

6312

U. S. COAST & GEODETIC SURVEY
LIBRARY & RECORDS DIVISION
JUL 30 1938
ACC NO

6312

Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic } Sheet No. 45
Hydrographic }

State Florida

LOCALITY

St. Johns River

Lake Beresford & Vicinity

1938

CHIEF OF PARTY

F. L. Gallen

U. S. GOVERNMENT PRINTING OFFICE

✓ CP

6312

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 45

REGISTER NO. H 6312

State Florida

General locality St. Johns River

Locality Lake Beresford & Vicinity

Scale 1:5,000 Date of survey March, 1938

Vessel Launch MIKAWA

L. D. Graham

Chief of Party F. L. Gallen

Surveyed by Raymond H. Carstens

Protracted by George E. Varnadoe

Soundings penciled by George E. Varnadoe

Soundings in ~~fathoms~~ feet

Plane of reference M.S.L.

Subdivision of wire dragged areas by

Inked by Leonard A. McGann

Verified by Leonard A. McGann

Instructions dated November 9, 1936

Remarks:

CHANNELS

In the main channel in the St. Johns River the limiting depth is 9 feet, occurring in Lat. 28° 58.24', Long. 81° 20.90'. In that section of Hontoun Dead River shown on this sheet the limiting depth is 11 feet, occurring in Lat. 28° 58.49', Long. 81° 21.78', and also in the mouth of the river. ~~Five~~ Five feet can be carried from the St. Johns River into Lake Beresford. This depth occurs in Lat. 28° 58.80', Long. 81° 20.86'. Five feet can be carried over the greater part of the lake but about 3 feet can be had at the docks at Beresford. In going upstream from Hawkinsville a narrow channel cuts off one of the bends of the river. The limiting depth in this channel is ~~2~~ feet, occurring in Lat. 28° 59.60', Long. 81° 22.60'. Log rafts are often floated out this channel and at times block navigation.

✓
This channel
not charted.

GEOGRAPHIC NAMES

Hontoun Island has been spelled several ways: This island was first surveyed by Marcellus A. Williams in 1852 and called Hontoun's Island by him. A county map made in 1932 retains this old spelling but drops the apostrophe and the s.

CS 147 M

For other geographic names see report for topographic sheets QQQ and RRR, and the report submitted by the party under Lieutenant H. A. Paton covering the air photographic survey of this region.

Submitted by,

Raymond H. Carstens

Raymond H. Carstens
Deck Officer, C. & G.S.

Approved and forwarded:

F. L. Gallen

F. L. Gallen
H. & G. Engineer
Chief of Party

S T A T I S T I C S

Date	Day Letter	Positions	Soundings	Statute Miles
Feb. 25	a	165	1425	21.0
March 1	b	128	850	13.5
2	c	143	768	13.4
4	d	<u>165</u>	<u>853</u>	<u>20.6</u>
		601	3896	68.5

Smooth sheet, field number ^{H-6312} 45, was plotted under the immediate supervision of the Chief of Party. The sheet and accompanying records have been inspected and are approved. ✓

F. L. Gallen

F. L. Gallen
Lieut. C. & G.S.
Chief of Party

Verifiers Report on H-6312 (1938)

The records conform to the requirements of the Hydrographic Manual Instructions except that on "A" day (red) the notation "heading by ranges" has been entered at the top of each page for this day, when actually curved lines had been run. Not criticised in review.

The topographic signals, ^{on H 6312 (1938)} originate with CS 147 M (1938), plane table survey. The signals in green have been spotted from topographic features on planimetric maps. Shoreline apparently O.K. Shoreline has been transferred to H-6312 from planimetric maps ^{T-5685 (1935)} which are not yet available for comparison.

The agreement of soundings at crossings is excellent.

The junctions of H 6312 with adjoining surveys will be made later as the latter are not yet verified.

