

6688

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Form 504  
Rev. Dec. 1933

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

DESCRIPTIVE REPORT

~~Topographic~~ } Sheet No. H-6688  
Hydrographic }

U.S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

JUL 28 1942

Acc. No. \_\_\_\_\_

State ALABAMA - MISSISSIPPI

LOCALITY

Gulf of Mexico

South of Mobile Bay

\_\_\_\_\_

1941

CHIEF OF PARTY

William M. Scaife

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. H-6688

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. 4241

REGISTER NO. H 6688 **H6688**

State ALABAMA - MISSISSIPPI

General locality Gulf of Mexico

Locality South of Mobile Bay

Scale 1:40,000 Date of survey June, 1941

Vessel HYDROGRAPHER

Chief of Party William M. Scaife

Surveyed by Ship's Officers

Protracted by W. W. Feazel

Soundings penciled by L. J. Walter

Soundings in ~~fathoms~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by

Inked by John K. Hartsock

Verified by John K. Hartsock

Instructions dated June 24, 1939

Remarks: This sheet was protracted at the Pensacola Processing Office and the soundings were penciled at the Norfolk Processing Office.

## DESCRIPTIVE REPORT

H6688

TO ACCOMPANY

SHEET NO. H - 6688

Proj. H 7-7236

This is one of a series of hydrographic sheets which were sent to this office for completion by the Pensacola Processing Office.

This sheet was protracted previous to its receipt at this office. The soundings were penciled and the depth curves drawn at this office. Since no descriptive report was written by the field party or the Pensacola Processing Office, the following report is written in lieu of same.

LOCALITY

This sheet comprises an area bounded on the north by latitude  $30^{\circ}04'$ , on the south by latitude  $29^{\circ}35'$ , on the west by longitude  $88^{\circ}20'$  and on the east by longitude  $88^{\circ}01'$ . This is an offshore sheet south of Mobile Bay in the Gulf of Mexico, off the coast of Mississippi and Alabama.

DISCREPANCIES

Lat.  $29^{\circ}47.5'$  and Longitude  $88^{\circ}08.5'$ , 105 to 110 H (incl.):

The course is  $280^{\circ}$  between positions 105 H and 110 H. This runs true from position 104 H to and including 107 H, and again from position 108 H to and including 110 H. There was probably a change in course at position 107 H and which ran to position 108 H, but which was not recorded in the sounding record. This line was plotted as above indicated.

*Line adjusted to hydrography.*

COMPARISON WITH PREVIOUS SURVEYS

The present survey was compared with a bromide of H - 4171, (1920) and was found to be in good agreement.

DANGERS

No obstructions or dangers were found on this sheet.

CHANNELS

No channels were developed on this sheet.

JUNCTIONS WITH CONTEMPORARY SURVEYS

H-6550 This sheet joins the present survey on the south and is in excellent agreement with it.  
1940

H-6656 This sheet joins the present survey on the southeast and is in excellent agreement with it.  
1940

H-6554 This sheet joins the present survey on the east and is in  
1940

excellent agreement with it.

H-6552 This sheet joins the present survey on the west and south-  
1940 west and is in good agreement with it.

The maximum discrepancy in the above junctions does not exceed two feet:

GEOGRAPHIC NAMES

There are no new geographic names in the area covered by this sheet.

Respectfully submitted,



Isadore M. Zeskind,  
Associate Cartographic Eng'r.

Norfolk, Va.,  
July 18, 1942

Approved and forwarded.



H. C. Warwick  
Officer in Charge  
Norfolk Processing Office.

STATISTICS FOR SHEET H-6688

H6688

HYDROGRAPHER 1941

Date 1941	Letter Day	Volume Number	Positions	Soundings	Statute Miles
June 10	A	1	19	217	20.5
11	B	1	67	747	68.7
12	C	1 & 2	136	1574	147.8
13	D	2	77	480	75.7
16	E	2	45	478	43.8
17	F	2	57	594	55.7
18	G	2 & 3	169	1687	158.5
19	H	3 & 4	123	1305	125.2
20	J	4	34	351	31.6
24	K	4	125	1369	136.4
25	L	4 & 5	142	1688	167.3
26	M	5	88	1142	112.0
27	N	5 & 6	137	1680	166.5
28	P	6	113	1200	118.2
Totals			1332	14512	1427.9

Remarks

Decisions

	Remarks	Decisions
1	For title	
2	.. .	
3		
4		
5		
6	Location of tide staff	
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26		
27		
M 234		

GEOGRAPHIC NAMES  
 Survey No. **H6688**

Name on Survey	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.	
Gulf of Mexico										1
Mobile Bay										2
										3
										4
										5
Fort Morgan										6
										7
										8
										9
										10
										11
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										26
										27

Names underlined in red approved  
 by L. Hack on 10/27/42

Surveys Section (Chart Division)

HYDROGRAPHIC SURVEY NO. **H6688**

Records accompanying survey:

Boat sheets 999.; sounding vols. (6)..; wire drag vols. ....; bomb vols. ....; graphic recorder rolls .....; special reports, etc. 1. ~~overlay tracing~~ .....

