

5800
5801

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

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. 16 & 26

State Florida

LOCALITY

~~Nassau River, Florida, Upper Part,~~

~~Boggy Creek, and Thomas Creek.~~

16. Lofton Creek to Boggy Creek

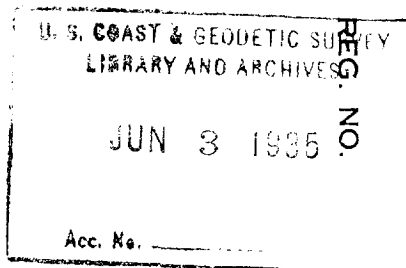
26. Boggy, Mills, & Thomas Creeks

1935

CHIEF OF PARTY

Hubert A. Paton

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. 16

REGISTER NO. 5800

State Florida

General locality Nassau River, Upper Part

Lofton Creek to
Locality ~~Including portion of Boggy & Thomas Creeks~~

Scale 1:10,000 Date of survey Sept. 18, 1934-Mar. 28, 1935.

Vessel _____ Party No. 26

Chief of Party Hubert A. Paton

Surveyed by George W. Lovesee

Protracted by A. H. Beazley and J. D. Shearouse

Soundings penciled by A. H. Beazley and J. D. Shearouse

Soundings in ~~fathoms~~ feet

Plane of reference Mean Low Water

Subdivision of wire dragged areas by _____

Inked by R. McCann

Verified by S. R. Ludlow

Instructions dated November 17 and December 5, 1933.

Remarks: Descriptive Report combined with Sheet No. 26

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

REG. NO.

11 8 1935

HYDROGRAPHIC TITLE SHEET

Acc. No.

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. 26

REGISTER NO. 5801

State Florida

General locality Nassau River

Locality Boggy, Mills and Thomas Creeks.

Scale 1:10,000 Date of survey March 22 & 26, 1935.

Vessel Party No. 26

Chief of Party Hubert A. Paton

Surveyed by George W. Lovesee

Protracted by James D. Shearouse

Soundings penciled by James D. Shearouse

Soundings in ~~fathoms~~ feet

Plane of reference Mean Low Water

Subdivision of wire dragged areas by

Inked by Grubb

Verified by J E Lynch

Instructions dated November 17 and December 5, 1933.

Remarks: Descriptive Report combined with Sheet No. 16.

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEETS 16 AND 26
NASSAU RIVER, FLORIDA, UPPER PART,
BOGGY CREEK, AND THOMAS CREEK.
PARTY NO. 26 - PROJECT H. T. 168.

May 21, 1935.

INSTRUCTIONS:

The work on ^{these} ~~this~~ sheets was done in accordance with instructions dated November 17, and December 5, 1933.

LIMITS:

The inland limit of surveys as defined in the instructions regarding the extent of surveys crosses Nassau River at about Longitude $81^{\circ} 39'$. As Lieut. Grenell had traced the shoreline to Longitude $81^{\circ} 43'$, it was decided to complete the hydrography - only a few days additional work was necessary.

The surveyed area on these two sheets extends from the junction of Nassau River and Lofton Creek (Latitude $30^{\circ} 32.7'$ - Longitude $81^{\circ} 33.0'$) northwards to the limit of navigation in Lofton Creek (Latitude $30^{\circ} 37.6'$ - Longitude $81^{\circ} 34.2'$) and west to the limit of the photo-topographic sheet (longitude $81^{\circ} 43.0'$).

On the east a junction is made with Sheet 15.

DATUM:

The datum for these sheets is "North American 1927".

The triangulation stations on Sheet 16 were obtained from Geographic Positions of 1927 and 1934 with no corrections applied to Mink, Pearson, and Airway Beacon No. 1.

The following corrections were applied to reduce the other stations to 1927 datum:

Cape 1934, Moore 1934	Lat. +1.2 M.	Gardner 1934, Moon 1934	Lat. +1.9 M.
	Long. -7.0 M.		Long. -5.8 M.

Lofton 1934, Cuno 1934, and Deese 1934	Lat. +1.3 M.
	Long. -6.2 M.

Only one triangulation station, Italia 1934, was located on Sheet 26, and no corrections were required.

SIGNALS:

All signals on sheet #16 were transferred from G. C. Sheet S.

SHORELINE:

The smooth sheet for Sheet 16 was sent to Lieut. (j.g.) S. B. Grenell and shoreline was put on with one of the new type projectors.

Lieut. Grenell sent a tracing of the shoreline for Sheet 26 which was also made with a new type projector.

For character of the shoreline see descriptive report for Sheet S.