The outline of tuckahoe areas shown by a Outlines mked. pencil line on the smooth sheet was added in this office by the verifier from information in the records and on boat sheet.

Leonard A. McLean.
November 28, 1938.

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H6312**

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet601
Number of positions checked32
Number of positions revised7
Number of soundings recorded3896
Number of soundings revised26
Number of signals erroneously plotted or transferred

Date: *November 28, 1938*

Verification by *Leonard A. Nelson*

Review by *J. A. McCormick*

Time: *46 hours*

Time: *5 "*

HYDROGRAPHIC SURVEY NO. E-6312

Smooth Sheet Yes

Boat Sheet Yes

Records; Sounding 3 Vols., Wire Drag Vols., Bomb Vols.

Descriptive Report Yes

Title Sheet Yes

List of Signals Vol. #1

Landmarks for Charts (Form 567) None

Statistics Yes

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) None

Special Chart for Lighthouse Service
(Circular Nov.30, 1933)

Hydrography: Total Days 4 ; Last Date March 4, 1938

Remarks

Remarks.

Decisions

1		U. S. G. B
2		U. S. G. B
3		
4		
5	See p. 2 of this report Mr. Carstens also consulted.	
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GEOGRAPHIC NAMES
Survey No. **H6312**

Name on Survey	<div style="display: flex; justify-content: space-between; font-size: small;"> On Chart No. 509 On previous survey No. T-2027(875) On U. S. quadrangle Maps From local information U.S.E. 12,606 (1907-08) On local Maps 1926 / 1927 P. O. Guide or Map Rand McNally Atlas U. S. Light List </div>									
	A	B	C	D	E	F	G	H	KUSC.R.D.	
<u>St. Johns River</u>	✓	✓						✓	✓	1
✓ <u>Lake Beresford</u>	✓	Lake Barefoot						✓	✓	2
✓ " " Bend	✓							✓	✓	3
✓ <u>Lambs Bluff</u>	✓	✓						✓	✓	4
✓ <u>Hontoon Island</u>	✓	Hunting I.		Hontoon (P. 2)	Hontoon (P. 1)			✓		5
<u>Beresford</u>						✓				6
✓ <u>Hontoon Dead River</u>										7
										8
										9
										10
										11
										12
										13
										14
Names underlined in red approved										15
by L.H. on 8/29/38										16
N.B. U.S.E. B.P. 12,606 (1907-08) is apparently										17
original basis of chart 509, its first edition										18
being Oct, 1909										19
										20
										21
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										27

LAC

TIDE NOTE FOR HYDROGRAPHIC SHEET

Division of Hydrography and Topography:

September 6, 1938

✓ Division of Charts: Attention: Mr. E. P. Ellis

Tide Reducers are approved in
3 volumes of sounding records for

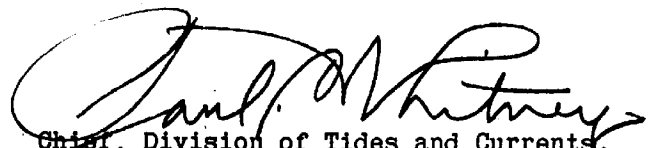
HYDROGRAPHIC SHEET 6312

Locality: Lake Beresford and Vicinity, St. Johns River, Florida

Chief of Party: L. D. Graham in 1938
Plane of reference is mean low water reading
1.9 ft. on tide staff at DeLand Landing
5.7 ft. below B.M. 1

There is no periodic tide in this area. The plane of reference is the average water level during lower river stages and corresponds approximately to the sea level datum of the Level Net.

Condition of records satisfactory except as noted below:


Chief, Division of Tides and Currents.

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT } No. H -6312
~~PROFOSTAT OF~~ } ~~REPORT~~

{ received July 30, 1938
 { registered August 27, 1938
 { verified
 { reviewed
 { approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
20			
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62			
63			
82			
83			
88			
90			

RETURN TO
 82 T. B. Reed

v JBR

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6312 (1938) FIELD NO. 45

Lake Beresford and Vicinity, St. Johns River, Florida
Surveyed in March, 1938, Scale 1:5000
Instructions dated Nov. 9, 1936 (MIKAWA)

Hand Lead Soundings.

