

9004

Diag. Cht. Nos. 1267 & 1268.

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. HFP-742-20-68 Office No. H-9004

LOCALITY

State Mississippi

General locality Mississippi Sound

Locality Vicinity of Cat Island

1968-69

CHIEF OF PARTY

J. D. Boon, III.

LIBRARY & ARCHIVES

DATE 4-10-70

USCOMM-DC 37022-P66

9004

K COMPARISON WITH CHART

A comparison was made with Chart 876-SC, scale 1:40,000; 4th Edition, dated October 26, 1968. Sounding and depth curves are in good agreement with the exception as follows:

<u>Feature</u>	<u>Position</u>	<u>Remarks</u>	
6' shoal (charted)	30° 14.4' 89° 02.6'	The point of this shoal has extended approx. 200 meters eastward.	✓
Small Channel (uncharted)	30° 14.0' 89° 05.8' 5	A privately maintained channel in this vicinity was taken from manuscript T-11947. This channel should be shown on chart as privately maintained.	✓
Small Channel (uncharted)	30° 14.0' 89° 07.0'	This channel should be noted on chart as privately maintained. Small cane poles mark the entrance.	✓
Pile (charted)	30° 13.34' 89° 06.82' }	Private pile used as signal 037 <i>30° 13' 20.65"</i> <i>89° 06' 49.17"</i>	✓
Concrete blocks (uncharted) (obstr.)	30° 12.72' 89° 06.39' ✓	A group of concrete blocks approx. 4 meters in diameter. Blocks bare 2 ft. at MLW. Vol. 11 pg. 24, 101 day, skiff 758.	✓
Stumps & Snags (uncharted)	30° 12.50' 89° 04.50' ✓	There are numerous stumps and snags in this vicinity at high water line. These features should be charted. See B/S.	✓
Pile (charted)	30° 14.22' 89° 05.38' ✓ <i>30° 14' 13.48"</i> <i>89° 05' 21.36"</i>	This is the easterly of two piles approx. two meters apart. The westerly pile was used as signal 056	✓
Pile (5) (uncharted)	30° 14.28' 89° 05.58' ✓ 20	A small pile 4 inches in dia. marking private channel. Vol. 9, pg. 50, skiff 758.	✓
Pile (7) (uncharted)	30° 14.20' 89° 05.55' ✓	Same as above.	✓

K. COMPARISON WITH CHART (CONT'D)

Pile (6) (uncharted)	30° 14.12' 89° 05.53'	A small pile 4 inches in dia. marking private channel. Vol. 9, pg. 50, skiff 758.
PSI #16 <i>Positions not plotted on smooth sheet, using line spacing - spot system</i>	30° 16.11' 89° 05.25'	This wreck was searched for by running a system of close space sounding lines. There was no No wiring indication of the wreck in this vicinity. *Recommend this feature be deleted from chart. Vol. 5, pg. 51, 44 day, lch. * Not considered disproved. Should be retained as charted. See Review, par. 7A(2).
PSI #20	30° 10.19' 89° 04.12'	Same as above Not charted Vol. 8, pg. 58, 93 day, lch. CS-183
PSI #19 <i>Positions not plotted on survey sheet.</i>	30° 11.23' 89° 05.96'	A visual, fathometer, and wire ^(draw board) _{concord} drag search was performed without indication of wreck. Recommend wreck be removed from chart. Vol. 8, pg. 47
PSI #21 <i>Positions not plotted on smooth sheet. 4cm parallel lines. Area not charted.</i>	30° 10.50' 89° 07.00'	Same as above. Not considered disproved. Vol. 8, pg. 69 Should be retained as charted. See Review par. 7A(3)

L ADEQUACY OF SURVEY

This survey is considered adequate to supersede prior surveys for charting purposes.

M. AIDS TO NAVIGATION

The U.S. Coast Guard maintains 3 fixed aids and 4 floating aids within the limits of this survey. These aids adequately serve the purpose for which they were established. There are 4 privately maintained aids.

The position of all fixed aids were determined by Photo Party 61. Cat Island Spit Cove Light 2 (LL. 1942), signal 055 was destroyed in March.1969. The structure was rebuilt 30 April 1969 and the new position will be determined by Photo Party 61.

N. STATISTICS

<u>Vessel</u>	<u>No. of Positions</u>	<u>Miles sounding line</u>
Launch CS-183	1675	465.4
Skiff CS-758	579	100.8
Total area surveyed.....44.0 sq. miles		
Total bottom samples.....55		

O. MISCELLANEOUS

A portable bubbler tide gage, located at Pt. Cadet, Biloxi, Mississippi furnished tide control for the survey. Data for reduction of soundings were taken directly from the station records without time or range correction. See APPENDIX "C" TIDAL NOTE, of this report for additional information on this station.