In the upper reaches of creeks such as Lofton, Boggy, and Thomas, the shoreline consists of marshes, high wooded areas, and swamps.

SURVEY METHODS:

All soundings were taken with a lead weighing about 8 pounds. The leadline was made of Samson mahogany sash cord with a phosphor bronze core. All lines were run parallel to the shorelines.

Positions in Nassau River were obtained by the usual 3 point fix as far west as longitude $81^{\circ} 37.4'$. Also 3 point fixes were obtained in Lofton Creek to Latitude $30^{\circ} 34'$. All other positions on sheet 16 and all positions on sheet 26 were located with reference to the shoreline. These positions were transferred from the boatsheet to the smooth sheet.

The sounding vessel was a 24 foot launch drawing $2\frac{1}{2}$ feet.

CHANNELS:

The channel in Nassau River follows the ebb tide bends. Many sand bars have built up alongside the channel and the chart should be followed carefully to avoid them.

The controlling depth in Nassau River is 9 feet which is found near the southeast bank about $\frac{3}{4}$ mile above the mouth of Lofton Creek. This depth can be carried 6 miles above the railroad bridge into Boggy Creek where a least depth of 8 feet is found. This may be carried to a point about 3 miles beyond Plummer Creek where a controlling depth of 7 feet holds to about a quarter of a mile beyond the mouth of Mills Creek. Numerous logs make further navigation in either Mills or Boggy Creek extremely hazardous and even small craft should not attempt to go further without local knowledge

Nine feet may be carried up Thomas Creek as far as Joel's landing where a least depth of 6 feet is found. This is the controlling depth for about five miles on up Thomas Creek where logs are encountered and further navigation should not be attempted without local knowledge.

Eight feet can be carried for 2 miles up Lofton Creek where the controlling depth becomes 5 feet which can be carried for about eight miles further where the controlling depth becomes 4 feet. This depth can be carried to within 1/4 mile of the bridge on State Highway No. 13. Vaughn Landing is at the head of a shallow loop which has a depth of about one foot.

One foot can be carried from Nassau River thru Cuno Creek and into Lofton Creek. The photo-topographic sheet shows this as a very narrow stream. It should be shown about 15 meters wide as indicated on the smooth sheet. One foot can be carried up Gardner Creek to within 1/4 mile of the old highway bridge, Latitude $30^{\circ} 35.3'$.

In general the character of the bottom is hard sand in the channel. The bottom becomes soft mud in shoal areas and side bends and loops where little current is found.

There are no ranges, beacons, or channel marks on these sheets.

DANGERS:

The only dangers in the Nassau River are the usual sand bars and mud flats. Near the head of all tributaries drifting and sunken logs and log rafts are a menace to navigation and these vicinities should not be entered without local knowledge.

CURRENTS:

The usual currents were found in the waterways on these sheets.

COMPARISON WITH PREVIOUS SURVEYS:

Chart No. 1243 shows no depths in the streams covered by these sheets; so no comparison can be made.

DISCREPANCIES:

Position 60C (Latitude $30^{\circ} 32.3'$ and Longitude $81^{\circ} 34.6'$) was apparently plotted erroneously on the boatsheet, but it does not cause any discrepancies in the determination of the depths in this area.

No other discrepancies occurred.

GEOGRAPHIC NAMES:

The following names are in use on the Charts and are in common use locally. It is recommended they be retained on future charts:

Creeks:

Lofton, Gardner, Inconstation, Mink, Deese, Lumber and Thomas.

Islands:

Half-Moon and Pearson.

Points:

Lofton.

Rivers:

Nassau.

The following names on these sheets, obtained from Geological Survey Maps and used locally, are recommended for adoption:

<u>Creeks</u>	<u>Landings</u>	<u>Points</u>	<u>Swamps</u>
Seaton	Vaughn	Smiths	Boggy
Plummer	Homer		
Mills	Jerry		
	Deese		
	Seaton		
	Joels		

"Dead River" was the name locally used for the loop about two miles up Lofton Creek. It is recommended that it be adopted for the charts.

"Boggy Creek" was the name in use locally for the part of Nassau River above the mouth of Thomas Creek. It is recommended that it be adopted for the charts.

The Geological survey maps give the name West Landing for the point six miles up Thomas Creek. There are no houses or structures of any sort there. It is recommended that the locality be unnamed as it is of so little importance.

