

8649

Diag. Cht. No. 1267.

FORM C&GS-504

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. ECCP-10-1-62 Office No. H-8649

LOCALITY

State Mississippi

General locality Mississippi Sound

Locality Pascagoula River and Tributaries

1962

CHIEF OF PARTY

S. L. Hollis, Jr.

LIBRARY & ARCHIVES

DATE October 24, 1963

USCOMM-DC 37022-P66

8649

HYDROGRAPHIC TITLE SHEET

H-8649

INSTRUCTIONS - 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.
ECFP-10-1-62

State MISSISSIPPI

General locality MISSISSIPPI SOUND

Locality PASCAGOULA RIVER AND TRIBUTARIES

Scale 1:10,000 Date of survey 9 January 1962 - 24 May 1962

Instructions dated 22/MEK, ECFP, 18 SEPT. 1959 Project No. OPR-410

Vessel LAUNCH CS-183 and SKIFF 758

Chief of party LCDR. STEVEN L. HOLLIS, JR.

Surveyed by LT. (jg) WILLIAM B. STOKES AND DAVE W. GEORGE

Soundings taken by echo sounder, ~~XXXXXXXX~~ pole _____

Graphic record scaled by PARTY PERSONNEL

Graphic record checked by PARTY PERSONNEL

Protracted by Dorothy C. Calland (Norfolk Office)

Soundings penciled by Dorothy C. Calland " "

Soundings in ~~XXXXX~~ feet at MLW ~~XXXXX~~ AND ALL TRUE DEPTHS

REMARKS: _____

HCA

DESCRIPTIVE REPORT
TO ACCOMPANY HYDROGRAPHIC SURVEY H-8649
(Field No. ECFP 10-1-62)
Project OPR-410

SCALE; 1:10,000

EAST COAST FIELD PARTY

CHIEF OF PARTY

LCDR. STEVEN L. HOLLIS, JR.

A. PROJECT

Work on project OPR-410 was executed in accordance with instructions 227/MEK, ECFP, dated 18 September 1959 and Supplemental instructions 221/MMY, ECFP, dated 11 April 1961.

B. AREA SURVEYED

This is a survey of the Pascagoula and west Pascagoula Rivers and tributaries North of Lat. $30^{\circ} 21.5'$; TO Lat. $30^{\circ} 26.0'$, Long. $88^{\circ} 29.5'$ to Long. $88^{\circ} 38.0'$.

The survey was conducted from 9 January 1962 to 24 May 1962. This survey makes junction with contemporary surveys H-8645 (ECFP 10-1-61) on the south and H-8650 (ECFP 10-2-62) on the southwest.

C. SOUNDING VESSELS

Vessels used for the survey were Skiff 758 and Launch 183.

<u>VESSEL</u>	<u>IDENTIFYING COLORS</u>	<u>DAY LETTERS</u>
Skiff 758	Red	a thru. s days
Launch 183	Violet	a day(only)

D. SOUNDING EQUIPMENT

Fathometer- Type 808J, Nos. 113 and 154 were used on Skiff 758. Fathometer No. 113 was used on a, b, f, g, n, p, and s days. Fathometer No. 154 was used on c, d, e, h, j, k, l, m, q, and r days. A sounding pole was used to obtain depths of 2ft. or less and on several days when the fath. malfunctioned.

An Edo-255C, Serial No. 15, Echo Recorder was used on Launch 183. A sounding pole was used for depths of 6ft. and less.

Corrections to be applied to echo soundings were determined from daily bar checks. An abstract of these corrections is tabulated in Appendix B of this report.

No unusual difficulties were encountered with the sounding equipment.

E. SMOOTH SHEET

The smooth sheet was projected and ruled by the Washington Office.

F. CONTROL

Horizontal control was obtained by standard three-point visual fix methods with the exceptions listed in Section L of this report.

Photo-hydro signals were located from Advance Manuscripts Nos. T-10741 T-10742, T-10749, T-10750 and T-10751.

See Appendix C of this report for a complete list of control stations and the quality and source of control.