Geographic Names:

A special report dated 7 April 1969 was submitted to Chief, Marine Chart Division W.S.C. Rockville, Maryland. The following changes in geographic names are proposed for two features in the limits of this survey.

1. Spit Cove - to - Smugglers Cove $30^{\circ} 12.0'$
 $89^{\circ} 06.0'$
2. Negro Point - to - Good Scotch Point $30^{\circ} 12.8'$
 $89^{\circ} 06.8'$

P. AUTOMATED DATA PROCESSING

A.D.P. was taped in the HFP-742 office by party personnel.

There are 4 errors on the signal overlay. These are noted and corrected on the overlay and printout. The following days were not logged: 44, 93, and 119 days.

The code on the final printout of sounding tape No.6 is in error throughout the tape. Code should read (one).

Respectfully submitted,

Floyd R. Gilden Jr.
Floyd R. Gilden Jr.
Surveying Tech.

APPENDIX "E"

APPROVAL SHEET TO ACCOMPANY

Hydrographic Survey H-9004 (742-20-2-68)

Project OPR-468

The field and office work was accomplished under my supervision.

The hydrography and descriptive report was done by E. R. Gilden.

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

Approved and forwarded,



Mark E. Harbert
Chief of Party

7507
7006
6655

E. SMOOTH SHEET *was*

This survey ~~will be~~ smooth plotted at Atlantic Marine Center, Norfolk, Virginia, using automated data processing punched tapes produced by party personnel. ✓

F. CONTROL

Horizontal control was obtain by standard ⁹visula three-point sextant fix method. Appendix "A" contains a complete list of control used and its quality and source. Appendix "D" contains a report submitted by Photo Party 61. ✓

G. SHORELINE

Shoreline detail for Cat Island was taken from Manuscripts T-11947, T-11946, and T-13036.-7/ ✓

H. CROSSLINES

Crosslines were run at approximately 10% of the regular system of sounding lines. Crosslines were in good agreement. ✓

I. JUNCTIONS

Depths at junctions with the surveys listed in section "B" are in good agreement and depth curves can be adequately drawn at these junctions. ✓

J. COMPARISON WITH PRIOR SURVEY

The results of this survey were compared with the following prior survey:

<u>Number</u>	<u>Date</u>	<u>Scale</u>
4000	1917	1:40,000

The depth curves are in good agreement with the exception of those near Lat. $30^{\circ} 14.0'$ to $30^{\circ} 16.0'$ N and Long. $89^{\circ} 05.0'$ to $89^{\circ} 08.0'$ W. In general, the prior surveys are 1 foot deeper beyond the 6 foot curve, with the exception of one to two feet from Lat. $30^{\circ} 15.0'$ to $30^{\circ} 17.0'$ N.; Long. $89^{\circ} 02.0'$ to $89^{\circ} 04.0'$ W.

The Gulfport Ship Channel in the vicinity of Lat. $30^{\circ} 18.0'$ and Long. $89^{\circ} 02.5'$ W. has been dredged to deeper depths.

All Pre-Survey Items will be discussed under Section K.
COMPARISON WITH CHART.

DESCRIPTIVE REPORT

TO ACCOMPANY

Hydrographic Survey H-9004 (742-20-2-68)

Project OPR-468

SCALE: 1:20,000

Hydrographic Field Party 742

CHIEF OF PARTY:

LCDR. John D. Boon III

SURVEYED BY:

Floyd R. Gilden Jr.

* * * * *

A. PROJECT

Work on project OPR-468 was done in accordance with Project Instruction dated 25 October 1968. ✓

B. AREA SURVEYED

The area covered by this survey is in the vicinity of Cat Island. ✓

Lat. 30° 10.0'N to 30° 19.0'N
Long. 89° 02.0'W to 89° 08.0'W

Field work on this survey commenced on the 6 day of Dec. 1968 and ended on the 29 day of April 1969.

Junctions were made on the north with contemporary survey H-8925 (Field No. 742-10-1-67, scale 1:10,000), on the NW corner with contemporary survey H-8970 (Field No. 742-10-1-68, scale 1:10,000) and on the East with contemporary survey H-8971 (Field No. 742-20-1-68)

~~Junctions were made with the following prior surveys:~~
Reg. No. 4000, scale 1:40,000, dated 1917.