LANDMARKS:

For a list of landmarks in this area see the descriptive report accompanying G. C. Sheet S. T4899

STATISTICS:

<u>Sheets</u>	<u>16</u>	<u>26</u>
Statute miles of sounding lines.....	206.2	35.5
Number of soundings	10,089.	1,525.
Number of positions.....	1,432.	177.

Respectfully submitted,

James D. Shearouse

James D. Shearouse,
Draftsman, C. & G. S.

TO ACCOMPANY
SHEETS 16 AND 26

These sheets and accompanying records have been inspected
and are approved.

Hubert A. Paton
Hubert A. Paton,
Lieut. C. & G. S.,
Chief of Party.

HYDROGRAPHIC SURVEY NO. H5800

Smooth Sheet 1

Boat Sheet 1

Sounding Records 6 Vols. _____

Descriptive Report Yes

Title Sheet Yes

List of Signals No *on boat sheet*

Landmarks for Charts (Form 567) No *See Desc. Rep. p. 4*

T4899

Statistics Yes

Approved by Chief of Party H. A. Paton

Recoverable Station Cards (Form 524) _____

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

Remarks _____

HYDROGRAPHIC SURVEY NO. H5801

Smooth Sheet 1

Boat Sheet 1

Sounding Records 1 Vols. _____

Descriptive Report Yes

Title Sheet Yes

List of Signals No Signals on Sheet

Landmarks for Charts (Form 567) ~~No~~ 24 T 4899

Statistics Yes

Approved by Chief of Party H. A. Paton

Recoverable Station Cards (Form 524) _____

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

Remarks _____

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **..5800**

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

Number of positions on sheet	1432
Number of positions checked	...46
Number of positions revised0
Number of soundings recorded	10,089
Number of soundings revised	...27
Number of signals erroneously plotted or transferred

Date:

Verification by **S. R. Ludlow**
making by **R. McCann**
Review by **R. J. Christman**

Time: **81 hrs.**
Time: **17½ hrs.**
Time: **5½ "**

Survey No. H5800GEOGRAPHIC NAMES
FLORIDADate. June 5, 1935Chart No. 1243Diagram No. 1243-2

Approved by the Division of Geographic Names, Department of Interior. ✕

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Boggy Creek</u> ✓		✓ <u>Boggy Creek</u>		
	<u>Plummer Creek</u> ✓		✓ <u>Plummer Creek</u>		
	<u>Lumber Creek</u> ✓	Same	✓		
	<u>Vaughn Landing</u>		✓ <u>Vaughn Landing</u>		
	<u>Jerry Landing</u>		✓ <u>Jerry Landing</u>		
	<u>Homer Landing</u>		✓ <u>Homer Landing</u>		
	<u>Cuno Creek</u> ✓	-----	✓		
	<u>Gardner Creek</u> ✓	Same	✓		
	<u>Nassau River</u> ✓	"			
	<u>Smiths Point</u>		✓ <u>Smiths Point</u>		
	<u>Thomas Creek</u> ✓	Same	✓		
	<u>Joels Landing</u>		✓ <u>Joels Landing</u>		
	<u>Seaton Creek</u>		✓ <u>Seaton Creek</u>		
	<u>Half Moon Island</u>	<u>Halfmoon Island</u>	✓		
	<u>Inconstation Creek</u>	"	✓		
	<u>Pearson Island</u>	"	✓		
	<u>Lofton Creek</u> ✓	"	✓		
	<u>Dead River</u> ✓		✓ <u>Dead River</u>		
	<u>Lofton Point</u>	Same	✓		
	<u>Burton Island</u>		✓	<u>Burton Island</u>	
	<u>Mink Creek</u>	Same	✓		
	<u>Deese Creek</u> ✓	"	✓		

APPROVED NAMES
UNDERLINED IN FIELD
H.L. Plummer

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **..5801**

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

Number of positions on sheet	..177.
Number of positions checked	...35.
Number of positions revised	...0..
Number of soundings recorded	1525.
Number of soundings revised	...8..
Number of signals erroneously plotted or transferred

Date:

Verification by **J.E. Lynch**
Inked by Grubb
Review by **V.D. Behn**

Time: **5 hrs.**
6 hrs
Time: **5 hrs.**

Survey No. H5800 Cont'd

Date. June 5, 1935 **GEOGRAPHIC NAMES
FLORIDA**

Chart No. 1243

Diagram No. 1243-2

Approved by the Division of Geographic Names, Department of Interior. ✱

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Deese Landing</u>		✓ Deese Landing		
	<u>Seaton Landing</u>		✓ Seaton Landing		
			APPROVED NAMES UNDERLINED IN RED <i>H. L. Fisher</i>		

