

5756

U. S. COAST & GEODETIC SURVEY
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, Director

DESCRIPTIVE REPORT

Topographic } Sheet No. 11
Hydrographic }

State Georgia

LOCALITY

Upper Crooked River

Black Point to Pumpkin Branch

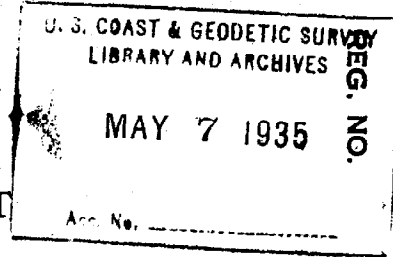
1935

CHIEF OF PARTY

Robert A. Paton

5756

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. 11

REGISTER NO. 5756

State Georgia

General locality Upper Crooked River

Locality Black Point to Pumpkin Branch

Scale 1:10,000 Date of survey July 11, 1934.
February 11, 1935.

Vessel Party No. 26

Chief of Party Hubert A. Paton

Surveyed by George W. Lovesee

Protracted by G. S. Britt and A. H. Beazley

Soundings penciled by M. K. Spencer and A. H. Beazley

Soundings in fathoms feet

Plane of reference Mean Low Water

Subdivision of wire dragged areas by _____

Inked by _____

Verified by _____

Instructions dated November 17 and December 5, 1933.

Remarks: _____

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET 11
UPPER CROOKED RIVER
PARTY NO. 26 PROJECT H.T. 168

April 22, 1935.

INSTRUCTIONS:

The work on this sheet was done in accordance with instructions dated ~~November 17~~ and December 5, 1933. ✓

LIMITS:

This sheet is a survey of Crooked River and tributaries between longitude $81^{\circ} 31'$ on the east and $81^{\circ} 40'$ on the west. ✓

JUNCTIONS:

This sheet makes a satisfactory junction with sheet #8 on the east, surveyed by this party. ✓

DATUM:

as plotted.

The reference station HARRIETT 1933 is on North American 1927 Datum. ✓ The seconds and meters have been left in pencil so that the correct values can be inked when the adjustment has been completed.

The triangulation stations had been computed on North American Datum using as a base the line Bat-Stafford. To correct to the 1927 datum, the following corrections were applied:

Latitude	+	1.0 meters.
Longitude	-	5.0 meters.

 ✓

These values were obtained by a comparison of the two positions given for the adjusted stations in the vicinity.

SIGNALS:

The signals were located on the aluminum mounted graphic control sheet "L" which was on the same datum as the hydrographic sheet and no corrections were necessary before transferring the signals. ✓

SHORELINE:

The shoreline is soft marsh except at Harrietts Bluff, Grover Island, Mush Bluff and Elliotts Bluff and several bluffs shown in ink on the boatsheet. At these points, there are clay and sand bluffs varying up to twenty feet in height. Where possible, the shoreline was transferred from the graphic control sheet. The greater part of the shoreline was transferred from the photo-topographic sheets furnished by Lieut. (j.g.) S. B. Grenell. ✓

SURVEY METHODS:

All soundings were taken with a leadline made of Samson mahogany sash cord with a phosphorus bronze core. The lead weighed 8 pounds. The sounding lines were run parallel with the shoreline. Positions were located by the usual standard three point fix in all of Crooked River to a point abeam of topo signal YEL. Positions west of this signal and in the tributaries were located with reference to the shoreline. All positions located with reference to the shoreline were transferred from the boat sheet to the smooth sheet.

The sounding vessel was a small launch drawing about 2½ feet.

CHANNELS:

The channel in Crooked River and all the tributaries on this sheet follow the usual ebb tide bends. 1½ feet can be carried to Elliotts Bluff. 5 feet can be carried to Harrietts Bluff, the 5 feet being found about 0.6 mile north of Elliotts Bluff and about 200 meters northeast of the small grass island in this vicinity. 1½ feet can be carried from Harrietts Bluff to Mush Bluff but the channel is difficult to follow unless local knowledge is obtained. Above Mush Bluff, the channel becomes narrow and deep and 6 feet can be carried to above ~~Cane Swamp~~.

100 } 81° 39.0
5 feet can be carried up Black Point Creek 1.3 miles if the west branch just above the mouth of the creek is followed. The east branch almost bares at low tide.

On high tide, small launches can navigate Black Point Creek, behind Grover Island and return to Crooked River by way of Grover Creek, but this passage bares in several places at low tide. 5 feet can be carried about 2 miles up Saddlers Creek and 2 feet can be carried about 1 mile further to the bluff known as Saddlers Landing.

(Not acc. to says. It bares at 81° 30.5 - long 81° 36.6)
There are no beacons, ranges, or day markers within the limits of this sheet.

The character of the bottom in the channel varies from hard sand to soft mud in the side banks. Channels subject to much tidal currents usually have a rather hard bottom.

CURRENTS:

The usual tidal currents are found in Crooked River and all its tributaries.