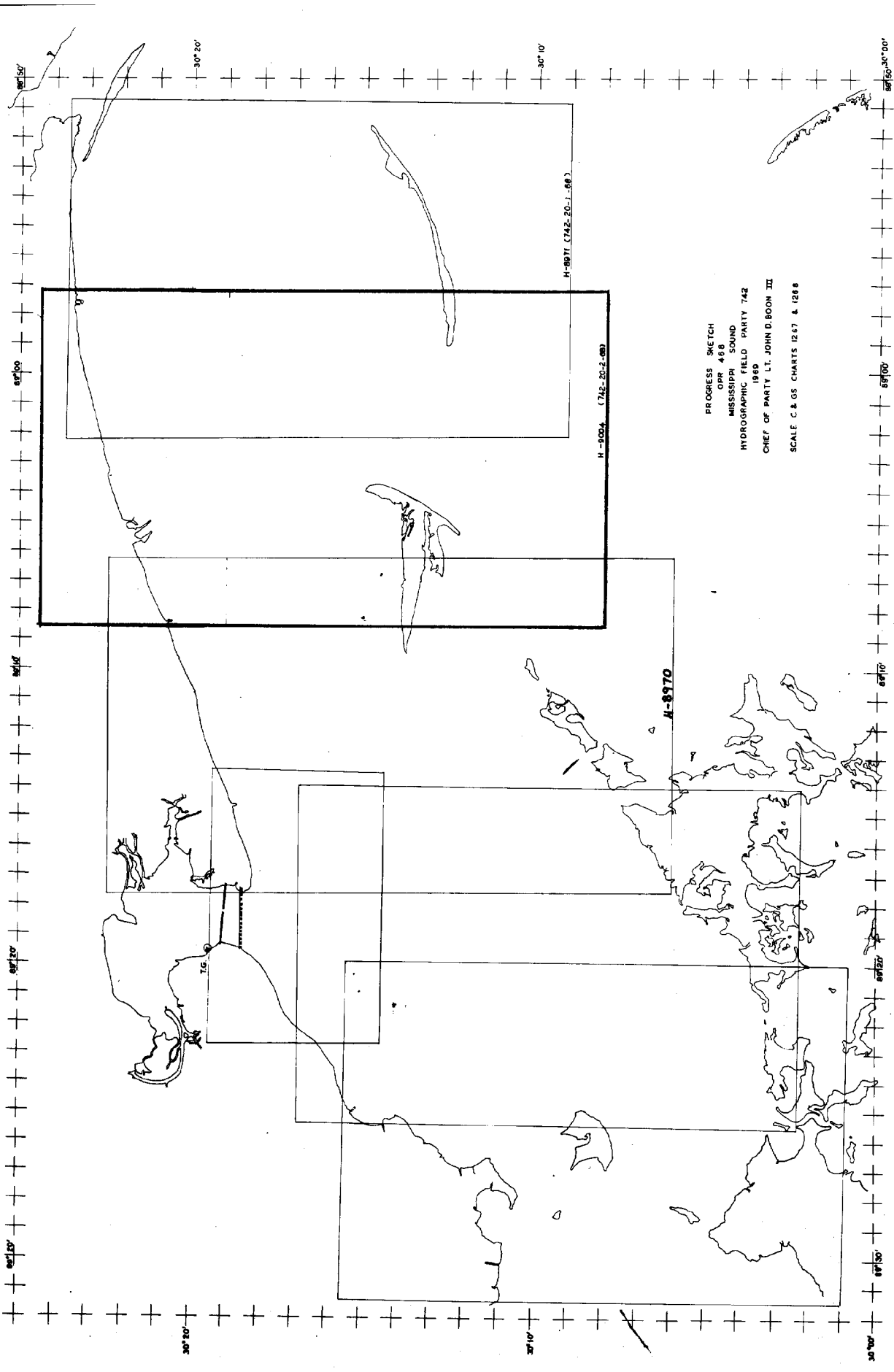
C SOUNDING VESSEL

The following vessels were used to obtain hydrographic data on this survey. ✓

Vessel	Identifying Color
Launch CS-183	violet
Skiff CS-758	red

D. SOUNDING EQUIPMENT

Raytheon Graphic Recorder, model DE-723 s/n 535 was used on Skiff CS-758 and s/n 806 was used on Launch CS-183. Pole and hand lead sounding were taken from both vessels. ✓

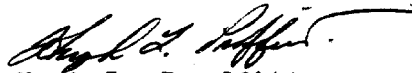


PROGRESS SKETCH
OPR 458
MISSISSIPPI SOUND
HYDROGRAPHIC FIELD PARTY 742
1969
CHIEF OF PARTY LT. JOHN D. BOON III
SCALE C & GS CHARTS 1257 & 1268

NORFOLK HYDROGRAPHIC PROCESSING BRANCH
VERIFICATION NOTES
H-9004

GENERAL

This appears to be an excellent basic survey. The relatively minor problems experienced during the verification process are listed in the accompanying AMC Plotter Notes to EDAT.