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

Number of positions on sheet	.1332
Number of positions checked	.143.
Number of positions revised	..4.
Number of soundings recorded	14,512
Number of soundings revised (refers to depth only)	..10.
Number of soundings erroneously spaced	.345
Number of signals erroneously plotted or transferred	....0.
Topographic details	Time ...0 hrs.
Junctions	Time ...0.
Verification of soundings from graphic record	Time ...0.

Verification by *John K. Hartsock*..... Total time .262 hrs. Date 4/27/43

Review by *R.H. Carstensen*... Time .204 hrs Date 5/3/43.



# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
 DESCRIPTIVE REPORT  
~~PHOTOSTATIC~~

} No. H **H6688**  
~~10000~~

{ received **July 28, 1942**  
 registered **August 10, 1942**  
 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			
26			
30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	<b>R. W. Knox</b>
----	-------------------

*RWK*

LAC  
HLE

TIDE NOTE FOR HYDROGRAPHIC SHEET

August 12, 1942.

~~Division of Hydrography and Topography:~~

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

Plane of reference approved in  
6 volumes of sounding records for

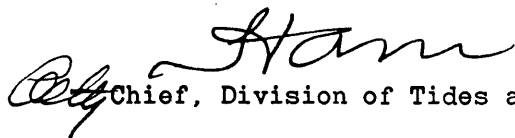
HYDROGRAPHIC SHEET 6688

Locality South of Mobile Bay, Gulf of Mexico.

Chief of Party: Wm. Scaife in 1941  
Plane of reference is mean low water reading  
2.4 ft. on tide staff at Fort Morgan  
5.4 ft. below B. M. 1

Height of mean high water above plane of reference is 1.1 feet.

Condition of records satisfactory except as noted below:

  
Chief, Division of Tides and Currents.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. 6688

Field No. 4241

Alabama - Mississippi, Gulf of Mexico,  
South of Mobile Bay  
Surveyed in June 1941; Scale 1:40,000  
Instructions dated June 24, 1939

Soundings:

Fathometer Dorsey

Control:

Sextant Fixes on Buoys

Chief of Party - W. M. Scaife  
Surveyed by - Ship's Officers  
Protracted by - W. W. Feazel  
Soundings plotted by - L. J. Walter  
Verified and inked by - J. K. Hartsock  
Reviewed by - R. H. Carstens  
Inspected by - H. R. Edmonston

1. Shoreline and Signals

This is an offshore survey and no shoreline is shown. The signals consist of hydrographic buoys located by a taut-wire, sun-azimuth traverse.

2. Sounding Line Crossings

Satisfactory: the general excellence of crossings serves to emphasize discrepancies of 2 or 3 feet in two cross lines. The D day line, from position 13 to 23, crosses 11 other lines and averages about 2 feet too shoal; the K day line, from 99 to 101, crosses 3 lines and averages about 3 feet too deep.

3. Depth Curves

Satisfactory.

4. Junctions with Contemporary Surveys

The junctions with H-6554 (1940) and H-6656 (1940) on the east, H-6550 (1940) on the south and H-6552 (1940) on the west will be considered in the reviews of those surveys. A butt junction was made on the north with H-4171 (1920). This is the northern limit of the project.

5. Comparison with Prior Surveys

- a. H-420 (1854) 1: 600,000  
H-483 (1854-55) 1:1,200,000  
H-599 (1857-58) 1:1,200,000

These are track line surveys which cross the present survey. Agreement is fairly good, generally being within 10 feet. The present survey develops this area adequately and should supersede these surveys within the common area.

- b. H-4134 (1920) 1:120,000  
H-4171 (1920) 1: 80,000  
H-4212 (1922) 1: 80,000

The agreement with these prior surveys is fairly good. There are differences in depth amounting to as much as 10 feet in a few spots as for example in Lat. 29°59.7', Long. 88°12.6' where the present depth of 85 feet falls in prior depths of 95 feet. Generally, however, the differences are less than 6 feet with the present depths being the shoaler. Where prior depths are shoaler they can be disregarded since the differences are relatively unimportant in the depths involved. The present survey is considered adequate to supersede these prior surveys within the common area.

6. Comparison with Chart 1115 (Latest print date 11-20-42)

a. Hydrography

The charted hydrography within the limits of the present survey originates with the previously mentioned surveys which need no further consideration.

b. Aids to Navigation

There are no aids to navigation within the limits of the present survey.

7. Condition of Survey

Satisfactory, except that the Descriptive Report was prepared by the processing office rather than by the hydrographer.

8. Compliance with Instructions for the Project


Satisfactory.

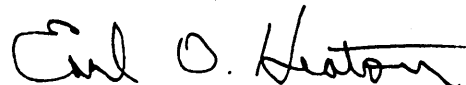
10. Superseded Surveys


H- 420 (1854)	in part
H- 483 (1854-55)	" "
H- 599 (1857-58)	" "
H-4134 (1920)	" "
H-4171 (1920)	" "
H-4212 (1922)	" "

Examined and approved:

  
Chief, Surveys Branch

  
Chief, Division of Charts

  
Chief, Section of Hydrography

  
Chief, Division of  
Coastal Surveys

Applied to chart 1115. (after review) L.A.M. 5/5/44.

Applied to Cht. 1266 8-31-44 K.R.

Partially applied to bk 1267 9/16/44 W.A.B.

Applied to chart 1267 2-13-45 P.H.