

6131

U.S. COAST AND GEODETIC SURVEY  
HYDROGRAPHIC ARCHIVES

NOV 26 1935

Form 504  
Rev. Dec. 1933  
DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY  
R. S. PATTON, DIRECTOR

# DESCRIPTIVE REPORT

*Topographic* } Sheet No. 30  
*Hydrographic* }

State FLORIDA

LOCALITY

ST. JOHNS RIVER

Seminole Grove  
TROUT CREEK TO ~~HOWARD ISLANDS~~

1935

CHIEF OF PARTY

Hubert A. Paton

U. S. GOVERNMENT PRINTING OFFICE: 1934

6131

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES  
OCT 5 1936  
REG. NO.  
Acc. 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. 30

REGISTER NO. 6131

State FLORIDA

General locality ST. JOHNS RIVER

Locality TROUT CREEK TO BUZZARD ISLANDS

Scale 1:5000 Date of survey August, 19 35

Vessel PARTY NO. 26

Chief of Party Hubert A. Paton

Surveyed by L. M. Touchton

Protracted by A. H. Beazley and H. A. P.

Soundings penciled by H. A. P.

Soundings in ~~fathoms~~ feet

Plane of reference Mean Low Water

Subdivision of wire dragged areas by

Inked by McKenny

Verified by G. H. Everett

Instructions dated November 17 and December 5, 1933, 19

Remarks:

DESCRIPTIVE REPORT

to accompany

SHEET NO. 30

ST. JOHNS RIVER, FLORIDA

TROUT CREEK TO BUZZARD ISLANDS

PARTY NO. 26 - PROJECT NO. HT 168

November 19, 1935

INSTRUCTIONS:

The work on this sheet was done in accordance with instructions dated November 17 and December 5, 1935.

LIMITS:

This is a survey of the St. Johns River from a point opposite the south end of Trout Creek to the north one of the two Buzzard Islands.

JUNCTIONS:

On the north this sheet joins Sheet No. 29. There was no work done to the south of this sheet.

DATUM:

North American, 1927, Datum was used for the projection on this sheet. The Triangulation Stations were all plotted from the field computations of Lieut. K. G. Crosby, who used the line Francis, 1933 - Rodman, 1933, as a base. The graphic control sheets were on the same datum.

SIGNALS:

All signals were located by triangulation or by plane table, using aluminum mounted plates. See G. C. Sheets RR, SS, and TT.

SHORELINE:

For a description of the general character of the shoreline see the reports accompanying the G. C. Sheets of this area. Photo-topographic sheets are being compiled and the shoreline will be transferred to the smooth sheet when they are completed. The inked shoreline shown on the Boat Sheet was transferred from the G. C. Sheets where it had been sketched in by the topographers. The penciled shoreline was transferred from old surveys of the U. S. Engineers.

SURVEY METHODS:

All soundings were taken with a hand lead line, using an eight pound lead. The survey vessel was a large flat-bottom skiff, powered with an out-board-motor. On account of the floating water hyacinth found in the river, the motor did not function very well. The hyacinth clogged the pump quite frequently and caused the motor to over-heat. The floating masses of hyacinth and the varying speed of the motor all caused the speed of the boat to vary considerably.

All positions were located by the three-point-fix method. Lines were run parallel to the banks of the river at intervals of 50 meters or less. It was the intention to run cross lines every quarter of a mile but the party was disbanded before the sheet could be finished.

CHANNELS:

The channel in this section of the river has a least depth of nine feet at mean low water, which is found about 100 meters north of Beacon No. 84. The channel is not difficult to follow. From a point in mid-stream opposite the south end of Trout Creek, head for the group of piles on the east shore in the bight. A shoal makes out from the west bank which should be avoided. When about one-quarter mile south of Trout Creek, cross over toward the west bank and keep about 100 yards off this bank, passing the ruined wharf and trestle at Horse Landing on the starboard and lighted Beacon No. 63 on the port hand. When about 300 yards northwest of the mouth of Camp Branch, haul to the eastward and favor the north bank around the next bend. Continue in midstream past a wharf on the east bank which has a small clock tower on it. Follow mid-channel courses for one mile to Nashua. A large shoal has built out from the east bank, south of Nashua. Keep within 100 yards of the west bank for one-half mile until within 200 yards of Beacon No. 84, and then cross over to the east side of the river, passing 100 yards north of the beacon. Keep within 75 yards of the east bank until the north one of the two Buzzard Islands is abeam to starboard.