Hugh L. Proffitt
Chief, Hydro Br., AMC

Norfolk, Va.
April 1, 1970

H- 9004

A. Additions and corrections have been furnished the plotter
center by the verification unit. Except those marked for sub-
mission by Review.
Date April 1, 1970 Signed *Charles J. Puffin*
Title Chief, Hydro Br., AMC

B. Additions and corrections have been added to the survey
records and the final smooth sheet forwarded to the ~~verification~~
~~unit~~ Review
unit.

Date April 1, 1970 Signed *Charles J. Puffin*
Title Chief, Hydro Br., AMC

C. The smooth sheet has been inspected, is complete, and
meets the requirements of the General Instructions for
automated surveys and the Hydrographic Manual. (Note:
All exceptions are listed in the verifier's report).

Date April 1, 1970 Signed *Charles J. Puffin*
Title Chief, Hydro Br., AMC

D. Smooth sheet and records forwarded to Rockville, Maryland
Office.

Date April 2, 1970.

FIG. 18.

DESCRIPTIVE REPORT DATA RECORD			
PART I SMOOTH SHEET PREPARATION		PREPARED BY/OPERATOR	DATE
A. PLOTTER OPERATOR			
B. DISTORTION MARKS PLOTTED			
C. PROJECTION INTERSECTIONS PLOTTED			
D. POINTS OF ELECTRONIC CONTROL ARCS PLOTTED			
E. OVERLAYS PREPARED BY			
1. POSITION NUMBER			
2. EXCESS SOUNDINGS			
3. PRELIMINARY SMOOTH PLOT			
4. LIST OTHERS			
A.			
B.			
F. SOUNDING SELECTION BY			
G. PLOTTER INPUT	PREPARED		
H.	CHECKED		
I. DESCRIPTIVE REPORT ADDENDUMS			
PART II SMOOTH SHEET COMPLETION		CARTOGRAPHER	DATE
A. DISTORTION SCALE TICKS IDENTIFIED BY NOTE		ALLAN K. SCHUGELD	3/12/70
B. PROJECTION INTERSECTIONS VERIFIED BY		ALLAN K. SCHUGELD	3/11/70
C. PROJECTION LINES RULED BY		ALLAN K. SCHUGELD	3/12/70
D. ELECTRONIC CONTROL ARCS RULED AND LOCATION VERIFIED		NOT APPLICABLE	
E. OVERLAYS COMPLETED BY			
1. POSITION NUMBER LEADERS ADDED		ALLAN K. SCHUGELD	3/25/70
2. EXCESS SOUNDING OVERLAY COMPARED		FRED BEAN	11/19/69
3. PRELIMINARY SMOOTH PLOTS COMPARED		FRED BEAN	11/26/69
4. OTHERS UTILIZED			
A.			
B.			
F. DESCRIPTIVE REPORT ADDENDUM		ALLAN K. SCHUGELD	3/26/70
G. CONTROL STATIONS VERIFIED		DAN R. MUNKFORD	8/5/69
H. POSITIONS MANUALLY PLOTTED		DOROTHY CALLAND	9/13/69
I. MANUAL PLOT VERIFIED		FRED BEAN	11/19/69
J. SHORELINE APPLIED		ALLAN K. SCHUGELD	3/16/70
K. BOTTOM CHARACTERISTICS ADDED		ALLAN K. SCHUGELD	3/17/70
L. NOTES AND DEPTH CURVES ADDED		ALLAN K. SCHUGELD	3/24/70

APPENDIX C

Tidal Note

Gage location: Pt. Cadet, Biloxi,
Mississippi.
Lat. 30° 23.38'
Long. 88° 51.45'

Gage type: Portable, pressure
bubbler gage.

Staff: MLW correspondas to 2.5 ft.
on staff during 1968 & 1969
season.

Correction No time & height corrections
were applied.

90th meridian time was used at this tide station.

APPENDIX B

Velocity Correction to echo soundings

	To Depth in feet	Correction in feet
Table 001	4.3	0.0
Launch CS-183	8.1	+0.2
Fath #806	16.0	+0.4
341, 344 &	29.2	+0.6
345 days	50.0	+0.8
Table 0002	50.0	0.0
Sounding Pole		
All days		
Table 0003	.2	0.0
Launch CS-183	23.0	+0.2
Fath #806	50.0	0.0
After 345 day		
Table 0004	50.0	0.0
Skiff CS-758		
Fath #535		
All days		

LIST OF TOPOGRAPHIC AND TRIANGULATION STATIONS USED AS SIGNALS:

NUMBER	T-SHEET	ORIGIN OF STATION	POSITION
001	13034	Triang. SHIP ISLAND LIGHT, 1902	30-12-45.140 88-57-57.843
002	11947	Triang. BRUSH 2, 1966	30-13-21.21 89-04-31.44
003	13036	Triang. SPIT, 1966	30-12-16.77 89-05-33.77
004	11947	Triang. FOOT, 1934	30-14-30.792 89-04-14.712
005	11804	Triang. EDGEWATER GULF HOTEL DOCK FLAGPOLE, 1930	30-23-26.498 89-59-17.416
006	11810	Triang. MARKHAM, 1951	30-22-03.900 89-05-25.929
007	11810	Topo.	30-21-10.398 89-05-33.377
010	11947	Topo.	30-14-57.583 89-04-02.308
035	13036	Topo. 6790	30-10-47.878 89-06-19.921
037	11810	Triang. GULFPORT WEST PIER WATER TANK (U.S.N.), 1943	30-21-29.969 89-05-43.208
040	S of 11813	Topo. 6780	30-17-50.381 89-02-12.313
044	S of 11813	Topo. 6783	30-18-51.793 89-03-05.261
048	S of 11813	Topo. 6784	30-20-02.836 89-04-05.386

Topographic Stations were set in by theodolite from three Triangulation Stations with a three second rejection limit.

APPENDIX (cont.)

037	T-11947		
038	"		
039	T-11946		
040	"		
041	"		
042	"		
043	"		
044	"		
045	"		
046	"		
047	T-11947		
048	"		
049	"		
050	"		
051	"		
052	"		
053	"		
054	"		
055	T-13036	Topo	
056	T-11947		
057	T-11810	Triang.	Gulfport, West Pier Water Tank, 1943-51
060	S of 11813	Topo	(U.S.N.),
*064	"		
*068	"		
127	T-11947		

APPENDIX A

List of signals

<u>Number</u>	<u>T-Sheet</u>	<u>Origin</u>
001	T-13032	Triang. Ship Island Light, 1902-55
002	T-11947	Triang. Brush 2, 1966
003	T-13036	Triang. Spit, 1966
004	T-11947	Triang. Toot, 1934-55 <i>Lith. pg. 53</i>
005	T-11804	Triang. Edgewater Gulf Hotel, Dome, Flagpole, 1930-43
006	T-11810	Triang. Markham, 1951
007	"	Topo
008	T-11809	
009	T-11813	
010	T-11947	Topo
011	"	
012	"	
013	"	
014	"	
015	"	
016	"	
017	"	
018	"	
019	"	
020	"	
021	"	
022	"	
023	T-13036	
024	"	
025	"	
026	"	
027	"	
028	T-11947	
029	"	
030	"	
031	"	
032	"	
033	"	
034	"	
035	"	
036	"	

above, deposition of spoil from dredging of Gulfport Channel, and scouring in the natural channel south of Cat Island. In most offlying areas there has been only minor changes since the 1917 survey.

The present surveys is adequate to supersede the prior surveys in the common area.

7. Comparison with Charts

Chart 876-SC, 1:40,000 (latest print date September 2, 1972, 8th Ed.)
 Chart 1267, 1:80,000 (latest print date December 23, 1972, 18th Ed.)
 Chart 1268, 1:80,000 (latest print date December 30, 1972, 15th Ed.)

A. Hydrography

The charted hydrography originates with the previously discussed surveys which require no further consideration, supplemented by information from the boat sheet of the present survey and Bp-81127, showing post hurricane Camille soundings. Information charted from this blueprint, which is subsequent to the date of the survey, includes several shoal soundings, low-water-line revisions, and snags which supersede the present survey information and should be retained on the chart.

