

6448

U. S. COAST & GEODETIC SURVEY
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<p>Form 504 Ed. June, 1928</p> <p>DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY L. O. Colbert, Director</p>	
<p>State: <u>FLORIDA</u></p>	
<p>DESCRIPTIVE REPORT</p> <p>Topographic } Sheet No. H-6448 Hydrographic }</p>	
<p>LOCALITY</p> <p><u>Choctawhatchee Bay</u></p> <p><u>Central Part</u></p>	
<p><u>1939</u></p>	
<p>CHIEF OF PARTY</p> <p><u>George L. Anderson</u></p>	

07

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. 1001

REGISTER NO. H- 6448

State FLORIDA

General locality Choctawhatchee Bay

Locality Central Part

Scale 1:10,000 Date of survey Aug 23-28 June-Sept.
~~June July~~, 1939

Vessel Shore Party # 1

Chief of Party George L. Anderson

Surveyed by Harry F. Garber

Protracted by Harold A. Duffy

Soundings penciled by Harry F. Garber

Soundings in ~~FATHOMS~~ feet

Plane of reference M.L.W.

Subdivision of wire dragged areas by

Inked by

Verified by

Instructions dated April 13, 1939

Remarks:

DESCRIPTIVE REPORT
to accompany
Hydrographic Sheet No. 6448
Choctawhatchee Bay, Florida
Scale 1: 10,000

AUTHORITY:

The hydrographic survey was executed in accordance with Instructions dated April 13, 1939 Project # H.T.234.

LIMITS:

The area covered is the central part of Choctawhatchee Bay from Fourmile ^P point to one and one half miles eastward of Live Oak Point, including Hogtown Bayou. It is joined on the westward by sheet H-5869, 1935 and on the eastward by Sheet H-6449, 1939.

CHARACTER OF BAY:

The center of the bay is very flat, gradually deepening toward the western end. The bottom is soft from the accumulation of silt deposited by the Choctawhatchee River. In general, the bottom is hard sand inside the 10 foot curve. There are occasional oyster beds along the two fathom curve with depths of two to three feet shoaler than surrounding depths.

CONTROL:

The triangulation in this area was established in 1934 and 1935. The topographic signals were obtained from 1939 graphic control sheets: ^{T-6669a+b, T-6670b, T-6671a.} Those signals indicated in purple were located by shoreline reference by the hydrographic party, directly on the boat sheet. Some slight changes in positions were made in the transfer to the smooth sheet to agree with time and course of the sounding line. Signals in blue located by sextant fixes recorded in Vol. 16, page 2.

The shoreline was transferred by the Washington Office from the 1:20,000 scale 1934 air photo compilation sheets^{T-5526 and T-5527.} The changes, as indicated by the 1939 graphic control topographic sheets, were transferred to the hydrographic sheet and inked. Where no changes were shown, the shoreline as furnished by the office was inked. North American¹⁹²⁷ datum is used.

SURVEY METHODS:

Standard survey methods were used. A chartered motor launch drawing two and one half feet, and a skiff for shoaler depths were used for sounding. Soundings were obtained with the leadline and sounding pole. From "a" day (red) through "g" day (red) the leadline was read to feet; thereafter to half feet. Compass courses were steered throughout.

DISCREPANCIES:

1. Lat. $30^{\circ}-28'.0$, Long. $86^{\circ}-14'.4$. The sounding of $2\frac{1}{2}$ feet between positions 5 and 6b, (red) is believed to be too shoal by a foot. The leadsman came upon the shoal unexpectedly and had too much line out. In gathering the line in hurriedly, it is believed that the sounding was estimated. A four foot sounding was taken on this spot between positions 42 and 43 k (red). It is recommended that the sounding be rejected. <sup>2½ retained.
3's close by.</sup>

2. Lat. $30^{\circ}-29'.15$, Long. $86^{\circ}-15'.2$. The sounding on position 89 m (red) was erroneously recorded as 2 fms. instead of two feet. There is no 2 fm. hole in this area.

3. Lat. $30^{\circ}-25'.4$ Long. $86^{\circ}-17'.5$, position 31 c (blue),
the leadsman gave the sounding as 12 feet instead of 15 feet. ^{15 (reduces to 14) accepted.}
The leadsman was comparatively new, and occasionally became
confused in the leadline markings at the beginning of a line.

4. Lat. $30^{\circ}-26'.8$. ^{Long. $06^{\circ}13'$} The beginnings of f and g days (red)
appear to be 1 foot deep in places. This ^{is} caused by a tide ^{Satisfactory agreement.}
reducer of zero feet, while the adjacent lines have a one-half
foot reducers. By dropping the half feet in plotting soundings,
gives a foot difference. The actual tide at the beginning of
f and g day is 0.2 feet.