The bottom in this channel varies from hard sand to soft and sticky mud.

CURRENTS:

During the progress of the survey of this sheet, the following measurements of the current was made:

Date	Location	Wind		Current	
		Dir.	Force	Dir.	Force
8/1/35	Midway between Nashua and Possum Bluff	NNW	2	NW	0.7 knots
2	ditto	NNW	2	NW	0.8 "
4	at Beacon No. 84	S	1	NNW	0.75 "
6	ditto	NNE	2	W	0.06 "
7	near Trout Island	NE	1	W	0.07 "

25

30

These observations were all made during the noon hour of the date given, by means of a drift pole. Fixes were taken at the beginning and the end of the period and the force was scaled from the speed diagram on the boat sheet.

DANGERS:

The principal dangers are the bars and shoals which have been mentioned under CHANNELS. In addition to these there are many old fish traps, groups of pilings, old docks, stakes, etc., generally found near the banks of the river. One group of stakes is found in 16 feet of water about 70 meters off the west bank and 200 meters north of the old wharf at Horse Landing.

COMPARISON WITH PREVIOUS SURVEYS:

The shoal to the south of Nashua has extended into the stream considerably since the last survey. The shoal on the east side of the river, northeast of Horse Landing has an eight foot channel between it and the east bank which is not indicated on the charts. A large shoal with a least depth of 5 feet has built out from the south bank opposite Possum Bluff. The 5 foot shoal, shown on Chart No. 508, to the northwest of Beacon No. 84, has disappeared and a new one has built up to the south and southwest.

DISCREPANCIES:

Between Positions 152 and 153 E, on the cross line, a 17 foot sounding falls in a depth of about 28 feet. It is believed this discrepancy is due to an error in the recorded time and this sounding should be plotted about 20 meters to the west to agree with the other soundings. Field work was discontinued before this sounding could be disproved. It is recommended that it either be rejected or that additional soundings be taken here when field work is resumed.

*additional work is to be done in this locality  
See Review pag. 2.*

GEOGRAPHIC NAMES:

The following names appear on the charts and are in common use by the local inhabitants :

Horse Landing  
Nashua

The names Smiths Landing and Henion are not in common use at present and it is recommended they be removed from the charts. The name, Satsuma, now refers to the railroad station and settlement about two miles east of the river and this name should be moved accordingly. The name, Camp Branch, is found on Geological Survey Maps, County Maps, and is in common use by the people in this vicinity.

The following names are likewise in common use and it is recommended they be adopted for use on the charts:

Trout Island  
Trout Creek  
Possum Bluff  
Seminole Grove  
Buzzard Islands

Buzzard Islands are the two small islands north of Turkey Island. Trout Island is the largest of the Seven Sisters Islands, which term is still applied to the group. Possum is not spelled Opossum.

MISCELLANEOUS:

Lists of Landmark and Aids to Navigation have been submitted with the G. C. Sheets.

The water hyacinth was quite a problem in this area during the period field work was in progress. It was impossible to sound in close to the banks in several places and frequently the work had to be rearranged because the hyacinth had shifted position with a change of wind. For an additional discussion of this menace, see descriptive report accompanying Sheet No. 27.

This sheet is not considered ~~was~~ finished. Field work was discontinued before all the shoals and critical depths could be thoroughly developed. Several cross lines were omitted. The two streams, Camp Branch and Trout Creek, should be surveyed after the shore line is compiled, if they are not clogged solid with water hyacinth.

STATISTICS:

Total number of positions	945
Total number of soundings	4101
Statute miles of sounding lines	49
Area in square statute miles	3.3

Respectfully submitted,

*Hubert A. Paton*  
Hubert A. Paton,  
Lieut. C. & G. S.

APPROVAL SHEET.

This sheet and records have been examined and are approved.

*Hubert A. Paton*  
Hubert A. Paton,  
Chief of Party

HYDROGRAPHIC SURVEY NO. H6131

Smooth Sheet yes

Boat Sheet yes

Sounding Records 3 Vols. \_\_\_\_\_

Descriptive Report yes

Title Sheet yes

List of Signals Vol 1

Landmarks for Charts (Form 567) yes

Statistics yes

Approved by Chief of Party yes

Recoverable Station Cards (Form 524) none

Special Chart for Lighthouse Service no  
(Circular Nov. 30, 1933)

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H.6131**

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

Number of positions on sheet	945..
Number of positions checked	101..
Number of positions revised	5..
Number of soundings recorded	4101..
Number of soundings revised	11..
Number of signals erroneously plotted or transferred	.....

