

4373

Diag. Cht. No. 1243

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. _____ Office No. H-4373

LOCALITY

State FLORIDA

General locality EAST COAST OF FLORIDA

Locality ST. JOHNS RIVER TO URSINA BEACH

194/24

CHIEF OF PARTY

F. S. Borden

LIBRARY & ARCHIVES

DATE OCTOBER 27, 1924

4373

4373

DIRECTOR _____
HYDROGRAPHY
SALES _____
GEOGRAPHY

OCT 27 3 28 PM 24

Charts _____
OFFICE _____
RECEIVED _____

DESCRIPTIVE REPORT
TO ACCOMPANY
HYDROGRAPHIC SHEET

NO. _____

(Field Letter "B")

ST. JOHNS RIVER TO URSINA BEACH

FLORIDA.

SCALE: 1:20 000
June and July 1924.

Steamer BACHE,

F. S. Borden,
Commanding.

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EXTENT:

This sheet comprises a revision of the inshore hydrography, East Coast of Florida, from the St. Johns River, south to join the St. Augustine sheet, a distance of about thirty miles. The hydrography extends offshore to join the offshore ships hydrography previously executed.

CHANGES:

In the contour of bottom no changes of importance were noted.

DANGERS:

An old ships boiler bare about one foot at High Water is located North of Ⓞ Shack in about six feet of water.

CURRENTS:

No evidence of the Gulf Stream counter current was experienced within the limits of this hydrography. What small currents were experienced set with the wind.

LOW WATER LINE:

The low water line on this sheet was transferred from the topographic sheet.

Wm. D. Patterson

Wm. D. Patterson.

STATISTICS SHEET NO. **4373**

Field Sheet " B "

Date, 1924	Letter	Volume	Positions	Soundings	Miles	Vessels
					Statute	
June 19	a	1	74	373	16.7	Launch #2
" 20	b	1	112	409	24.1	" #2
July 7	c	1	56	197	9.3	" #2
" 8	d	1	77	310	11.8	" #2
" 8	d	2	54	219	9.0	" #2
" 9	e	2	118	468	19.3	" #2
" 16	f	2	85	438	15.8	" #2
" 21	g	2	41	196	7.0	" #2
" 8	a	1	22	190	10.0	Ship
" 9	b	1	28	218	10.6	Ship
Totals.....			657	3018	133.6	

Soundings plotted in feet.

Report on Verification and Sinking Hydrographic
Sheet No. 4373.

Ground very regular, and evidently
is sufficiently covered.

There are no unusual features
or shoal soundings to which attention
need be called.

No bottom characteristics are given
for large areas.

The plotting carefully and
accurately done, but soundings in
pencil not well spaced.

Records well kept and easily
read.

C. B. Brooke

Dec. 12, 1924

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON December 15, 1924.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4373

St. Johns River to Ursina ^{each} ~~Barre~~, Florida.

Surveyed in 1924

Instructions dated May 8, 1924.

Chief of Party, F. S. Borden.

Surveyed by F. S. Borden and W. D. Patterson.

Protracted by L. C. Wilder.

Soundings plotted by T. B. Reed.

Verified and inked by C. B. Brooks.

1. The records conform to the requirements of the General Instructions, except that bottom characteristics are given for only one-half of the ^{survey}.
2. The plan and character of development conform to the requirements of the General Instructions.
3. The plan and extent of development satisfy the specific instructions.
4. The sounding line crossings are adequate.
5. The information is sufficient for drawing the usual depth curves.
6. The usual field plotting was done by the field party. The protracting was accurately done, but soundings were often not spaced according to time intervals.
7. The junctions with adjoining surveys (including the 1924 U. S. Engineers Survey of the St. Johns River) were satisfactory.
8. No further surveying is required within the area covered by the sheet.
9. The character and scope of the surveying and protracting are excellent, the plotting of soundings is fair.
10. Reviewed by E. P. Ellis, December, 1924.

Field Records

Nov. 4, 1924.

C. I. C.

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET 4373

Locality: St. Johns River to Ursina Beach, Florida.

Chief of Party: F. S. Borden in 1924.
Plane of reference is mean low water reading
4.5 ft. on tide staff at Atlantic Beach.

For reduction of soundings, condition of records satisfactory
except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks



Chief, Division of Tides and Currents.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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HYDROGRAPHIC TITLE SHEET

The finished Hydrographic 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. 4373
Field Sheet "B".

State Florida

General locality . . East Coast

Locality St. Johns River to Ursina Beach

Chief of party . . Frank S. Borden

Surveyed by F.S. Borden & Wm. D. Patterson

Date of survey June & July 1924

Scale 1: 20 000

Soundings in Feet

Plane of reference . . M. L. W.

Protracted by . . L.C. Wilder Soundings in pencil by T.B. Reed

Inked by C.B. Brooks. Verified by C.B. Brooks.

Records accompanying sheet (check those forwarded):

Des. report, Tide books, Marigrams, 2 Boat sheets,

 3 Sounding books, Wire-drag books, Photographs.
 1 Carrier tidal curves 1 vol. Tides.

Data from other sources affecting sheet

Remarks: