

# 6536

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

## DESCRIPTIVE REPORT

~~Topographic~~ }  
Hydrographic } Sheet No. H-6536

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

JUL 25 1940

Acc. No. ....

State Florida

LOCALITY

St. Johns River

Trout Creek

1920

23

CHIEF OF PARTY

F. L. Gallen

U. S. GOVERNMENT PRINTING OFFICE

# 6536

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. 49

H6536

REGISTER NO. H-6536

State Florida

General locality ~~Trout River Creek~~ Jacksonville

Locality Jacksonville Trout Creek River

Scale 1:5000 Date of survey January, 1939.

Vessel Launch MIKAWA

Chief of Party F. L. Gallen

Surveyed by E. L. Jones

Protracted by H. J. Bozzo

Soundings penciled by H. J. Bozzo

Soundings in ~~fathoms~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by

Inked by H. A. Wilde

Verified by H. A. Wilde

Instructions dated October 20, 1938.

Remarks:

## DESCRIPTIVE REPORT

To Accompany Hydrographic Sheet #H-6536 (1939)

INSTRUCTIONS - (Supplemental) Oct. 20, 1938, Project HT-212

### SURVEY METHODS

The shoreline and the air photographic control (signals encircled in red) were furnished by Lieutenant H. A. Paton from air photographic surveys made in Palatka, Florida. The shoreline was enlarged from the scale of the air photographic survey\* (1:10,000) to the scale of the hydrographic survey (1:5,000) by a projector. The signals were scaled from the original sheet and plotted on both the boat sheet and the smooth sheet.

\* T-5668, T-5669  
of 1939

The air photographic signals were recovered and additional hydrographic signals were located from them by Lieutenant (j.g.) E. B. Brown. Additional signals located by sextometer methods are shown on the sheet by blue circles; signals spotted from the air photographic shoreline are shown in green with a two letter name.

The hydrography on this sheet is visual fix control except in the narrow reaches of the river and along the shoreline where positions were spotted from the adjacent topography. Sounding lines close inshore were run parallel with the shoreline, while those offshore were run parallel to the axis of the stream. The soundings were taken with a 6 pound lead from a 25 foot skiff powered by a  $9\frac{1}{2}$  H.P. outboard motor.

### DISCREPANCIES

Where discrepancies with the air photographic survey were found by the hydrographic party they were called to the attention of the air photographic party in Palatka, Florida for further examination with the photographs and have been shown correctly on the smooth sheet.

T-5668  
Corrected  
to agree  
with Hydro  
B.G.J.

The shoreline SW of signal Eye at Lat.  $30^{\circ} 26.2$ , Long.  $81^{\circ} 46.0$  was corrected by the hydrographic party on the boat sheet. It was transferred to the smooth sheet in blue\* ink. Position 17a could not be plotted as it was "see boat sheet" and this portion of the boat sheet was destroyed by fire.

\* changed to  
blue ink  
HAC

### BRIDGES

Taped bridge clearances obtained by the hydrographic party have been shown on the smooth sheet and are recommended for charting. The vertical clearance was measured from an estimated mean high water as found on the bridge piling. The bridge clearances on the highway bridge over the Trout River at the east limits of this sheet agree closely with the clearances listed in the Corp. of Engineers publication "List of Bridges over Navigable Waters of the United States" except that

there is now about 2 feet more clearance in the left draw than that listed. The clearances and information on this bridge were noted on the boat sheet but as this portion of the boat sheet was burned this information should be obtained from the above mentioned publication.

GENERAL

At present Trout River is used only by fishing parties in small boats. The river and its tributaries are completely free from hyacinths and from marsh grass growing in the water.

DANGERS

A snag is along the north edge of the channel at Lat. 30° 25.1, Long. 81° 42.8.

A wrecked barge in Lat. 30° 26.2, Long. 81° 45.7 extends from the east shoreline out to about midstream and bares 1/2 ft. above mean high water.

Old piling block the mouth of Big Trout Creek in Lat. 30° 26.3, Long. 81° 45.9. The piling extend above high water and have a 5 foot boat opening through them in midstream.

Big Trout Creek is completely blocked by fallen trees at signal To except for small skiffs.

Little Trout Creek is blocked by fallen trees about 150 yards from its mouth.

Except for the above there are no other dangers to navigation in the area surveyed.

CHANNELS

A number of years ago lumber companies interested in towing logs out of the Trout River, dredged a channel <sup>defined by (curve)</sup> across the flats to the west of the Lem Turner Road bridge, the existence of which may still be seen on this hydrographic survey. The deepest water across these flats, from the bridge, is on a course of due west (true) until within 350 yards of a sharp marsh point <sup>(Mop)</sup> on the right, thence favor slightly the south shore passing 40 yards left of a snag extending above high water until the narrower part of the river is reached. In the narrower parts of the river the deepest water is in midstream except at the ebb tide bends.

The controlling depth from the Lem Turner Road bridge to Nine Mile Creek is 6 1/2 feet. The controlling depth from Nine Mile Creek to the highway bridge in Lat. 30° 26.3, Long. 81° 45.8 is 4 feet.

\* This depth may be carried 1 mile further upstream.

COMPARISON WITH PREVIOUS SURVEYS

There have been no previous hydrographic surveys in the area covered by this sheet. A satisfactory junction was made with hydrographic survey #6127 made by Lieutenant (j.g.) G. W. Lovesee in 1935 at the bridge in (1935)

Lat. 30 25.0, Long. 81 41.8.

TOPOGRAPHIC AND HYDROGRAPHIC STATIONS

Put - offshore end of wrecked wharf  
Cow - tall telephone pole  
Hat - " " "  
Bad - Offshore end of dock  
Dub - " " " "  
Ink - North gable small white house  
Joe - offshore end of dock  
Pus - north gable of boat house  
Que - offshore end of dock  
Cat - temporary stake  $\frac{1}{2}$  meter off high water line  
Tit - temporary stake on edge of marsh grass  
Urn - " " " " " " "  
Vim - temporary stake  $\frac{1}{4}$  meter inshore from edge of marsh grass.  
Sot - temporary stake  
Rum - " "  
Hix - " "  
Mop - " "  
Bot - offshore end of temporary dock  
Nut - temporary stake on high water line  
Ale - offshore end of temporary dock  
Old - temporary stake 1 meter off high water line  
Ben - north gable of shed  
Erg - temporary stake on high water line  
Joy - " " " " " "  
Dow - lone pine tree  
Obo - temporary stake on high water line  
Nun - " " " " " "  
Jig - " " " " " "  
Les - temporary stake 2 meters inshore from high water line  
Cot - offshore end of dock  
Kim - overhanging tree 2 meters off high water line  
Can - temporary stake  
Do - temporary stake on high water line, 3 meters south of creek  
Ra - temporary stake  
Bed - " "  
Me - temporary stake on high water line  $2\frac{1}{2}$  meters SE of creek  
So - bush on high water line, 2 meters east of creek  
Fa - temporary stake on high water line  
And - temporary stake  
La - temporary stake on high water line  
Boy - temporary stake  
Did - small tree  
Te - tree  $\frac{1}{2}$  meter inshore from high water line  
Foo - tree  
Ear - northeast gable of shed  
Big - northwest gable of porch on house  
Con - northwest gable of long shed.  
Ace - tree  
Ve - tree on high water line  
Fat - northeast gable small barn  
Har - tree  
Wo - temporary stake  
Del - on guard rail of bridge  
Cop - NW Gable of house on whf.  
Era - temp.stake on H.W.L.  
Kay - banner on w.face of br.  
Or - tree  
Eye - center and on east face bridge  
To - tree  
Fun - south gable of 2 story house

RECOVERABLE STATIONS

Recoverable topographic stations for this sheet will be submitted on the air photographic survey of this area. There are no recoverable hydrographic stations on this sheet.

Geographic names

Geographic names for this sheet will be submitted with the air photographic survey of this area by the party of Lieutenant H. A. Paton in Palatka, Florida.

Geographic names shown below were obtained during the hydrographic survey.

Trout River ✓	x	x	x	x	x	x	x	
West Branch ✓	x							Cr. $\frac{1}{2}$ mile w of Lem Turner Rd. Bridge
Island Branch ✓	x							Cr. 1 mile w of Lem Turner Rd. Bridge
Cold Hill ✓	x	x						wooded hill along shoreline
Shields Landing ✓	x	x						sand beach $\frac{1}{2}$ mile E of Nine Mile Creek
Nine Mile Creek ✓	x	x	x	x			x	x
Halls Branch ✓	x	x						Cr. $\frac{1}{2}$ mile N.W. of Nine Mile Creek
Little Trout Creek ✓	x	x	x	x				
Big Trout Creek ✓	x	x	x					
Blockhouse Creek ✓	x					x		Cr. $\frac{1}{2}$ mile E of Lem Turner Rd. Bridge

J.P.Turner  
T.D.Yarber  
T.J.Pfister  
T.M.Pickett  
J.I.Longbre  
Duval Cy.Map  
U.S.G.Map

Mr. Turner, whose address is R.F.D. #3 Box 486, Jacksonville, Fla., has lived on Trout River for over 50 years, and was by far the best informed on local names of any of the local residents contacted.

Mr. Yarber, whose address is Dinsmore, Florida, is employed by the State Forest Service in this vicinity.

Mr. Pfister and Mr. Pickett both receive their mail at Dinsmore, Fla.

Mr. Longbre, whose address is Jacksonville, Fla., has a summer cottage on Blockhouse Creek.

Halls Branch is named on the Duval County Engineers Map "Half Creek" while Mr. Pfister has always known it as Lofton Creek.

Only the geographic names verified from three or more sources are recommended for charting and are shown in the above list. These names have been penciled on the smooth sheet. The rest of the names listed are shown on the boat sheet and may be of value to the air photographic survey or to later surveys in this area.

NOTE:

The hydrography on this sheet was accomplished by Lieut.(j.g.) E. L. Jones. Mr. Jones was transferred from this party before the smooth copy of this report was written and it is therefore transmitted without his signature.

Approved and forwarded:



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

H6536

STATISTICS

Date	Day	Statute Miles	Soundings	Positions
Jan.16	a	12.4	753	153
17	b	13.9	976	173
18	c	1.5	110	37
		<hr/>	<hr/>	<hr/>
		27.8	1839	363



Smooth sheet No. H-6536<sup>A</sup> was plotted under the immediate super-  
(1938)  
vision of the Chief of Party. The sheet and records have been in-  
spected and are approved.



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

LAC  
HRE.

# TIDE NOTE FOR HYDROGRAPHIC SHEET

August 6, 1940

Division of Hydrography and Topography:

✓ Division of Charts: Attention: Mr. H. R. Edmonston

Tide Reducers are approved in  
2 volumes of sounding records for

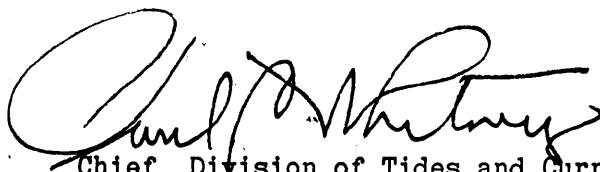
HYDROGRAPHIC SHEET 6536

Locality Trout River, St. Johns River, Florida

Chief of Party: F. L. Gallen in 1939  
Plane of reference is mean low water reading  
1.6 ft. on tide staff at Trout River  
14.3 ft. below B.M. 1

Height of mean high water above plane of reference is 1.7 feet.

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

GEOGRAPHIC NAMES

Survey No. **H6536**

Name on Survey	Source										
	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	K		
<u>Big Trout Creek</u>											1
<u>Blockhouse Creek</u>											2
<u>Cold Hill</u>											3
<del>Half Branch</del> <u>Half Creek</u> = v.s. G B decision 5/8/42											4
<u>Island Branch</u>											5
<u>Little Trout Creek</u>											6
<u>Ninemile Creek</u>											7
<u>Shields Landing</u>											8
<u>Trout River</u>											9
<u>West Branch</u>											10
											11
											12
											13
											14
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											16
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											23
											24
											25
											26
											27

Names underlined in red approved  
by L. Heck on 9/9/40

Remarks.

Decisions

	Remarks.	Decisions
1		304817
2		304816
3		304817
4	Do not ink - pending U.S.G.B. decision	"
5		"
6		"
7		30817
8		304817
9		303816 U.S.G.B
10		304817
11		
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Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. ..H6536

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

Number of positions on sheet	.363.
Number of positions checked	.39...
Number of positions revised	.8...
Number of soundings recorded	.1839.
Number of soundings revised	...1...
Number of soundings erroneously spaced	..21...
Number of signals erroneously plotted or transferred	...0...

Date: Aug. 15, 1940

Verification by *H. G. Wilde*

Time: 25½ hrs

Review by *Harold W. Murray*

Time: 2½ "

HYDROGRAPHIC SURVEY NO. H6536

Smooth Sheet One

Boat Sheet One

Records; Sounding 2 Vols., Wire Drag     Vols., Bomb     Vols.

Descriptive Report Yes

Title Sheet Yes

List of Signals Yes

Landmarks for Charts (Form 567) Yes

Statistics Yes

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524)    

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

Hydrography: Total Days 3 ; Last Date Jan. 18, 1939

Remarks

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
 DESCRIPTIVE REPORT  
 PHOTOSTAT OF



No. H **H6536**  
~~No. H~~

{ received July 25, 1940  
 registered July 31, 1940  
 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			
24			
25	✓		<i>Page 2</i>
26			
30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	T. B. Reed
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VERIFIER'S REPORT OF HYDROGRAPHIC SURVEY NO. H-6536

Verified and Inked by Harold A. Wilde

Date Aug. 15, 1940

1. The descriptive report was consulted and appropriate action taken.
2. Soundings originating with the survey and mentioned in the descriptive report have been verified, including latitude and longitude.
3. All references to survey sheets mentioned in the descriptive report include the registry number and year.
4. Geographic names of hydrographic features are in slanting lettering and of topographic features in vertical lettering.
5. All items effecting the plotting of the survey which are entered in the remarks columns of the sounding records were noted and check marked. In all cases appropriate action was taken.
6. All positions verified instrumentally were check marked in the sounding records.
7. All critical soundings are clear and legible.
8. The metal protractor has been checked within the last three months.
9. The protracting and plotting of all bad crossings were verified.
10. All detached positions locating critical soundings, rocks or buoys were verified.
11. The boat sheet was compared with the smooth sheet.
12. The spacing of soundings as recorded in the records was closely followed.
13. The bottom characteristics were shown on outstanding shoals.
14. The reduction and plotting of doubtful soundings were checked.



15. ✓ The transfer of contemporary topographic information was carefully examined.
16. ✓ All junctions were transferred.
17. ✓ The notation "JOINS H " was added for all contemporary adjoining or overlapping sheets now registered.
18. ✓ The depth curves have been drawn to include the significant depths.
19. ✓ All triangulation stations and transfer of topographic and hydrographic signals were checked by the field party.
20. ✓ Heights of rocks were checked against range of tide.
21. ✓ Rocks transferred from topographic survey have a dotted curve where shown thereon.
22. ✓ Unnecessary pencil notes have been removed.
23. ✓ Objects on which signals are located and which fall outside of the low water line have been described on the sheet.
24. ✓ The low water line and delineation of shoal areas have been properly shown (~~see letter of October 20, 1934~~).
25. ✓ Degree and minutes values and symbols have been checked.
26. ✓ Source of shoreline and signals (When not given in report).
27. ✓ Depth curves were satisfactory ~~except as follows:~~

28. ✓ Sounding line crossings were satisfactory ~~except as follows:~~

29. ✓ Junctions with contemporary surveys were satisfactory ~~except as follows:~~

30. ✓ Condition of sounding records was satisfactory except as follows:

Failure to give approx. location when beginning new lines. Accepted.  
Did not give enough fixes, referring too often to the boat sheet only.  
↑ may have been obscured by vegetation.

31. ✓ The protracting was satisfactory ~~except as follows:~~

32. ✓ The field plotting of soundings was satisfactory ~~except as follows:~~

33. ✓ Notes to reviewer:

DIVISION OF CHARTS

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6536 (1939) FIELD NO. 49

Florida, Jacksonville, Trout Creek  
Surveyed in January 1939, Scale 1:5,000  
Instructions dated October 20, 1938 (MIKAWA)

Soundings:  
Hand Lead

Control:  
Three point fixes on shore signals.

Chief of Party - F. L. Gallen.  
Surveyed by - E. L. Jones.  
Protracted by - H. J. Bozzo.  
Soundings plotted by - H. J. Bozzo.  
Verified and inked by - H. A. Wilde.  
Reviewed by - Harold W. Murray, August 17, 1940.  
Inspected by - H. R. Edmonston.

1. Shoreline and Signals.

The origin of the shoreline and signals is given in the Descriptive Report, page 1.

2. Sounding Line Crossings.

Agreement of sounding line crossings is very good.

3. Depth curves.

The usual depth curves may be satisfactorily drawn.

4. Junctions with Contemporary Surveys.

The junction on the east with H-6127 (1935) is satisfactory.

5. Comparison with Prior Surveys.

No prior surveys have been made in this area by this Bureau.

6. Comparison with Chart 1243 (New Print dated April 22, 1940).

The present survey falls outside the limits of this chart and no comparison is, therefore, necessary.

7. Compliance with Instructions for the Project.

The plan, character and extent of the survey satisfy the instructions for the project.

8. Condition of Survey.

- a. The sounding records are neat and legible and conform to the requirements of the Hydrographic Manual.
- b. The field protracting and plotting were accurate.
- c. The Descriptive Report is clear and very comprehensive. The included list of signals accompanied by a description of the objects upon which they are located is a commendable addition.
- d. There is no triangulation within the limits of the present survey and no reference station is therefore shown.

9. Additional Field Work Recommended.

This is an excellent survey and no additional field work is necessary.

10. Superseded Surveys.

None.


Examined and approved:



T. B. Reed,  
Chief, Section of Field Records.



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.