Attention is called to the wrecks charted as follows:

1. The submerged wreck ED charted in lat. $30^{\circ}11.27'$, long. $89^{\circ}05.96'$ from T-3701 (1916-17) is considered disproved by the present survey and should be deleted from the chart. *876-Appd. SM 1/18/74*
2. The submerged wreck ED charted in lat. $30^{\circ}16.11'$, long. $89^{\circ}05.25'$ from N. to M. 21 of 1964 is not considered disproved *SM 1/18/74* by the present survey. It should be retained as charted pending future wire-drag investigation. *876-No Contr.*
3. The submerged wreck ED charted in lat. $30^{\circ}10.50'$, long. $89^{\circ}07.00'$ from N. N. to M. 39 of 1963 is not considered *SM 1/18/74* disproved by the present survey and should be retained as charted pending future wire-drag investigation of adequate extent. *876-No Contr.*

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

3. Hydrography

- A. Depths at crossings are in very good agreement.
- B. The usual depth curves were adequately delineated. A three-foot depth curve has been added to delineate the bottom better.
- C. The development of the bottom configuration and the investigation of least depths are considered adequate.

4. Condition of the Survey

The field work, sounding records, smooth plotting, and Descriptive Report are adequate and conform to the requirements of the Hydrographic Manual. The records, however, did not have the proper stamps appropriately filled out in all instances.

5. Junctions

An adequate junction was effected with H-8925 (1967) to the north. Junctions with H-8971 (1968) to the east, H-8970 (1968) to the northwest, and H-9028 (1969)⁷⁰¹⁷¹ to the west will be considered in the reviews of those surveys. No contemporary survey junction with the present survey on the south. Here, however, present depths are in general harmony with charted depths.

6. Comparison with Prior Surveys

H-4000 (1917) 1:40,000
 H-488 (1855) 1:20,000
 H-194 (1848) 1:20,000

A comparison between the prior and present depths reveals changes in the shoreline and bottom. The shoreline of Cat Island has changed significantly particularly at the eastern end since the earliest surveys. General recession of about 50 meters had occurred between 1848 and 1917, and of about 100 meters between 1917 and the present survey. The peninsula at the southeast end of the island receded in a northeasterly direction about .8 mile between 1848 and 1917 and about .4 mile between 1917 and the present survey, and the extensive spit has migrated as much as 500 meters in a northwesterly direction over that entire time span. Depths on the 1917 survey were generally 1-2 feet deeper than the prior survey depths. Those on the present survey indicate random shoaling of as much as 8 feet and deepening of as much as 4 feet attributed to deposition of material and the erosion described

OFFICE OF MARINE SURVEYS AND MAPS

MARINE CHART DIVISION

HYDROGRAPHIC SURVEY REVIEW

REGISTRY NO. H-9004

FIELD NO. HFP-742-20-2-68

Mississippi, Mississippi Sound, Vicinity of Cat Island

SURVEYED: December 6, 1968 through April 22, 1969

SCALE: 1:20,000

PROJECT NO.: OPR-468

SOUNDINGS: D-723 Depth Recorder, Pole, and Handlead

CONTROL: Sextant fixes

Chief of Party	J. D. Boon, III
Surveyed by	F. R. Gilden, Jr.
Protracted by	Gerber Digital Plotter
Soundings plotted by	Gerber Digital Plotter
Verified and inked by	A. K. Schugeld
Reviewed by	R. W. DerKazarian
.....	Date: June 15, 1973
Inspected by	D. R. Engle

1. Description of the Area

This is an offshore survey in Mississippi Sound, south of Gulfport, Mississippi, which almost completely surrounds Cat Island.

The bottom is generally flat or gently sloping except for the spits extending off Cat Island and the short sections of channels in the northeast and southwest portions of the survey.

The predominant characteristics of the bottom are silt and clay.

2. Shoreline and Control

The origin of control is adequately discussed in Part F of the Descriptive Report.

The shoreline originates with reviewed photogrammetric manuscripts T-11809, 11810, (1966-68), T-11813 (1966-67), and T-11946, T-11947, T-13032, T-13036 (1966-68).

FORM C&GS-946
(REV. 11-65)
(PRESC. BY
HYDROGRAPHIC
MANUAL 20-2,
6-94, 7-13)

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

HYDROGRAPHIC SURVEY STATISTICS
HYDROGRAPHIC SURVEY NO. H-9004

RECORDS ACCOMPANYING SURVEY: To be completed when survey is registered.