Date: Nov. 21, 1936

Verification by G. H. Everett  
Inked by McKenny

Review by R. J. Christman

Time: 22 hrs  
17 1/2 hrs

Time: 10 1/2 hrs

## VERIFIERS REPORT ON H-6131

1. Requirements. The records conform to the requirements ✓  
of the General Instructions.

2. Curves. The 6-foot curve is broken along the river ✓  
banks. All deeper curves including the 30-foot curve may  
be completed.

3. Field Plotting. The field plotting was very well done. ✓

4. Junctions. Junction with H-6130 to the north is ✓  
satisfactory. There is no contemporary survey to date ✓  
joining the south limit of this sheet.

### 5. Remarks.

This sheet was inked and verified with out a Boat  
sheet. The Boat sheet had been returned to the field.

(a) Topography. Refer to T-6391; T-6393; T-6394, all ✓  
1935 graphic control plane table surveys.

The shore line was inked by the field party from ✓  
air-photo compilation sheets, not received in the office  
to date.

all references to piling, stakes etc. referred to MHW  
are from the topo sheets. It is stated in the topo (T-6393)  
report that heights given on topo sheets are referred to  
MHW. References to MLW are from the records where the  
records differ, "the records were accepted in preference to Topo sheet."

Signal "Way" on hydro sheet is called "May" on T-6393 ✓

Signal "Tut" on hydro sheet is called "Tot" on T-6391 b.

It is noted that the tree-line on the west bank of the  
river is probably not the high-water line. Numerous  
notes in the records giving estimated distances to bank  
would put the bank in every case some distance out side of  
the tree line.

The usual symbol for fish stakes was used on  
the hydro sheet and not the symbol shown on topo sheets. ✓

b. Discrepancies. There are no discrepancies between the hydro and tops in the location of piles, stakes, etc.

X-Line (Pos. 152 E) containing the 17-foot sounding mentioned in the D.R. (Lat  $29^{\circ}-33.15$ ; Long  $81^{\circ}-41.95$ ) is probably an error in recording or leading by 2 fathoms. A recorded depth of 4-5 (increase of 2 fathoms) would agree with adjacent soundings. It is not likely to be an error in time. Since additional work is to be done on this sheet the sounding (17 feet) has not been inked.

c. ~~Anchor~~ Description of Signals

Pil is a pile with a wreck alongside. See D.R. for T-6391b.

N.6 is probably a pile or stake at end of fish trap - no definite descriptions given

Nature of all signals given are from tops sheets.

There are no descriptions for other signals, unless they are on the boat sheet which was not at hand at time of verification.

Submitted Nov. 21, 1936

J. H. Everett

GEOGRAPHIC NAMES

Survey No. H6131

Name on Survey	<div style="display: flex; justify-content: space-between; font-size: small;"> <span>On Chart No. 508</span> <span>On previous survey No. T-2027</span> <span>On U. S. quadrangle Maps</span> <span>From local information D.R. 1834</span> <span>On local Maps</span> <span>P. O. Guide or Map</span> <span>Rand McNally Atlas</span> <span>U. S. Light List</span> </div>										
	A	B	C	D	E	F	G	H	K		
<u>Trout Island</u> *				✓							1
<u>Trout Creek</u> *				✓							2
<u>Horse Landing</u> *	✓	✓	✓	✓							3
<u>Possum Bluff</u> *				✓							4
<u>Camp Branch</u> *			✓	✓							5
<u>St. Johns River</u> *	✓ app'd										6
<u>Nashua</u> *	✓	✓	✓	✓							7
<u>Seminole Grove</u> *				✓							8
<u>Buzzard Islands</u>				✓							9
<u>Seven Sisters Is.</u>	✓	✓	✓	to group							10
<del>Sixth Landing</del>	✓	✓		delete							11
<u>Satsuma</u>	✓		Satsuma Hghts.	✓ shift name		✓	✓				12
<del>Naxip</del>	✓			delete							13
<u>Florida</u> *											14
											15
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											25
<div style="border: 1px solid black; padding: 5px; display: inline-block;">                 Names underlined in red approved                  HAE on 4/3/37             </div>											26
											27

RAC

Form 712  
DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
Ed. Feb. 1935

### TIDE NOTE FOR HYDROGRAPHIC SHEET

October 28, 1936.

Division of Hydrography and Topography:

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

Plane of Reference

~~Tide Records~~ are approved in

3 volumes of sounding records for

HYDROGRAPHIC SHEET 6131

Locality St. Johns River, Fla.-Trout Creek to Buzzard Ids.

Chief of Party: H. A. Paton in 1935


Plane of reference is mean low water reading

2.9 ft. on tide staff at Buffalo Bluff

10.7 ft. below B.M. 1

Height of mean high water above plane of reference is 1.0 ft.

Condition of records satisfactory except as noted below:

  
Chief, Division of Tides and Currents.

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
 DESCRIPTIVE REPORT  
~~PHOTO STAT # 87~~

No. H6131

~~NO. # 77~~

received Oct. 5, 1936  
 registered Oct. 27, 1936  
 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			
✓ 22		<i>gop</i>	<i>D. R. page 4</i>
24			
✓ 25			<i>D. R. pages 2 &amp; 3</i>
26			
✓ 30			<i>D. R. pages 2 &amp; 3</i>
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	C. K. Green
----	-------------

✓

## TIDE NOTE FOR HYDROGRAPHIC SHEET

April 1, 1937.

Division of Hydrography and Topography:

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

Tide Reducers are approved in  
/ volumes of sounding records for

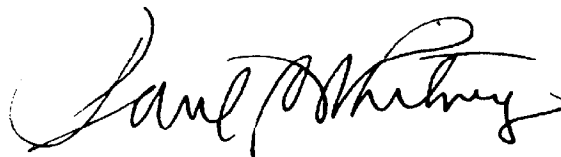
HYDROGRAPHIC SHEET 6131 *add. Wk.*

Locality Trout Creek to Buzzard Islands, St. Johns River, Fla.

Chief of Party: L. D. Graham in 1937  
Plane of reference is mean low water reading  
2.6 ft. on tide staff at Buffalo Bluff  
10.7 ft. below B.M. 1

Height of mean high water above plane of reference is 1.0 foot.

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6131 (1935) FIELD NO. 30

Trout Creek to Buzzard Islands, St. Johns River, Florida  
Surveyed in August 1935, Scale 1:5,000  
Instructions dated Nov. 17 and Dec. 5, 1933 (H. A. Paton)

Hand Lead Soundings.

3 Point fixes on shore signals.

Chief of Party - H. A. Paton.  
Surveyed by - L. M. Touchton.  
Protracted by - A. H. Beazley, and H. A. Paton.  
Soundings penciled by - H. A. Paton.  
Verified and inked by - C. F. McKenney and G. H. Everett.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual.

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

2. Compliance with Instructions for the Project.

The plan and character of development are in accordance with the instructions for the project. Field work was discontinued before the entire area was completed and the further work required is covered by instructions to the Launch MIKAWA under date of Nov. 9, 1936, par. 13b.

3. Shoreline and Signals.

The shoreline was inked on the sheet by the field party from air photo compilations that are not yet available in the office.

Topographic signals are derived from graphic control surveys T-6391b (1935), T-6393 (1935) and T-6394 (1935).

4. Sounding Line Crossings.

The field work was closed before cross lines could be run in the river south of latitude  $29^{\circ} 32.5'$ . The cross lines north of this latitude are satisfactory except that a doubtful 17 foot sounding (pos. 152 - 153E day) in latitude  $29^{\circ} 33' + 205$  m., longitude  $81^{\circ} 41' + 1560$  m. falls in depths of about 28 feet. Other soundings on this cross line are from 1 to 3 feet shoaler than depths on the regular system of lines. Additional work is to be done in this locality under the instructions mentioned in par. 2 of this review. (Also see "Discrepancies" page 3 of the Descriptive Report).



5. Depth Curves.

The survey is incomplete and additional work is necessary in a number of places to completely define the depth curves. In the completed areas the usual depth curves can be satisfactorily drawn.

6. Junction with Contemporary Surveys.

The junction with H-6130 (1935) to the north is satisfactory.

There is no contemporary survey to the south at this time.

7. Comparison with Prior Surveys.T-2027 (1875).

This survey is a reconnaissance on scale 1:80,000 showing a single line of soundings in this portion of St. Johns River. The information has been superseded on the charts by later U. S. Engineer surveys and the above survey need not be considered in future charting.

8. Comparison with Chart 508 (New Print dated April 4, 1935).a. Hydrography.

The chart is based on surveys by the U. S. Engineers in 1907-8 and in 1925-6. The latter survey is shown on blueprint 21054 and 21055. The survey is on a scale of 1:12,000 showing a single channel line of soundings with cross lines which serve to show the width of the channel only and are not sufficiently detailed to make a close comparison with the present survey. Most of the differences listed under "Comparison with Previous Surveys" on page 3 of the Descriptive Report are believed due more to the closer development of the present survey than to actual changes in the river channel. However, because of the large scale and close development of the present survey all prior surveys should be superseded by H-6131 (1935) for charting.

b. Aids to Navigation.

The charted positions of the two lighted beacons falling within the area of the present survey are in agreement with their positions as determined by the graphic control survey.

c. Controlling Depth.

Within the limits of the present survey a controlling depth of 9 feet (latitude 29° 30.5', longitude 81° 40.75') was found in the channel northward of lighted beacon No. 84.

The chart note gives the controlling depth at mean low water between Palatka and Sanford as 8 feet (see Chart Letter 218 of 1936). These towns are beyond the limits of the present survey.

9. Field Plotting.

The field plotting was very well done.

10. Additional Field Work Recommended.

The additional work needed to complete this survey was specified in par. 13b of the instructions to the Launch MIKAWA, dated November 9, 1936, following a preliminary examination of the survey and in advance of this review. The boat sheet showing additional lines desired, was forwarded to the field at that time.

11. Superseding Old Surveys.

Within the area covered the present survey supersedes the following survey for charting.

T-2027 (1875) in part (contains hydrography)

12. Reviewed by - R. J. Christman, Dec. 2, 1936.

Inspected by - A. L. Shalowitz.

Examined and approved:

C. K. Green, *C. K. Green*  
Chief, Section of Field Records.

*Fred. R. Basech*  
Chief, Section of Field Work.

*F. O. Follett*  
Chief, Division of Charts.

*G. Heide*  
Chief, Division of H. & T.

Applied to Chart Comp. 687 December 9, 1939. H. E. MacSwan.

6131

Additional work  
1937

U. S. COAST & GEODETIC SURVEY  
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Acc. No. \_\_\_\_\_

Additional work  
1937

6131

Form 504  
Rev. Dec. 1933  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
R. S. PATTON, DIRECTOR

**DESCRIPTIVE REPORT**

*Topographic* } Sheet No. 30  
*Hydrographic* }

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State Florida

LOCALITY

St. Johns River  
Seminole Grove  
Trout Creek to Buzzards Islands.

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1937

CHIEF OF PARTY

L. D. Graham

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

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. 30

REGISTER NO. H-6131 (Addl. Wk. 1937)

State Florida

General locality St. Johns River

Locality Trout Creek to ~~Buzzard Islands~~ <sup>Seminole Grove</sup>

Scale 1 : 5,000 Date of survey Feb. 8 to 24, 19 37

Vessel MIKAWA

Chief of Party L. D. Graham

Surveyed by G. W. Lovesee

Protracted by *L. D. Graham*

Soundings penciled by *L. D.*

Soundings in ~~XXXXXX~~ feet

Plane of reference Mean Low Water

~~Subdivision of wire dragged areas by~~

Inked by *L. D. Graham*

Verified by *L. D.*

Instructions dated Nov. 9, 19 36

Remarks: This Title Sheet was executed in the Office

*Additional work by L. D. Graham Feb. 1937 indicated by blue day letters and position numbers.*

*Names Marked \**  
*to be inked on*  
*this sheet only*

Remarks

Decisions

1		
2		
3		
4		
5		
6		USGB decision
7		
8		
9		Duplicates chtd "Puzzard I." to No. At present not recommended
10		
11		
12	"Satsuma" R.R. Guide on A.C.L.	change pos. on chart.
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27		

SUPPLEMENTAL REPORT TO ATTACH  
TO DESCRIPTIVE REPORT ACCOMPANYING  
SHEET No. 30

ST. JOHNS RIVER, FLORIDA.  
TROUT CREEK TO BUZZARDS ISLANDS.