Date June 5, 1935

GEOGRAPHIC NAMES
FLORIDA

Survey No. H5801

Chart No. 1243

Diagram No. 1243-2

Approved by the Division of Geographic Names, Department of Interior. ✖

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Boggy Swamp</u>		<u>Boggy Swamp</u>		
	<u>Boggy Creek</u>		✓ <u>Boggy Creek</u>		
	<u>Mills Creek</u>		✓ <u>Mills Creek</u>		
	Nassau River	Same			
	<u>Thomas Creek</u>	"	✓		
		APPROVED NAMES UNDERLINED IN RED H. L. Fisher			

Lac

TIDE NOTE FOR HYDROGRAPHIC SHEET

June 12, 1935

Division of Hydrography and Topography:

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

Tide Reducers are approved in
1 volume# of sounding records for


HYDROGRAPHIC SHEET 5801

Locality Boggy, Mills and Thomas Creeks, Nassau River, Florida

Chief of Party: H. A. Paton in 1935
Plane of reference is mean low water reading
4.5 ft. on tide staff at Boggy
9.5 ft. below B.M. 1

Height of mean high water above plane of reference is 3.5 feet .

Condition of records satisfactory except as noted below:


Chief, Division of Tides and Currents.

TIDE NOTE FOR HYDROGRAPHIC SHEET

June 12, 1935.

Division of Hydrography and Topography:

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

Tide Reducers are approved in
6 volumes of sounding records for

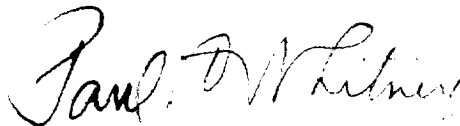
HYDROGRAPHIC SHEET 5800

Locality Lofton Creek to Boggy Creek, Nassau River, Florida

Chief of Party: H. A. Paton in 1934-1935
Plane of reference is Mean low water reading
4.2 ft. on tide staff at MINK
6.8 ft. below B.M. 1
4.9 ft. on tide staff at Half Moon (Highway Bridge over Nassau River)
12.9 ft. below B.M. 1
4.5 ft. on tide staff at Boggy
9.5 ft. below B.M. 1
2.0 ft. at Cuno (no B. M. established)
3.6 ft. at Vaughn (No B.M. established)

Height of mean high water above plane of reference is 3.9 feet at Mink;
3.4 feet at Half Moon; 3.5 feet at Boggy; 3.9 feet at Cuno; 2.8 feet
at Vaughn.

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

Report on N. 5800

The records are complete and conform to the requirements of the general instructions.

The usual depth curves could not be completely drawn because in several cases the depths changed so abruptly that it was impossible to get all the curves in between the soundings where they belonged.

The field plotting was very satisfactory, it was not necessary to revise the plotting of any positions, there were however several soundings omitted.

The junction with sheet 5801 was satisfactory on sheet 5801 a sounding of 13 ft on position 13 was taken out and a sounding of 11 ft (sounding on position 11R sheet 5800) was put in its place, in this way the curves could be drawn continuous from one sheet to the other. Sheet 5799 has not yet been inked so that a junction at the other end could not be made.

The delineation of the depth curves by the field plotter was satisfactory.

The shore line was compared with air photostamps 5730 + 5130.

S. R. Lullow.

6/29/35

Verifiers Report Sheet 5801

Only two depth curves were indicated
6 ft + 12 ft depth as these were considered
sufficient within the limits of the survey.

The records appear to conform to the
requirements of the General Instructions,
with the exception that the notes
relating to obstructions are in general
taken from the boat sheet directly,
and do not appear in the sounding
records.

The shore line was checked against
the air photo sheet T 5130.

J. E. Lynch

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5800 (1934-5) - FIELD NO. 16

Lofton Creek to Boggy Creek, Nassau River, Florida
Surveyed in September, 1934 - March, 1935
Instructions dated November 17, December 5, 1933 (H. A. Paton)

Hand Lead Soundings.

3 Point Fixes on Shore Signals,
and spotted positions on boat
sheet in minor waterways.

Chief of Party - H. A. Paton.
Surveyed by - George W. Lovesee.
Protracted by - A. H. Beazley, J. D. Shearouse.
Soundings penciled by - A. H. Beazley, J. D. Shearouse.
Verified and Inked by - R. C. McCann, S. R. Ludlow.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual except as follows:

- a. There is no list of signals either in the sounding record or in the Descriptive Report. The list, however, was entered on the boat sheet.
- b. Cuno Tide Station was not shown on smooth sheet. The station was plotted in the office from the boatsheet.

