DIRECTOR _____
HYDROGRAPHY _____
SALES _____
GEODESY _____

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DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET

Charts

NO. _____

(Field Letter "B")

ST. JOHNS RIVER TO URSINA BEACH
FLORIDA.

SCALE: 1: 20 000
June 1924.

Steamer BACHE,
F. S. Borden,
Commanding.

EXTENT:

This sheet comprises a revision of the shoreline from the ST. Johns river southward for a distance of approximately thirty miles. It joins the ST. Augustine Inlet sheet (Sheet "A") to the southward and recent work of the U.S. Engineers at the entrance to St. Johns river to the northward. As the shoreline for this entire distance is unbroken by inlet it was possible to make two projections on the one sheet thus avoiding the necessity of making an additional sheet.

CONTROL:

The traverse which was run along the beach in connection with revising the shoreline and locating hydrographic signals was controlled by triangulation stations recovered at frequent intervals throughout the entire distance. It was only found necessary to establish one new triangulation station, this being at the ~~extreme~~ north end of the traverse which ends on the south jetty at the entrance to ST. Johns river.

In running the traverse azimuth was carried with the plane table and distance with a 100 meter wire.

CHANGES:

No changes of any importance were found on this stretch of the coast. The shore has been cut back in some places while in others it has built out. The country immediately back of the shore line appears the same as shown on the present charts. No development has taken place on this stretch of the coast except at Pablo Beach. The present chart shows this town correctly. The two piers, one at Pablo Beach and the one at Atlantic Beach should be shown on the new chart. The Continental Hotel has burned down but the tall chimney still stands and is the only prominent landmark in this locality. The only other prominent building or landmark, in addition to those already charted, which would be of value to the mariner is the Seminole Beach Clubhouse shown as  SEM on the topographic sheet.

Approved
T. B. Reed
Comdg.



T. B. Reed.

Section of Field Records
Report on Topographic Sheet 4084.
St. Johns R. to Ursina Beach, Florida.
Surveyed in 1924.
Instructions dated May 8, 1924.

Chief of Party - F. S. Borden
Surveyed by T. B. Reed, W. D. Patterson and W. G. Craib.

1. The records conform to the requirements of the General Instructions.
2. The plan and character of the survey conform to the requirements of the General Instructions in general, but it has several shortcomings.

The magnetic meridian is not given.

The character of the coast line is not shown as called for in par. 165 of the General Instructions.

The railroad and at least a portion of the street systems of the settlements should have been surveyed. These features are plotted on the chart in their approximate positions only. The only feature shown on this survey is the shoreline which changes, and there is nothing to enable the cartographer to correctly chart town plats or railroad locations.

The name Ursina Beach was given on the title sheet, but its location on the survey is not shown.

What appears to be the same place is called North Beach by Rand, McNally & Company.

3. The extent of the survey satisfies the specific instructions.
4. The junctions with the adjoining sheets are satisfactory.
5. The sheet was inked by the field party, but the projection and triangulation prints were not verified.
6. No additional surveying is required.
7. The character and scope of the surveying and field drafting are fair.
8. 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.

Register No. **4084** (Field Sheet "B")

State **FLORIDA.** *872*

General locality **EAST COAST.**

Locality **ST. JOHNS RIVER TO URSINA BEACH.** *North*

Chief of party **F.S. BORDEN.**

Surveyed by **T.B. REED, W.D. Patterson, W.G. Craib.**

Date of survey **JUNE, 1924.**

Scale **1: 20 000.**

Heights in feet above

Contour interval feet.

Inked by **W.G. Craib** Lettered by **W.G. Craib, T. B. Reed**

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

- 1 Descriptive report 1 Horizontal angle books, Field computations,
- 1 cahier recovery notes Δ stations. 2 descriptions of Δ station.

Data from other sources affecting sheet 1 blue print of July, 1924 U.S. Engineers survey of St. Johns River. 1 chart No. 577 showing changes in shore line noted while running to and from the working ground.

Remarks:

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81715