DANGERS:

The only dangers found on this sheet are the usual sand bars and mud banks and shoal areas consisting either of mud or sand. ←

COMPARISONS WITH PREVIOUS SURVEYS:

West of Black Point Creek, there is no known previous survey of this sheet. Considerable change is noticed when comparing with the previous survey of Black Point Creek, made by Junken in 1870. Crooked River, just below the mouth of this creek, is now about 100 meters wider than at that time. The main channel into Black Point Creek follows the western loop just above the mouth of the creek, the eastern loop is now almost bare at low water. In 1870, the eastern loop apparently carried 7 feet of water. ←

DISCREPANCIES:

The sand bar, 200 meters northeast of topo signal ROB near the eastern limit of the sheet, is shown as zero on both the smooth sheet and the boat sheet, this shoal was passed after the survey was completed and it was noted that it bares one foot at mean low water. ←

The 1 foot sounding on position 135 A day was shown in record book as 2 fathoms $\frac{1}{2}$ foot. This 2 fathoms was marked out and made 2 $\frac{1}{2}$ feet and reduced to 1 foot. This sounding was investigated as noted in record book. The reduced sounding was changed to 11 feet. The sounding launch drifted over this spot and many soundings were taken but no shoal was found. ←

The shoreline as shown on aerial photographs between topo signals COD and BID should be changed as shown as a dotted pencil line on smooth sheet. The western half of the small loop, 200 meters west of triangulation station Grover, should be shown as marsh as it is filled with small grass patches. See smooth sheet. *Adjusted by verifier from air photo.* ←

GEOGRAPHIC NAMES:

In the description of graphic control sheet "L", Elliotts and Harrietts Bluffs were spelled with only one "t", this is incorrect as they should be spelled with two "t's".

The following names are shown on Geological Survey maps of this area and are in common use in the locality:

Grover Island	Harrietts Bluff	Pumpkin Branch
Grover Creek	Laurel Island	Wrights Island
Elliotts Bluff	Saddlers Creek	Deep Creek
Mush Bluff	London Hill	Black Point

It is recommended these names be adopted on the charts.

PROBABLY A TYPOGRAPHICAL ERROR AS THIS NAME IS SPELLED "SADLERS" ON THE U.S.G.S. QUAD - KINGSLAND AND ON THE SMOOTH SHEET (H-5705)

F.K.A. 3/6/35

AIDS TO NAVIGATION:

There are no aids to navigation on this sheet.

LAND MARKS:

There are no landmarks sufficiently prominent to be shown on the charts.

STATISTICS:

Total statute miles of sounding lines----	203.3
Total number of soundings-----	8746
Total number of positions-----	1438

RECOMMENDATIONS FOR FURTHER SURVEY:

It is believed the survey of this sheet is sufficient and no further survey is recommended.

Respectfully submitted,

George W. Lovesee
George W. Lovesee,
Lieut. (j.g.) U. S. N.,
Hydrographer.

TO ACCOMPANY SHEET 11

This sheet and accompanying records have been
inspected and are approved.

Hubert A. Paton

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

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. 5756

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

Number of positions on sheet	...1438
Number of positions checked44
Number of positions revised1
Number of soundings recorded	...8746
Number of soundings revised43
Number of signals erroneously plotted or transferred0

Date: July 2, 1935

Verification by J. J. J. J.

Time: 38 hrs.

Review by Harry T. Welch

Time: 8 hrs.

HYDROGRAPHIC SURVEY NO. H 5756

Smooth Sheet 1

Boat Sheet 1

Sounding Records 5 Vols. _____

Descriptive Report Yes

Title Sheet Yes

List of Signals Filed in Vol. 1

Landmarks for Charts (Form 567) None for this sheet

Statistics Filed in D.R.

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) Filed with T 6189a

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

Remarks _____

200

TIDE NOTE FOR HYDROGRAPHIC SHEET

May 31, 1935.

Division of Hydrography and Topography:

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

Tide Reducers are approved in
5 volumes of sounding records for

HYDROGRAPHIC SHEET 5756

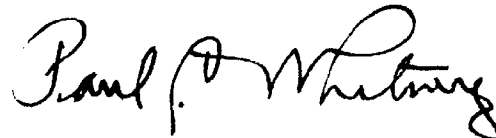
Locality Black Point to Pumpkin Branch, Georgia

Chief of Party: H. A. Paton in 1934-1935
Plane of reference is mean low water, reading
2.3 ft. on tide staff at Crooked River
5.4 ft. below B.M. 1

5.7 ft. on tide staff at Harriett
17.0 ft. below B. M. 1

Height of mean high water above plane of reference is 6.8 feet at
Crooked River; 6.4 feet at Harriett.

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

Date May 9, 1935

GEOGRAPHIC NAMES
GEORGIA

Survey No. H 5756

Chart No. 1242

Diagram No. 1242-2

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>Sedlers Landing</u>		✓		
	<u>Sadlers Creek</u>		✓	<u>Saddlers Creek</u>	175
	<u>Harrietts Bluff</u>		✓	Yes	
	<u>Grover Creek</u>		✓	"	140
	<u>Grover Island</u>		✓	"	140
	<u>Black Point</u>	Same	✓		
	<u>Black Point Creek</u>	"	✓		140
	<u>London Hill</u>		✓	Yes	
	<u>Kinlaw</u>		✓		140
	<u>Cane Swamp</u>		✓		
	<u>Wrights Island</u>		✓	Yes	140
	<u>Pumpkin Branch</u>		✓	"	140
	<u>Crooked River</u>	Same	✓		240
	<u>Mush Bluff</u>		✓	Yes	
	<u>Elliotts Bluff</u>		✓	"	
	<u>Laurel Island</u>		✓	"	140
	<u>Deep Creek</u>		✓		140

APPROVED NAMES UNDERLINED IN RED
H. L. F. ...