G. SHORELINE

Shoreline was transferred from blueline prints of Advance manuscripts as listed in Section F of this report. No noticeable change in shoreline was observed. The Low range of tide prevented defining low water line in the shallow flats. The low water line was impossible to define in the rivers due to the steepness of the bank.

H. CROSSLINES

Crosslines were run to the extent of 4% and were in good agreement. More extensive crosslines were prevented by the difficulty of obtaining fixes in the river areas north of Lat. $30^{\circ}23.30'$.

I. JUNCTIONS

Junctions made with contemporary surveys listed in Section B of this report are in good agreement and depth curves can be adequately drawn.

J. COMPARISONS WITH PRIOR SURVEY

A comparison with prior survey Register No. 4021, Scale 1:40,000 dated 1917 was made. The only area of comparison is in Middle River as the prior survey junctions on the North at Lat. $30^{\circ}22.30'$ at this point. The comparison shows good agreement. However, the prior survey was not extensive as the area consisted of only three sounding lines.

K. COMPARISON WITH THE CHART

A comparison was made with Chart No. 1267, 7th. Edition, dated Dec. 1960, scale 1:80,000. This chart was used for comparison because the 8th. Edition Chart dated April 2, 1962 does not have depths in the Pascagoula River or tributaries. The Pascagoula Channel Turning Basin was dredged during March 1962, previous to the present survey. The controlling depths have increased from 29ft. in the mid-half to 34ft. The Pascagoula River is deeper than the few soundings on the Chart indicate in the area from the highway Bridge at Lat. $30^{\circ}22.30'$, Long. $88^{\circ}33.75'$, North to Bayou Chamier Light. For the most part the other depths are in good agreement with the exception of the 53ft. depth northwest of Krebs Lake and the 35ft. depth northeast of Griffin Point.

6553-36
K. COMPARISON WITH THE CHART (Cont')

These depths are no longer representative of the bottom configuration as this survey indicates depths shallower by 20ft. and 5ft. respectively.

The Escatawpa River Channel, between Dog River Cutoff Lt. No. 1 and Dog River Cutoff Lt. No. 3, has been deepened and now has a controlling depth of 18ft. as compared to 12ft. as of July 1961. This Channel was not fully developed as the hydrography was run parallel to the channel. This method shows satisfactory results for the most part with the exception of the area at Lat. $30^{\circ}25.35'$, Long. $88^{\circ}32.20'$. The two hydro. lines were run parallel to the channel and failed to show the deeper depths. The 70 meter space between the two lines is wider than the channel and it is logical to assume the channel would lie between the two parallel lines which have a ^{limiting} maximum depth of $1\frac{1}{2}$ ft.

Dredging operations have been performed at the following two locations Lat. $30^{\circ}22.90'$, Long. $88^{\circ}34.10'$ and Lat. $30^{\circ}25.15'$, Long. $88^{\circ}33.90'$.

The stranded wreck which is bare 2.4ft. at MLW, in 7.5ft. of water at Lat. $30^{\circ}25.38'$, Long. $88^{\circ}32.22'$ is considered a danger to navigation due to its proximity to the channel and should be charted. The wreck was located by Skiff 758, pos. 79 r. ^{Applied} _{WBW} *checks top location.*

There were no pre-survey review items within the limits of this survey.

L. ADEQUACY OF SURVEY

This survey is complete and adequate to supercede prior surveys. Due to the limited visual control, positioning of the sounding vessel was by estimation of distances relative to shoreline detail in the North part of the West Pascagoula River and its tributaries and in some of the tributaries of Pascagoula River. This method is considered adequate as these waterways have little traffic and would be used by shallow draft vessels.

M. AIDS TO NAVIGATION

The Landmarks for Charts and Fixed Aids to Navigation Report was previously submitted by Photo. Party 720.

There were no floating aids to navigation or private aids within the limits of this survey.

A comparison was made with Chart 1267, 8th. Edition, dated 2nd. April 1962 and the Light List dated 1962. All aids to navigation adequately serve the purposes for which they were established.