Launch MIKAWA - Project No. 212

1 This supplemental report is to be attached to the descriptive report on file in the Washington Office. The original report is from Party No. 26, Project No. HT-168, Lieutenant H. A. Paton, Chief of Party. The report is dated November 19, 1935. The Washington Office file No. is 6131.

2 Additional work was executed in February 1937, as listed in the instructions for field work to the Commanding Officer Launch MIKAWA, dated November 9, 1936.

3 The cross line from shore to shore at Latitude  $29^{\circ} 33.1'$  was rerun and checked the lines crossed.

4 Split lines were run as indicated on the boat sheet to develop the areas shown.

5 The 17 foot sounding at Latitude  $29^{\circ} 33.1'$ , Longitude  $81^{\circ} 41.97'$  was searched for, for 30 minutes and was not found, see note in record book, sheet 30, volume 4 page 6. This 17 foot sounding was probably 2 fathoms deeper and the mistake made by either the recorder or leadsmen. It is recommended this sounding be changed to 29 feet.

*\*The 17 is evidently erroneous and has been replaced by a 23 ft. sounding for reasons stated by Field Party.*

6 Inshore lines were run as instructed. The inshore line on the west side of the St. Johns River between latitudes  $29^{\circ} 32.5'$  and  $29^{\circ} 33'$  was run 10 to 20 meters off the trunks of the trees which overhang the river. The shoreline here is shown as being much further back on the boat sheet, and while the water line may be as shown on the boat sheet it is impossible to navigate under the tree limbs.

7 The shoal area at Latitude  $29^{\circ} 30.15'$ , Longitude  $81^{\circ} 40.76'$  was developed. This shoal extends to the northeast from the small island at signal ONA and is covered with Hyacinth and long stem grass.

Submitted by,

Forwarded and approved,

*L. D. Graham*

L. D. Graham  
H. & G. Engineer  
Chief of Party

*George W. Lovesee*  
George W. Lovesee  
Jr. H. & G. Engineer

LIST OF STATISTICS  
SHEET 30.

Date	Day	Statute miles	Soundings	Positions.
Feb. 8	A	1.5	199	42
9	B	5.0	399	94
10	C	3.0	242	52
24	D	<u>0.5</u>	<u>56</u>	<u>13</u>
		10.0	896	201



The boat sheet and new records have been examined and are approved.

A handwritten signature in cursive script, appearing to read "L. D. Graham".

L. D. Graham  
H. & G. Engineer  
Chief of Party

Verification of <sup>1937</sup> Additional Work on H-6131(1935)

Executed Feb. 8 to 24, 1937.

L. D. Graham, Chief of Party.

1. The additional work was done in accordance with the instructions dated Nov. 9, 1936.
2. The Descriptive Report on the additional work is brief but covers all matters of importance.
3. Work on the Smooth Sheet H-6131(1935)

(a) Control.

1. Graphic Control surveys T-6391(1935), T6393(1935), and T-6394(1935).
2. Recovered 1935 signals. Check angles were taken when necessary to positively check the location of old signals.
3. New hydrographic signals, determined by sextant angles, are shown in blue on the smooth sheet. They are listed on page 2 of volume 4 (Add'l Work). Signal CUD is from pencil cuts on T-6391b. (Returned from the Field April 27, 1937.)

(b) Description of signals:

Description of signals as stated in the verification report of H-6131(1935) last paragraph---- "Nature of all signals given are from topo sheets". No additional descriptions were found on the Boat Sheet except for ROD. The inked note "W gable red roof dock house" on the Boat Sheet has been added to the Smooth Sheet. Several other signals south of Lat 29°31' and which fall within the limits of T-6394 do not have descriptions. The description of signal INK(BN84) is the only description for on T-6394 recorded in the card file of descriptions. Signals now shown on the smooth sheet without description are probably of a temporary nature, however, when T-6394 is returned it may contain additional information, which may be properly added to the smooth sheet within the common area.

Signals ZIP, WAY, WIL, and TEK do not exist at the present time; see pages 8 and 9 Vol. 4 (Add'l Work). To be disposed of by the Reviewing Section.

Shoreline.

The shoreline was inked by the Field from air photo compilation surveys - not received by this office to date. *Not recd, Dec 23/37*

(c) Additional Sounding lines.