RECORD DESCRIPTION		AMOUNT	RECORD DESCRIPTION		AMOUNT	
SMOOTH SHEET & Pos. Overlay		1	BOAT SHEETS		1	
DESCRIPTIVE REPORT		1	OVERLAYS		5	
DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS
ENVELOPES	1					
CAHIERS	1					
VOLUMES	11					
BOXES			2			

T-SHEET PRINTS (LIST)

SPECIAL REPORTS (LIST)

OFFICE PROCESSING ACTIVITIES

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

PROCESSING ACTIVITY	AMOUNTS			
	PRE-VERIFICATION	VERIFICATION	REVIEW	TOTALS
POSITIONS ON SHEET				2254
POSITIONS CHECKED		209	18	
POSITIONS REVISED		134	0	
DEPTH SOUNDINGS REVISED			3	
DEPTH SOUNDINGS ERRONEOUSLY SPACED				
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED				
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS		12 hrs.	5	
JUNCTIONS				
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS		8 hrs.	4	
SPECIAL ADJUSTMENTS				
ALL OTHER WORK		193 hrs	111	
TOTALS		213	120 hrs	

PRE-VERIFICATION BY <i>Fred Bean</i>	BEGINNING DATE	ENDING DATE
VERIFICATION BY <i>Allan K. Schugard</i>	BEGINNING DATE <i>5 August 1969</i>	ENDING DATE <i>26 March 1970</i>
REVIEW BY <i>Robert W. Derkazarian</i>	BEGINNING DATE <i>10 MAY 1973</i>	ENDING DATE <i>15 June 1973</i>
<i>Inspected D. R. Engle</i>	<i>32 hrs</i>	<i>Carstenz & Co</i>

TIDE NOTE FOR HYDROGRAPHIC SHEET

June 6, 1969

SURVEY H-9004

~~Naval Chart Division~~: Hydrographic Field Party 742

Plane of reference approved to
~~XXXXXX for~~ 7 Form 8502

HYDROGRAPHIC SHEET

Locality: Biloxi, Mississippi

~~Chief of Party~~ Year: 1968-9

Plane of reference is mean low water

Tide Station Used (Form C&GS-681):

Point Cadet
Biloxi, Mississippi

Height of Mean High Water above Plane of Reference is as follows:

1.7 feet

Remarks


Chief, Tides and Currents Branch

GEOGRAPHIC NAMES

Survey No. H-9004

Name on Survey											
	A	B	C	D	E	F	G	H	K		
Cat Island											1
Gulfport											2
Gulfport channel											3
Little Bay											4
Little Bend											5
Middle Spit											6
North Point											7
Raccoon Spit											8
South Spit											9
Spit Cove											10
Cat Island Channel											11
Good Scotch Point											12
Mississippi Sound											13
North Bank											14
Phoenix Spit											15
Raccoon Swash											16
Ship Island											17
Smugglers Cove											18
South Bayou											19
Spade Fish Shoal											20
West Bank											21
North Bayou											22
											23
											24
											25
											26
											27

PREPARED BY

Joseph W. Pickett
CARTOGRAPHIC TECHNICIAN

APPROVED BY

A. Joseph Wright
CHIEF GEOGRAPHER

30' 20' 10' 89° 50'

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see C. & G. S. Chart No. 1):

Lights: F. fixed, FL flashing, Qk. quick, I. Qk. interrupted quick, S-L short-long, Occ. occulting, Alt. alternating, Gp. group, W. white, R. red, G. green, m. nautical miles, min. minutes, sec. seconds, ev. every, D. destroyed, to be reestablished; vis. visible; SEC. sector; OBSC. obscured; AERO. aeronautical light. Lights are white unless otherwise indicated.

Buoys: C. can, N. nun, S. spar, REF. reflector; T.B. temporary buoy. Day Beacons: Δ, white unless otherwise indicated.

R. Bn. radiobeacon.

C.G. Coast Guard Station; R. Tr. radio tower; D.F.S. distance finding station.

Cl. clay, Co. coral, G. gravel, Grs. grass, M. mud, Rh. rock, S. sand, Sh. shells, bk. black, br. brown, bu. blue, gy. gray, gn. green, rd. red, wh. white, yl. yellow, hrd. hard, rky. rocky, sft. soft, stk. sticky.

(23) Wreck, rock or obstruction swept clear to the depth indicated. (2) Rocks that cover and uncover, with heights in feet above datum or soundings. P.D. position doubtful; E.D. existence doubtful; Obstr. obstruction.