5. The crossings are within one foot except in the following places:

(a) Lat. $30^{\circ}-26'.15$, Long. $86^{\circ}-16'.45$, between 28
and 29 n (red), $15\frac{1}{2}$ feet, and between 39 and 40 s (red) 17 feet. ^{O.K.}

(b) Lat. $30^{\circ}-24'.0$, Long. $86^{\circ}-15'.3$, between 121 and
122 x (red) a 12 foot sounding among 9's and 10's. ^{It's close by.}

DANGERS:

Other than the shoals making out from the points, the area
covered is free of dangers.

CHANNELS:

There are no defined channels within the area of the sheet.

COMPARISONS WITH PREVIOUS SURVEYS:

But for slight displacements, the present survey is in
good agreement with Sheet H-1141, 1871 with the exception of
Hogtown Bayou. There are a number of soundings in this area
on Sheet H-1141 which do not agree with the present survey.
These differences in depths are probably caused by displacement in positions and changes occurring since the 1871 survey.

^{Inaccuracies in transfer of old soundings to boat sheet responsible for larger differences. See par. 5, review.}

As the present survey is more complete and based on better control and there is no evidence of offlying shoals, it is recommended that the present survey be used in its entirety.

The juncture with Sheets ^{H-5869 and} H-6449 are in good agreement with respect to soundings and depth curves. The vertical clearances of the bridges at Basin Bayou and Santa Rosa were determined to be 4.5 feet and 2 feet respectively. The clearances are shown on the air photo compilation sheets as 5 feet and 3 feet respectively.

Accept present survey clearances.

GEOGRAPHIC NAMES:

A special report of Geographic Names is being submitted for the entire project.

NAVIGATION:

Choctawhatchee Bay is part of the Inland Waterway and is used by such traffic. Hogtown Bayou is little used except for commercial fishing and oystering. The sawmill at Santa Rosa is abandoned, leaving sunken logs and rotting pil- ing in the waterway. Owing to the bars at ^{the} entrances of the small Bayous off Hogtown Bayou, they are of little consequence.

Pipelines leading to oil storage tanks, run along the wharf at Basin Bayou. Barges drawing six feet are towed alongside the end of the wharf for unloading. However, due to the very limited maneuvering space, and the prevalence of choppy seas during the winter months, the storage plant is being abandoned.

Basin Bayou can only be used by small launches with open cockpits drawing two to two and one half feet, owing to the limited vertical clearance of four and one-half feet of the Highway Bridge, and the bar at its entrance. ✓

LANDMARKS FOR CHARTS: 25 ✓

The Landmarks for Charts are taken up in the descriptive reports of the topographic sheets. ✓

Respectfully submitted,

Harry F. Garber
Harry F. Garber,
Jr. H. & G. Eng'r.

APPROVAL of SHEET NO. H-6448

The records and sheets covering this survey have been
examined and are approved. ✓

George L. Anderson

George L. Anderson,
H. & G. Eng'r.
Chief of Party.

STATISTICS

H6448

PROJECT # HT234CHOCTAWHATCHEE BAYHYDROGRAPHIC SHEET # H - 6448LAUNCH W B H (RED)

DAY	DATE	MILES (STATUTE)	SOUNDINGS	POSITIONS	DAYS RUN
a	6/26/39	5.5	194	34	11.5
b	6/27/39	26.6	910	162	32.6
c	6/28/39	30.2	967	172	37.0
d	6/29/39	33.6	994	177	40.9
e	6/30/39	26.8	773	137	34.8
f	7/ 5/39	33.5	950	162	41.5
g	7/ 6/39	29.2	906	178	38.4
h	7 / 7/39	29.5	1062	181	37.0
j	7/10/39	28.8	1145	185	32.8
k	7/11/39	21.4	1019	185	26.2
l	7/12/39	25.2	1149	189	30.6
m	7/13/39	19.7	797	152	26.2
n	7/14/39	26.2	1052	179	36.5
p	7/17/39	24.4	1222	229	26.4
q	7/18/39	27.1	1142	203	34.1
r	7/19/39	26.0	913	171	35.5
s	7/20/39	34.1	1109	203	43.1
t	7/21/39	24.0	964	177	33.5
u	7/24/39	26.1	1067	204	35.1
v	7/25/39	24.8	1062	190	34.2
w	7/26/39	28.6	1215	218	36.6
x	7/27/39	19.5	867	172	31.5
y	7/28/39	25.5	1065	208	34.2
z	7/31/39	3.3	163	33	10.5
a'	8/ 1/39	7.5	339	63	17.0
b'	8/ 2/39	19.0	756	145	27.0

SKIFF USED ON SAME SHEET.Day Letter Color--BLUE.

a	7/31/39	9.7	547	87	9.7
b	8/ 1/39	11.0	515	81	11.4
c	9/14/39	4.1	192	42	15.1
d	9/15/39	14.7	648	131	19.1
TOTAL		665.6	25,693	4,650	880.0

AREA (square statute miles) ----24.4

LIST OF SIGNALS
to accompany
Hydrographic Sheet
No. H-6448

H6448

Shore Party No. 1

Season 1939

Scale 1/10,000

Hydrographic name.	Location	Hydrographic name.	Location
Blunt	Blunt 3, 1935		Topographic signal
Hog	Hogtown 1935	So	Sheet No. T-6669 a
Light	Four Mile Point Light, 1934.	State	" "
		Stan	" "
Live	Live, 1935	Toy	" "
		Ute	" "
	Topographic signal	Yet	" "
Ace	Sheet No. T-6669 a		
Ask	" "	Arc	Sheet No. T-6669 b
Basin	" "	Jag	" "
Bet	" "	Mid	" "
Bing	" "	Moe	" "
Bud	" "	Pet	" "
Bug	" "	Sod	" "
Cab	" "		
Cap	" "	At	Sheet No. T-6670 b
Dan	" "	Ax	" "
Did	" "	Be	" "
Do	" "	Bent	" "
Dos	" "	Bill	" "
Duf	" "	Buck	" "
El	" "	Boy	" "
Eve	" "	By	" "
Fig	" "	Dim	" "
Fir	" "	Ed	" "
Flit	" "	Eta	" "
Fun	" "	Fin	" "
Han	" "	Gat	" "
If	" "	Gus	" "
Jag	" "	Hew	" "
Jax	" "	Hit	" "
Joe	" "	Hot	" "
Lad	" "	Ire	" "
Lem	" "	Key	" "
Lot	" "	Lag	" "
My	" "	Last	" "
Mud	" "	Man	" "
Ned	" "	Mic	" "
Oil	" "	Mile	" "
Per	" "	Next	" "
Poe	" "	Hip	" "
Ram	" "	Nut	" "
Rust	" "	Put	" "
Rye	" "	Post	" "
Sal	" "	Ray	" "
Sid	" "	Rod	" "

LIST OF SIGNALS
to accompany
Hydrographic Sheet
No. H-6448
(continued)

H6448

Hydrographic name.	Location	Following signals were located by inspection in narrow passages off Hogtown Bayou:
	Topographic signal	
Rosa	Sheet No. T-6670 b	
Saw	" "	Bad
See	" "	Bug
Sun	" "	Dan
Tex	" "	Doc
Town	" "	Fly
Tree	" "	Pen
Us	" "	Pod
Who	" "	Poy
Win	" "	Ric
Woe	" "	Rit
Yel	" "	Vet
		Yes
All	Sheet No. T-6671 a	
Art	" "	Following signal was located by inspection in Basin Bayou on a point:
Did	" "	Hat
Ole	" "	
Pat	" "	
Roc	" "	
	Hydrographic signal,	
	Page 1, Sdg. record,	
	Volume 16.	
Lit	" " "	
Not	" " "	

HYDROGRAPHIC SURVEY NO. H6448

Smooth Sheet One

Boat Sheet Two

Records; Sounding 17 Vols., Wire Drag Vols., Bomb Vols.

Descriptive Report Yes

Title Sheet Yes

List of Signals Yes (D.R. and Vol.1, sounding record)

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)

Hydrography: Total Days 5 ; Last Date Aug. 28, 1939

Remarks _____

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H6448**

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

Number of positions on sheet	... 4650
Number of positions checked	... 11
Number of positions revised	... 1
Number of soundings recorded	... 25693
Number of soundings revised	... 63
Number of soundings erroneously spaced	... 37
Number of signals erroneously plotted or transferred	... 0

Date: June 4, 1940.

Verification by } J. A. McCormick
Review by

Time: 85 hrs.

Time: 4 hrs.

Remarks

Decisions

	Remarks	Decisions
1		File No. 304 863
2		304 862
3		304 863
4		304 863
5		303 862
6		304 862
7		303 862
8		303 862
9		303 862
10	<i>omit from this survey</i>	304 862
11		304 862
12		304 862
13		304 862
14		304 863
15	*	304 863
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. H 6448

Name on Survey	Source of Name										
	A	B	C	D	E	F	G	H	K		
	On Chart No. 1264	On previous survey No.	On U. S. Maps	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
<u>Choctawhatches Bay</u> *	✓										1
<u>Basin Bayou</u>	✓										2
<u>Fournile Point</u>	✓										3
<u>Mack Bayou</u>	✓										4
<u>Hewett Bayou</u> *	✓										5
<u>Hogtown Bayou</u>	✓										6
<u>Mussett Bayou</u> *	✓										7
<u>Churchill Bayou</u>	✓										8
<u>Santa Rosa</u>	✓										9
Cedar Lake											10
<u>Live Oak Point</u>	✓										11
<u>Alligator Point</u>	✓										12
<u>Alagua Pt.</u>	✓										13
<u>Buck Bayou</u>	✓	*									14
<u>Hammock Pt</u>	✓										15
											16
											17
											18
											19
* USGB Decisions											20
											21
											22
											23
											24
											25
											26
											27

Names underlined in red approved
 by MAE on 1/15/40

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY }
 DESCRIPTIVE REPORT } No. H 6448
~~PHOTOSTAT COPY~~ } ~~copy~~

{ received Jan. 5 1940
 { registered Jan. 11, 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	✓	HBE	Pages 4 and 5
26			
30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82.	Lt. Reed
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LAC
HLP

TIDE NOTE FOR HYDROGRAPHIC SHEET

January 29, 1940

Division of Hydrography and Topography:

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

Plane of reference approved in
17 volumes of sounding records for

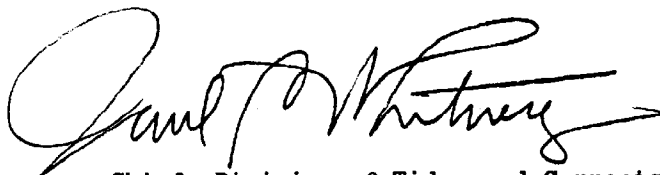
HYDROGRAPHIC SHEET 6448

Locality Choctawhatchee Bay (Central Part), Florida

Chief of Party: G. L. Anderson in 1939
Plane of reference is mean low water reading
1.7 ft. on tide staff at Basin Bayou
3.1 ft. below B. M. 1
3.5 ft. on tide staff at Santa Rosa
2.7 ft. below B. M. 1

Height of mean high water above plane of reference is 0.5 foot.

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

DIVISION OF CHARTS

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6448 (1939) FIELD NO. 1001

Florida, Choctawhatchee Bay, Central Part
Surveyed in June - September 1939, Scale 1:10,000
Instructions dated April 13, 1939 (G. L. ANDERSON)

Soundings:
Hand Lead and Pole

Control:
Three point fixes on shore signals.

Chief of Party - G. L. Anderson.
Surveyed by - H. F. Garber.
Protracted by - H. A. Duffy.
Soundings plotted by - H. F. Garber.
Verified and inked by - J. A. McCormick.
Reviewed by - J. A. McCormick, June 4, 1940.
Inspected by - H. R. Edmonston.

1. Shoreline and Signals.

This information is complete in the descriptive report, pages 1 and 2, Control.

2. Depth Curves.

Satisfactory.

3. Sounding Line Crossings.

Satisfactory.

4. Junctions with Contemporary Surveys.

Junctions with H-5869 (1935) on the west and H-6449 (1939) on the east are excellent.

5. Comparison with Prior Surveys.

H-1141 (1872) 1:20,000.

The area included on the present survey also is completely covered on H-1141. Development on the old survey was much scantier than in 1939 but brought out the principal features in the area. Differences in depth between 1872 and 1939 seldom exceed one foot and can be attributed mainly to natural changes in a bottom which is predominantly mud. An island 100 meters in diameter in lat. 30° 29.35', long. 86°14.75' on H-1141 is shown on T-1272 (1872) as a low water mud bank and is charted as a low water curve. Considering the old

topography and hydrography together it appears possible that the topographer may have mistaken something of a temporary nature for a shoal because the sounding lines on H-1141 pass within 10 meters of the topographic feature without mention of it in the records and with no change in depth. Regardless of whether the shoal existed in 1872, its supposed location was crossed by at least two sounding lines on the present survey and its present existence is considered disproved. Depths on the two surveys are in excellent agreement in this vicinity. The present survey supersedes H-1141 in the common area.

6. Comparison with Chart 1264 (New Print of May 5, 1939).

Within the area of the present survey, charted hydrography is from surveys discussed in the foregoing paragraphs.

7. Condition of Survey.

Satisfactory.

8. Compliance with Instructions for the Project.

Satisfactory.

9. Additional Field Work Recommended.

None.

10. Superseded Surveys.*

H-1141 in part.

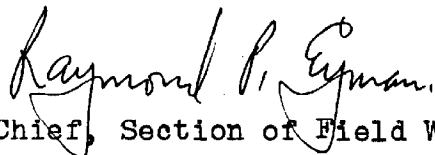
Examined and approved:



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



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.

Applied to Chart 1264 9-26-40
J.C. McJannet
870 Nov. 1946 M.L.H. v was

D