A submarine water pipeline has been layed at Lat. $30^{\circ}22.81'$, Long. $88^{\circ}32.83'$ which is the south terminus. The north terminus is 50 meters NNW. of the point of entrance. _{US}

N. STATISTICS

<u>VESSEL</u>	<u>NO. OF VOLUMES</u>	<u>NO. OF POSITIONS</u>	<u>NAUTICAL MILES OF SOUNDING LINES</u>
Skiff /58	6	1144	130.7
Launch 183	<u>1</u>	<u>42</u>	<u>7.3</u>
TOTAL.	<u>7</u>	<u>1186</u>	<u>138.0</u>

Total area of hydrography on this survey is 7 square miles. Current observations were made at the HWY.90 Bridge, Lat.30°22.30', Long. 88°33.76', by this party and the report was submitted to the Washington Office. No Tide or Magnetic Stations are within the limits of this survey. 16 Bottom samples were obtained.

O. MISCELLANEOUS

Not Applicable.

Submitted by,
Allen S. Davis
for Dave W. George
Surveying Technician

APPENDIX ATTACHMENTS

- A. TIDAL NOTES
- B. ABSTRACT OF CORRECTIONS
TO ECHO SOUNDINGS
- C. LIST OF SIGNALS
- D. APPROVAL SHEET

APPENDIX A

TIDAL NOTES

GAGE LOCATION: Pascagoula, Mississippi.
Lat. $30^{\circ}20.45'$
Long. $88^{\circ}32.05'$

Gage Type: Portable Automatic

Staff: Mean low water corresponds to 1.2ft. on the staff.

Time Meridian: 90th.

Time or Height corr.: None

GAGE LOCATION: Bayou La Batre, Alabama.
Lat. $30^{\circ}22.3'$
Long. $88^{\circ}16.5'$

Gage Type: Portable Automatic

Staff; Mean low water corresponds to 0.4ft. on the staff.

Time Meridian: 90th.

Time or Height Corr.: None

Tide data from the Pascagoula Gage was used to control all Hydro. on this survey with the exception of (a) day, Skiff 758. The Bayou La-Batre Gage data was used for this day as the Pascagoula gage was inoperative. The tide data was applied without time or height corr. See letter from Chief-Marine Data Division dated Oct. 3, 1961, to the East Coast Field Party, Ref-No. 2221-238-13B4.

APPENDIX B.

ABSTRACT OF CORRECTIONS TO ECHO SOUNDINGS

SKIFF 758

Day Letter	Fathometer No.	Depths (Ft.)	Corr. (Ft.)
a	113(808J)	2.0 to 27.0	+0.8
		27.1 to 32.0	+0.6
		32.1 to 35.0	+0.4
b	113 (808J)	0.0 to 30.0 & Deeper.	+0.4
c,d,e & r	154 (808J)	All Depths	0.0
f & g	113 (808J)	2.0 to 8.0	+0.4
		8.1 to 15.0	+0.6
		15.1 to 36.0	+0.4
		36.1 to 41.0	+0.2
		41.1 to Deeper	0.0
h,j,&k	154 (808J)	0.0 to 2.0	0.0
		2.1 to 9.0	+0.2
		9.1 to Deeper	+0.4
l,m & Q	154 (808J)	1.5 to 14.0	+0.2
		14.1 to 22.0	0.0
		22.1 to 25.0	+0.2
		25.1 to Deeper	+0.4
p & s	113 (808J)	2.0 to 5.0	+0.4
		5.1 to 9.0	+0.6
		9.1 to 16.0	+0.8
		16.1 to 24.0	+1.0
		24.1 to Deeper	+1.2
N	113 (808J)	All depths	+0.4 (from bar check)

LAUNCH 183

Day Letter	Echo Rec. No.	Depths (Ft.)	Corr.(Ft.)
a	15(255)	4.0 to 7.0	-0.6
		7.1 to 10.0	-0.4
		10.1 to 15.0	-0.2
		15.1 to 26.0	0.0
		26.1 to 33.0	+0.2
		33.1 to Deeper	+0.4

APPENDIX C

LIST OF SIGNALS

8648 61-62

TRIANGULATION STATIONS

AND	Pascagoula BVD Brand Water Tank, 1958
LOW	Lowry, 1935
MAST	Pascagoula Radio Station WPMP Mast, 1958
NOR	Pascagoula North Municipal Water Tank, 1958
OLE	Kreole International Paper Co. Center Stack, 1958
PAL	Moss Point Municipal Water Tank, 1930
PAS	Pascagoula Port Authority Grain Elevator, 1961
PORT	Pascagoula Port Facilities Water Tank, 1958
RAD	Pascagoula County Police Radio Station KKC 653 Mast, 1958
RAN	Pascagoula Channel Range C Rear Light, 1958 (rebuilt 1962)
TAN	Moss Point East Municipal Water Tank, 1958
TIE	Gautier Tank, 1935
WAT	Moss Point Thiokol Chemical Corp. Water Tank, 1958

See
H-8645
Norfolk R.O.
RODENTUM



5/24

APPENDIX C

LIST OF SIGNALS (Con't.)

PHOTO-HYDRO SIGNALS

T-10741

BAN
BIB
BUT
DAY
FAR
HAM
HUB
LIG
MAG
MOO

NAT
OLD
POL
RIM
RIV
RUM
SET
SOP
SOW
VAL

T-10742

CUR
CUT
DOG
~~FOR~~ ^{FOP} PIE
GOB
JOE
LAD
LAX
NIG
NIP
NOW
OAK
ODD
OFF

OUT
PAD
PAW
PUT
RIG
ROY
SHE
SOL
SOX
SUE
TAP
TOM
WAY

T-10749

SAD
TIT
YAK

T-10753⁰

ANN
FED
JAM
LEO
MOT
NUT
OWL
PET

PUG
RAG
RAT
SAM
SIP
SKY
WAD
WAX

T-10751

EVA
WED

FED
OWL
RAG
RAT
SAM
SKY
WAD

HYDROGRAPHIC STATION

HAR , Vol. 5 page 49

APPENDIX D

APPROVAL SHEET TO ACCOMPANY

Hydrographic Sheet H-8649 (ECFP 10-1-62)

Project OPR-410

The records, corrections, field and office work was supervised by LCDR Steven L. Hollis, Jr.

The descriptive report was written by Dave W. George, Survey Technician.

The report and records for this survey are complete and adequate to the best of my knowledge.

Approved and forwarded,

P. A. Stark
P. A. Stark
LCDR. C&GS
Officer-in-Charge

NORFOLK RECORDS PROCESSING UNIT
ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-8649 (ECFP-10-1-62)

GENERAL

Large areas of this survey, particularly in the river and channel areas, were undeveloped to the extent that depth curves could not be drawn with any reasonable degree of accuracy. Soundings at crossings are in good agreement and depth curves follow normal patterns in areas where there are sufficient soundings to delineate bottom contours.

DISCREPANCIES

References were made to uncharted piers on positions 50 and 59r, vol. 6. They were not smooth plotted as insufficient data was furnished.

Respectfully submitted,


Hugh L. Proffitt
Cartographer

Norfolk, Va.
October 16, 1963

GEOGRAPHIC NAMES
Survey No. H-8649

Name on Survey	Source										BGN	
	A	B	C	D	E	F	G	H	K			
Bayou Chemise	1267										X	1
Bayou McInnis	"										X	2
Crooked Bayou	"											3
Esatawpa River	"											4
Gurlie Bayou	875											5
Krebs Lake	1267											6
Lac la Buche	"											7
Lake Catchemall	"											8
Long Bayou	875											9
Marsh Lake	1267										X	10
Mary Walker Bayou	875											11
Middle River	1267											12
Pascagoula River	"										X	13
R R Corner	"											14
Rabbit Island	"											15
Twin Islands	"											16
West Pascagoula River											X	17
												18
												19
												20
												21
Beardslee Lake												22
Bounds Lake												23
Griffin Point												24
McInnis Lake												25
O'Leary Lake												26
Robertson Lake												27
COMYRIE BAYOU												28

Geographic Names Section
26 November 1963

Names approved
June 5, 1968
Frank W. Fisher

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. 8649....

Records accompanying survey: Smooth sheets ¹.....;
 boat sheets ¹...; sounding vols. ⁷.....; wire drag vols.;
 Descriptive Reports ¹...; graphic recorder envelopes ⁶...;
 special reports, etc. ^{1-Paper Overlay}.....

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

Number of positions on sheet	.....	^{x+9} 1195 Total
Number of positions checked	.....	²⁰
Number of positions revised	.....	¹
Number of soundings revised (refers to depth only)	.....
Number of soundings erroneously spaced	.....
Number of signals erroneously plotted or transferred	.....
Topographic details	Time	.....
Junctions	Time	.....
Verification of soundings from graphic record	Time	..... ^{4 hrs}
Special adjustments*	Time	.....
<i>Depths obtained 4/2/64 verified and transferred to SS E.E. Thomas</i>	Time	3 hrs.

Verification by *Allan K. Schugert* Total time ^{128 hrs} Date ^{7/26/65}.....

Reviewed by *Dennis J. Romesburg* Time ^{73 hrs} Date ⁴⁻⁴⁻⁶⁸.....
Rev D. R. Engle 44 5-2-68

9.7.4

OFFICE OF HYDROGRAPHY AND OCEANOGRAPHY

MARINE CHART DIVISION

HYDROGRAPHIC SURVEY REVIEW

REGISTRY NO. H-8649

FIELD NO.- ECFP 10-1-62

Mississippi, Mississippi Sound, Pascagoula River and Tributaries

SURVEYED: January 9, 1962 -- May 24, 1962

SCALE: 1:10,000

PROJECT NO. OPR-410

SOUNDINGS: 808 Fathometer,
Sounding Pole,
EDO Depth Recorder,
Hand Lead

CONTROL: Sextant fixes on
shore signals - Esti-
mated positions.

Chief of Party.....	S. L. Hollis, Jr.
Surveyed by.....	W. B. Stokes
	D. W. George
Protracted by.....	D. C. Calland
Soundings Plotted by.....	D. C. Calland
Verified and Inked by.....	A. K. Schugeld
Reviewed by.....	D. J. Romesburg
	date: 4/4/68
Inspected by.....	R. H. Carstens

1. Description of the Area

This survey covers the Pascagoula and West Pascagoula Rivers and their tributaries from lat. 30°21'30" to lat. 30°26'00" and from long. 88°29'30", long. 88°38'00".

The topography of this area is flat, low-lying and covered extensively by marshes. The rivers and their tributaries are characterized by meandering channels through the marshes and by irregular bottoms. Deep holes, where the depths exceeded 50 ft., were recorded in the river channels. Numerous bayous and small lakes form connecting waterways between the main river channels and can accommodate shallow draft vessels only. The Pascagoula River is navigable by deeper draft vessels as far north as the city of Pascagoula. From Pascagoula northward, twelve feet can be carried into the Escatawpa River.

2. Shoreline and Control

The shoreline originates with reviewed photogrammetric manuscripts T-10741, T-10742, T-10743, T-10750, and T-10751 of 1957-62, supplemented by one revision by the hydrographer in lat. $30^{\circ}24.45'$, long. $88^{\circ}33.50'$. The mean low water line on T-10750 in lat. $30^{\circ}21'00''$, long. $88^{\circ}35'35''$ is in error and should be disregarded.

The origin of the control is given in the Descriptive Report.

3. Hydrography

A. Depths at crossings are in good agreement.

B. The usual depth curves are adequately delineated in the areas of sufficient development. Only single lines of soundings were run in West Pascagoula River and the Old Escatawpa River course at Moss Point. The depth curves are not shown in these areas.

C. Development of the bottom configuration and investigation of least depths are generally adequate except in West Pascagoula River, Bayou Chemise, the Escatawpa River and shoal water lakes of minor navigational value.

4. Condition of the Survey

The field plotting, sounding records, and Descriptive Report are adequate and conform to the requirements of the Hydrographic Manual, except that the sounding volumes were not signed as having been inspected by the Chief of Party.

The sounding records and the boat sheet were not examined closely during verification. Numerous items such as foul area limits, dolphins, stakes, and pier ruins recorded either in the volumes, on the fathograms, or on the boat sheet were not transferred to the survey prior to review. The reviewer also added sections of the mean low water line from the topographic surveys.

5. Junctions

Adequate junctions were effected with H-8645 (1961) on the south and H-8650 (1962) on the southwest.

6. Comparison with Prior Surveys

- A. H-365 (1853-1889) 1:20,000
H-328 (1853) 1:20,000

These prior surveys cover the southern half of the present survey. Extensive cultural changes have occurred throughout the common area. A large land fill centered at lat. $30^{\circ}22'40''$, long. $88^{\circ}35'30''$, and the subsequent construction of a railroad and highway over it, has severed and partially filled the waterways in this area. A new canal has been dredged at lat. $30^{\circ}23'00''$, long. $88^{\circ}35'31''$, which connects the main rivers. A comparison of the hydrography within the common area reveals that a general increase in depths has occurred, except in Lac la Buche where a decrease from 3 ft. to 1/2 and 1 ft. depths has occurred. Previous maximum depths recorded in the Pascagoula River were 17 ft. while in the same area today the river has been dredged to depths of 34-ft. Depth increases of 2 to 5 feet have been revealed in the West Pascagoula River and in the Middle River between Twin Islands and Rabbit Island, and between Rabbit Island and R R Corner. The larger scale present survey is adequate to supersede the prior surveys within the common areas.

- B. H-4021 (1917) 1:40,000

Only three sounding lines from this survey fall within the limits of the present survey. These sounding lines show good agreement and the present survey is considered adequate to supersede the prior survey within the common area.

7. Comparison with Charts

- 414 (latest print date 1-15-68)
874-SC (latest print date 10-14-67)
1267 (latest print date 10-2-67)

A. Hydrography

The charted hydrography originates with the previously discussed prior surveys which need no further consideration and soundings from the boat sheet of the present survey. Specific attention is directed to the following items:

1. A snag charted in lat. 30°22'08", long. 88°37'03" from a source not identified falls in an area on the present survey noted as being foul. *414 deleted Snag added Foul*

2. The charted low water areas in the following positions were taken from the boat sheet before verification and ^{now} show 1/2-ft. as the least depth. It is recommended that these areas be removed from the chart.

- lat. 30°21'45", long. 88°37'38" } *414 deleted LWL off*
- lat. 30°21'35", long. 88°35'28" }
- lat. 30°21'30", long. 88°35'21" }
- lat. 30°22'10", long. 88°36'08" }

3. A 6-ft sounding charted in lat. 30°21'54", long. 88°36'16" was found to be an 8-ft. sounding after verification. It is recommended that this 6-ft. sounding and depth curve be deleted from the chart. *414 deleted off*

4. Two small islets charted at lat. 30°21'50", long. 88°37'04", and lat. 30°21'56", long. 88°36'57" originate with Advance Manuscripts of T-10750. The Reviewed Photogrammetric Manuscript T-10750 shows the areas to be grass in the water. It is recommended that the high water line be deleted. *414 deleted islands off*

5. The following items were charted subsequent to the date of the present survey by photo revisions (Bp 98087) and should be retained:

- Pier at lat. 30°22'02", long. 88°37'37"
- Pier at lat. 30°22'07", long. 88°37'20"
- Pier at lat. 30°22'19", long. 88°37'05"
- Marine Railway ruins at long. lat. 30°21'34", long. 88°33'49"
- A canal at lat. 30°22'09", long. 88°37'30"

6. The dredged area and pilings charted in lat. 30°22'34", long. 88°33'54" originate with Chart Letter 562 (1966) subsequent to the date of the present survey and should be retained on the chart.

5
414 No correct
not in 27
7. Two piers are charted in lat. $30^{\circ}21'50''$, long. $88^{\circ}37'52''$ on Charts 874-SC and 1267. These piers are not charted on Chart 414, the largest scale chart in this area. Bp 59062, a G.S. Quad. with photo revisions, was used as the authority for the topography on Chart 414. Bp 59062 was later applied to the smaller scale charts through Chart 414. However, the topography was not brought into total agreement. It is recommended that the topography on Charts 414, 874-SC and 1267 be made to coincide.