The Descriptive Report is complete as to essential details and satisfactorily covers all items of importance.

2. Compliance with Instructions for the Project.

The plan and extent of development are in accordance with the instructions for the project.

3. Sounding Line Crossings.

All lines are channel lines and no inconsistencies in the soundings were noted.

4. Depth Curves.

Within the limits of the survey the usual depth curves may be satisfactorily drawn.

5. Junctions with Contemporary Surveys.

The junction with H-5801 (1935) to the westward is satisfactory.

The junction with H-5799 (1934-5) to the eastward will be considered in the review of that sheet.

6. Comparison with Prior Surveys.

There have been no previous hydrographic surveys in the area covered by this sheet. See Addenda attached to this review.

7. Comparison with Chart 1243.

The chart does not show any hydrography but only the outline of the Nassau River, which is in agreement with the present survey.

8. Field Plotting.

The field plotting is satisfactory.

9. Additional Work Recommended.

The survey is satisfactory and no further work is necessary.

10. Superseding Old Surveys.

There are no prior surveys by this bureau in this area.
See Addenda attached to this review.

11. Reviewed by - R. J. Christman, July 16, 1935.

Inspected by - A. L. Shalowitz.

Examined and approved:

K. T. Adams

K. T. Adams,
Asst. Chief, Division of Charts.

L. O. Polbat

Chief, Division of Charts.

F. S. Borden

Chief, Section of Field Work.

G. W. de

Chief, Division of H. & T.

#5800 - applied to drawing of Chart 577 - Nov. 9, 1935 - JFW

Addenda to Review of H-5800 (1934-35)

Par. 6. Comparison with Prior Surveys.

H-1113 b (1871).

A few soundings from this 1 to 10,000 scale survey fall just within the southeastern limits of the present survey. The shoal area extending offshoreward from Lofton Point has been building up, depths 2 to 4 feet shoaler being shown on the present survey. Several spots in mid-channel have deepened 1 to 9 feet. Other depths in this vicinity are practically unchanged. In view of the changes noted, the present survey should supersede the 1871 survey in future charting.

Par. 10. Superseding Prior Surveys.

Within the area covered, the present survey supersedes the following survey for charting purposes:

H-1113-b (1871) In part.

Reviewed by - Harold W. Murray, Dec. 23, 1936.

Inspected by - A. L. Shalowitz.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5801 - FIELD NO. 26 (1935)

Boggy, Mills, and Thomas Creeks, Nassau River, Florida
Surveyed in March, 1935

Instructions dated November 17 and December 5, 1933 (H. A. Paton)

Hand Lead Soundings. Positions spotted with reference to shoreline.

Chief of Party - H. A. Paton.
Surveyed by - G. W. Lovesee.
Protracted by - J. D. Shearouse.
Soundings penciled by - J. H. Shearouse.
Verified by - J. E. Lynch.
Inked by - Grubb.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual except as follows:

- a. No copy of Landmarks for Charts on Form 567 accompanied this particular sheet. Landmarks for area submitted.
- b. In general, no reference is made in the remarks column of the sounding records to the numerous logs in the creeks although they are noted on the boat sheet.

The Descriptive Report is clear and comprehensive and adequately covers all matters of importance.

2. Compliance with Instructions for the Project.

This survey complies with the instructions for the project.

3. Sounding Line Crossings.

This survey consists solely of 1 or 2 sounding lines in several creeks and running parallel to their respective shores. No cross lines could be run.

4. Depth Curves.

Within the limits of the survey the usual depth curves can be satisfactorily drawn.

5. Junctions with Contemporary Surveys.

The junction with H-5800 (1934-35) on the east will be considered in the review of that survey.

6. Comparison with Prior Surveys.

There are no prior surveys by this Bureau covering the area of this survey.

7. Comparison with Chart.

The area covered by this survey is uncharted.

8. Field Plotting.

The field plotting is satisfactory and conforms to the requirements of the Hydrographic Manual.

9. Additional Field Work Recommended.

No additional field work is required.

10. Superseding Old Surveys.

There are no prior surveys within the area of this survey.

11. Reviewed by - V. D. Behn, July 3, 1935.

Inspected by - A. L. Shalowitz.

Examined and approved:

K. T. Adams

K. T. Adams,
Asst. Chief, Division of Charts.

L. O. Pollock
Chief, Division of Charts.

F. B. Borden

Chief, Section of Field Work.

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

H 5800 Applied to drawing of chart 577 Nov. 9, 1935 - JFW

25 Jan. 2, 1936
E.H.P.