3 Point fixes on shore signals.

Chief of Party - L. D. Graham.
Surveyed by - R. H. Carstens.
Protracted by - G. E. Varnadoe.
Soundings plotted by - G. E. Varnadoe.
Verified and inked by - L. A. McGann.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual except that the datum and reference station notes were omitted from the sheet. The necessary information was added in the office.

The Descriptive Report is complete and satisfactorily covers all items of importance.

2. Compliance with Instructions for the Project.

The survey satisfies the instructions for the project.

3. Shoreline and Signals.

- a. Shoreline originates with topographic map T-5685 (1935).
- b. Signals inked in green on the smooth sheet were spotted from topographic features on T-5685 (1935).
- c. Topographic signals originate with correction sheet CS 147M.
- d. Hydrographic signals were located by fixes recorded in the sounding volumes of the present survey.

4. Sounding Line Crossings.

Sounding line crossings are satisfactory.

5. Depth Curves.

The usual depth curves may be satisfactorily drawn.

6. Junctions with Contemporary Surveys.

The junctions with H-6311 (1938) on the north and H-6308 (1938) on the south will be considered in the reviews of those surveys.

7. Comparison with Prior Surveys.

T-2027 (1875), Scale 1:80,000.

In the area under consideration the above survey contains a single line of soundings in the St. John's River and none in Lake Beresford.

The information on the old survey is very sketchy and as it has already been superseded on the chart by later U.S. Engineers' surveys it may be disregarded in future charting.

8. Comparison with Chart 509 (New Print dated March. 14, 1938).

a. Hydrography.

Within the area of the survey the chart is based entirely on U. S. Engineers' B.P. 21063 and 21064 of 1925-26. Depths on the blueprints are in fair agreement with those on the present survey, which, however, is more closely developed and, containing much more recent information, should supersede the Engineers' surveys in future charting of the common area.

b. Aids to Navigation.

Survey positions of navigational aids in the area are in substantial agreement with the charted positions and adequately mark the features intended.

c. Controlling Depth.

The controlling depth in this portion of the St. John's River is 9 feet on the survey (descriptive report, page 2, Channels) as compared with 8 feet as of Nov. 1937 noted on the chart.

9. Field Plotting.

The field plotting was satisfactory.

10. Additional Field Work Recommended.

Supplemental instructions of Oct. 20, 1938, to the Launch MIKAWA authorize, in paragraph 8, the extension of hydrography in the Hontoun Dead River to the head of navigation if practicable. No other additional work is required.

11. Superseded Old Surveys.


Within the area covered the present survey supersedes the following survey for charting purposes;

T-2027 (1875) in part (hydrography only).

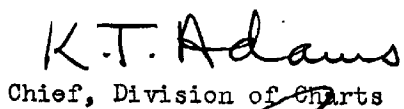
12. Reviewed by J.A. McCormick, Nov. 30, 1938.

Inspected by Harold W. Murray.

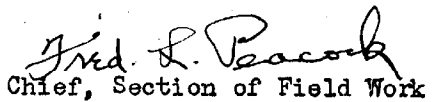
Examined and approved:



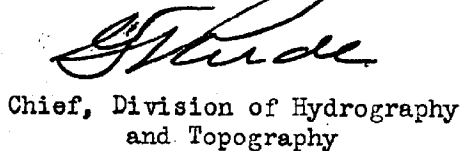
Thos. B. Reed
Chief, Section of Field Records



K.T. Adams
Chief, Division of Charts



Fred L. Peacock
Chief, Section of Field Work



G. H. Hilde
Chief, Division of Hydrography
and Topography

Applied to Chart # 688. April 30, 1940. L. Am.