8. An islet, erroneously charted at the entrance to R R Corner in lat. $30^{\circ}21'48''$, long. $88^{\circ}35'48''$ on Chart 1267, originates with H-365 (1853) as a 9-ft. sounding. During later chart revisions the 9-ft. sounding was not entirely removed and as a consequence was charted as an islet. It is recommended that this item be deleted from the chart.

9. A sunken wreck with a danger curve charted in lat. $30^{\circ}25'12''$, long. $88^{\circ}34'00''$ on Chart 1267 originates with N.M. 18/64, subsequent to the date of the present survey and should be retained on the chart. Applied thru N/M 18/64 W.B.W.

Except as noted above the present survey is adequate to supersede the charted information in the common area.

B. Controlling Depths

The charted controlling depths of Pascagoula River and Escatawpa River are based on data furnished by the U.S. Corps of Engineers, subsequent to the data of the present survey.

C. Aids to Navigation

Chart and survey positions of aids are in agreement. The aids to navigation as presently charted adequately serve the purposes intended.

8. Compliance with Instructions

The survey adequately complies with the Project Instructions except in the areas discussed in items 3b and 3c.

9. Additional Field Work

This survey is considered to be adequate for charting. No additional field work is recommended. In West Pascagoula River and other areas the survey provides only reconnaissance information which is probably adequate for the present navigational requirements.

Examined and Approved:

	
<hr/>	<hr/>
Chief Marine Chart Division	Associate Director Hydrography and Oceanography

INFORMATION FOR FUTURE PRE-SURVEY REVIEWS

A future pre-survey review of this area should call for the investigation of the submerged wreck charted in lat. $30^{\circ}25'12''$, long. $88^{\circ}34'00''$ on Chart 1267, which originated with Local Notice to Mariners 18,1964.

Difficulties were experienced in obtaining adequate visual control in the West Pascagoula River and other waterways on the western quarter of the survey north of lat. $30^{\circ}23'30''$.

Because of the meandering characteristics of the rivers and bayous in this low-lying area, changes in the shoreline should not be uncommon in the future.

Highway and canal construction has altered the shoreline of some bayous and lakes on the southern half of the survey. As a result, shoaling is evident in the water areas and is expected to continue in the future.

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

Nautical Chart Division: R.H. Carstens

1/8/64

Plane of reference approved in
7 volumes of sounding records for

HYDROGRAPHIC SHEET 8649

Locality Pascagoula River and Tributaries, Mississippi

Chief of Party: S.L. Hollis Jr.

Plane of reference is mean low water reading

1.2 ft. on tide staff at Pascagoula, Miss.

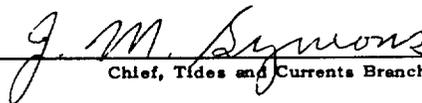
5.7 ft. below B.M. NO. 2 (1961)

0.4 ft. on tide staff at Bayou La Batre, Ala.

5.1 ft below B.M. NO. 1 (1961)

Height of mean high water above plane of reference is: 1.5 ft.

Condition of records satisfactory except as noted below:


Chief, Tides and Currents Branch

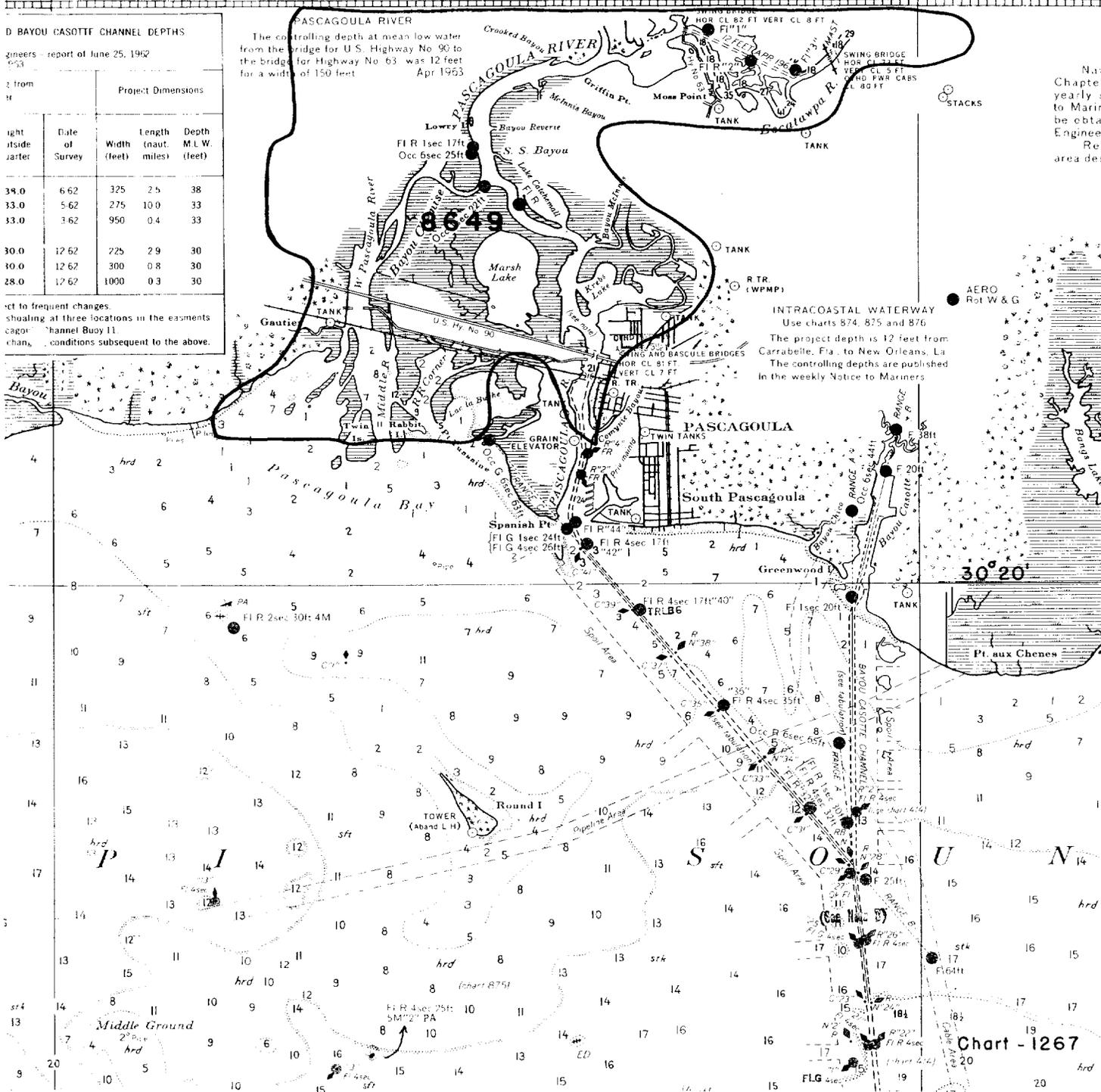
D BAYOU CASOTTI CHANNEL DEPTHS

Surveyors - report of June 25, 1962

Right of Way	Date of Survey	Project Dimensions		
		Width (feet)	Length (naut. miles)	Depth M.L.W. (feet)
39.0	6-62	325	2.5	38
33.0	5-62	275	10.0	33
33.0	3-62	950	0.4	33
30.0	12-62	725	2.9	30
20.0	12-62	300	0.8	30
28.0	12-62	1000	0.3	30

Subject to frequent changes, shoaling at three locations in the easements adjacent to the Bayou Casotti Channel Buoy 11, and other conditions subsequent to the above.

The controlling depth at mean low water from the bridge for U.S. Highway No. 90 to the bridge for Highway No. 63 was 12 feet for a width of 150 feet Apr 1963



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INTRACOASTAL WATERWAY
Use charts 874, 875 and 876
The project depth is 12 feet from Carrabelle, Fla. to New Orleans, La.
The controlling depths are published in the weekly Notice to Mariners

Chart - 1267