6-100

Verrier's Report on H-5756.

Records:

Records conform in general with General Instructions. Field party did not make any entries in records concerning discrepancies in shoreline but merely made notes on sheet.

Drafting:

Drafting was excellent.

Remarks:

Sand bar mentioned under discrepancies in descriptive report was shown ^{by Verrier} with a yellow curve as sketched by field party. Detailed note on smooth sheet at signal jet, Lat. 30-51.7 Long 81-32.6, says small grass islet. No notes in record concerning this. Verrier has not inked this as it is probably a small patch of grass covered at half or full tides and it is inside the low water line. Field party has noted "Grass patches" in several places on the sheet. Low water line takes care of them. It is evident that this party built a number of their signals on mud flats. This sheet has been compared with the photo compilations.

July 2, 1935. Submitted,
Jame McCormick.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5756 (1934-35) - FIELD NO. 11

Black Point to Pumpkin Branch, Upper Crooked River, Georgia
Surveyed in July, 1934; February, 1935
Instructions dated December 5, 1933 (C. A. Egner)

Hand Lead Soundings.

3 Point Fixes on Shore Signals.

Chief of Party - H. A. Paton.
Surveyed by - G. W. Lovesee.
Protracted by - G. S. Britt and A. H. Beazley.
Soundings penciled by - M. K. Spencer and A. H. Beazley.
Verified and Inked by - J. A. McCormick.

1. Condition of Records.

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

Landmarks for Charts on Form 567 have not been received, as according to the desc. report there were no objects of sufficient prominence to be shown on the charts.
The Descriptive Report is clear and comprehensive and adequately covers all matters of importance.

2. Compliance with Instructions for the Project.

The plan, extent and development of the survey comply with the instructions for the project.

3. Sounding Line Crossings.

Such crossings as occur in the work, as well as adjacent lines, are in excellent agreement.

4. Depth Curves.

All the usual depth curves may be satisfactorily drawn, including the low water line where this does not closely approximate the banks of the streams.

5. Junctions with Contemporary Surveys.

The junction with H-5753 (1934-35) on the southeast, will be considered in the review of that sheet.

6. Comparison with Prior Surveys.

a. H-1063 (1870).

This survey, on a 1-20,000 scale covers with fair development Crooked River as far west as long. 81°33' and Black Pt. Creek as far north as the right angle turn at lat. 30°52.3'.

This is a very changeable area and today the lower reaches of the Crooked River are nearly 100 meters wider than shown on H-1063 (1870). No detailed comparison is considered necessary as the present survey should supersede this survey for all charting purposes.

Some of the more important changes are as follows:

- (1) The shoal at lat. $30^{\circ}51.1'$, long. $81^{\circ}31.8'$ remains, but has spread so that it nearly connects with the point west of it.
- (2) The point of land at lat. $30^{\circ}51.2'$, long. $81^{\circ}32.2'$ has been cut back more than 100 meters and the shoal point extending eastward from it completely washed away.
- (3) At the time of the above survey both channels of Black Point Creek around the island at lat. $30^{\circ}51.7'$, long. $81^{\circ}32.3'$ (app.) were both open, with 7 feet in the eastern passage. This eastern branch is now practically closed. Five feet can be carried into the upper part of the creek by way of the west branch instead of 7 feet as shown on H-1063 (1870).

7. Comparison with Chart No. 1242.

Within the area of the present survey the chart is based on the survey discussed in the foregoing paragraphs, and contains no additional information that needs consideration in this review.

8. Field Plotting.

The field protracting and plotting are satisfactory and comply with the requirements of the Hydrographic Manual.

9. Additional Field Work Recommended.

This survey is complete and no additional work is required.

10. Doubtful Sounding.

A 2 foot sounding (pos. 78B) at lat. $30^{\circ}51.78'$, long. $81^{\circ}32.66'$ appears out of position. It is believed this should be slightly southwest of its plotted position.

11. Note to Compiler.

Attention is called to par. 10.

12. Superseding Old Surveys.

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

H-1063 (1870) In part

13. Reviewed by - Harry T. Kelsh, July 8, 1935.

Inspected by - A. L. Shalowitz.

Examined and approved:

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

C. K. Green

Chief, Section of Field Work.

F. B. Borden

L. O. Colbert,
Chief, Division of Charts.

L. O. Colbert

Chief, Division of H. & T.

Grude

Applied to chart 1242.

Feb. 25, 1939 g. H. S.

25 Jan 1936
EAD

Applied to Chart 1242.
" " Reconstr. 448

Mar. 16, 1939
1957

G.H.S.
G.H.E.

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