1. The new 1937 sounding lines are in excellent agreement with the old work(1935).
2. Minor adjustments were made in the curves where the additional work gave more detail.
3. A least depth of  $\frac{1}{2}$  foot was obtained at Lat. 29°32.68'; Long. 81°42.14'. This shoal was found to extend 120 meters south of the <sup>southern</sup> limit shown by the 1935 work.
4. The stake in Lat 29°30.79 Long. 81°40.73' does not exist at the present time, see page 43 Vol 4 (Add'l W'k) To be disposed of by the Reviewing Section. *\* Removed from sheet*
5. The 17 foot sounding in Lat. 29°33.1; Long 81°41.97 has been disproved by the additional work. It has been changed to 29 feet as recommended by the Field.
6. Only two crosslines of additional work were run, both are in good agreement with lines run normal to them.
7. Additional sounding lines run in Feb. 1937 are identified by blue position numbers and day letters.

Dec. 8. 1937.

Plotted, verified and inked by

Leo S. Straw. *Leo S. Straw*

*Miscellaneous  
No location was given for a fish trap mentioned  
in pgs. 11 D, page 50 Vol. 4. In the absence of  
the location, the words "Fish Trap" was added  
close to the position.*

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. .... **H6131** (Addl Wk.)  
1937

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

Number of positions on sheet	291
Number of positions checked	2
Number of positions revised	0
Number of soundings recorded	896
Number of soundings revised	0
Number of signals erroneously plotted or transferred	0

Date: Dec. 7.

Plotting,  
Verification by *[Signature]*  
Ink

Time: 14 da 3 1/2 hr.

Review by

Time:

HYDROGRAPHIC SURVEY NO. H-6131 (Addl. Wk. 1937)

Smooth Sheet Original One

Boat Sheet Original One

Sounding Records One Vols. \_\_\_\_\_

Descriptive Report Yes

Title Sheet Yes (Made in the Office)

List of Signals Yes (Vol. #4)

Landmarks for Charts (Form 567) Yes

Statistics Yes

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) None

Special Chart for Lighthouse Service None  
(Circular Nov. 30, 1933)

Remarks \_\_\_\_\_

HYDROGRAPHIC  
4 Days  
Feb. 24, 1937

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6131 Add'l. Work (1937) FIELD NO. 30

Trout Creek to Seminole Grove, St. Johns River, Florida  
Surveyed in February 1937, Scale 1:5,000  
Instructions dated November 9, 1936 (MIKAWA)

Hand Lead Soundings.

3 Point fixes on shore signals.

Chief of Party - L. D. Graham.  
Surveyed by - G. W. Lovesee.  
Protracted by - L. S. Straw.  
Soundings plotted by - L. S. Straw.  
Verified and inked by - L. S. Straw.

1. Purpose of Survey.

The purpose of this survey was to accomplish work in the areas enumerated in paragraph 13c of the Instructions, pursuant to a preliminary examination of the original work and prior to review. This included the running of split lines, a development of a shoal, and an investigation of a doubtful sounding.

2. Signals.

- (a) Several hydrographic signals were determined on this survey and the cuts are recorded in Vol. 4. Most of these signals fall outside the high water line, and are without any description. It is assumed that they are on features that are of no chartable value.
- (b) Topographic signals Zip, Way, Wil and Tek of the 1935 work, were found to be non-existent in 1937. (Pages 8, 9 of Vol.4)

3. Results of Survey

The additional work fully complies with the instructions. In addition to disproving the doubtful 17 foot sounding in the 1935 work in latitude  $29^{\circ} 33'$ , plus 205 m., longitude  $81^{\circ} 41'$  plus 1560 m. materially less water was found on the shoal in latitude  $29^{\circ} 32.68'$  longitude  $81^{\circ} 42.14'$ . One half foot is now the least depth on this shoal instead of 3 feet.

4. Reviewed by - G. Risegari, December 23, 1937.

Inspected by - A. L. Shalowitz.

Examined and approved:

C. K. Green, *C. K. Green*  
Chief, Section of Field Records.

*R. O. Lobbut*  
Chief, Division of Charts.

*David L. Peacock*  
Chief, Section of Field Work.

*Stude*  
Chief, Division of H. & T.

Applied to Chart Comp 687 December 9, 1939. H. Mae Ewen