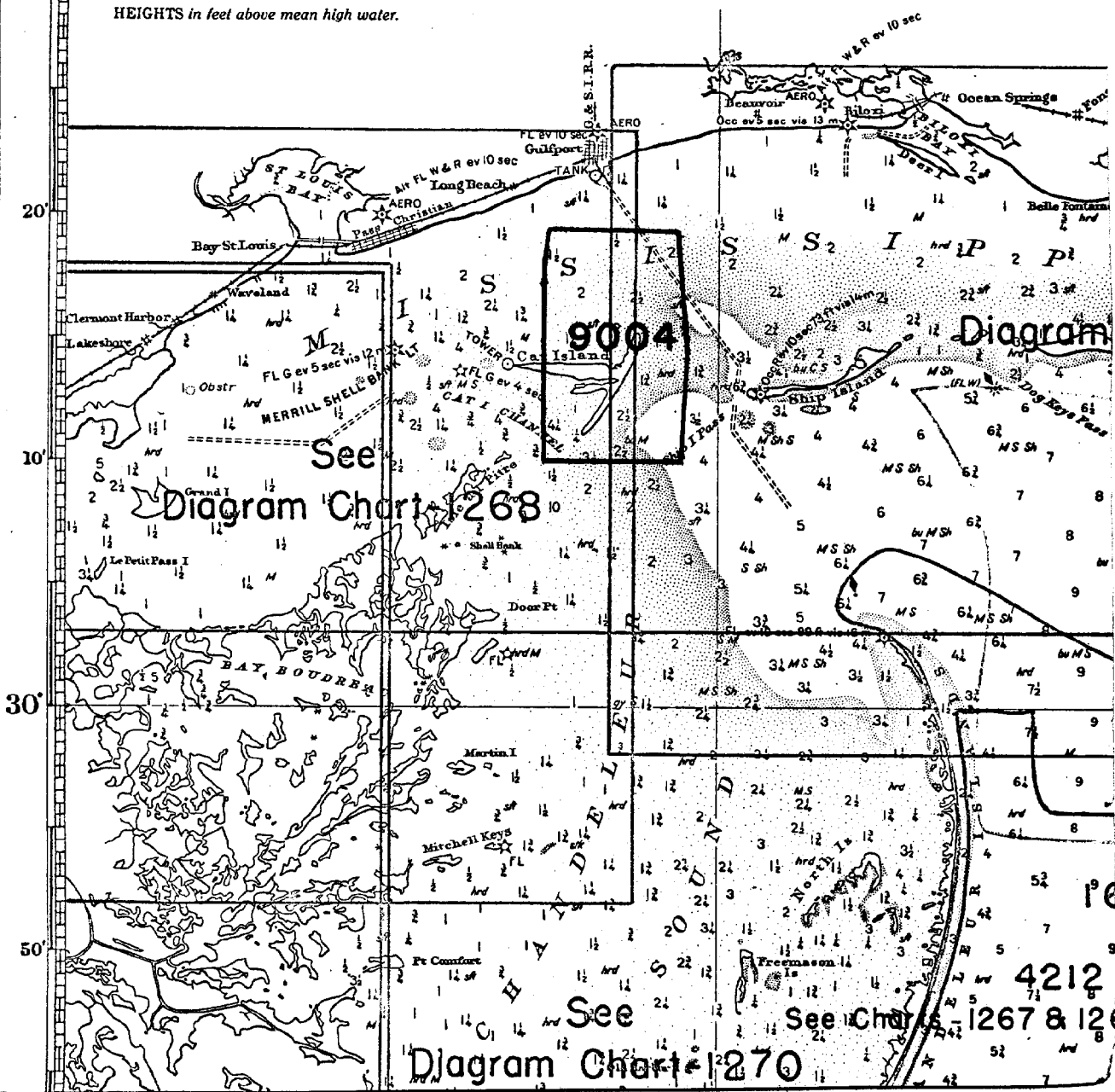
HEIGHTS in feet above mean high water.

STORM WARNINGS

The U. S. Weather Bureau display. Mobile Point Southwest Pass

For a complete list of storm warnin, see large scale charts.

For schedule of op Sta Cape San Blas Ligh Mobile Point (Rang South Pass West Jet Southwest Pass Eas



See Diagram Chart 268

See Diagram Chart 270

Diagram

4212

See Charts 1267 & 1268

REGISTRY NO. _____

The Computer and Excess Sounding Cards for this survey have not been corrected to reflect the changes made to the Computer Card and Excess Card Printouts at this time of the review.

When the cards have been updated to reflect the final results of the survey, the following shall be completed:

CARDS CORRECTED

DATE _____ TIME REQUIRED _____ INITIALS _____

REMARKS:

REGISTRY NO. 9004

The magnetic tape containing the data for this survey has not been corrected to reflect the changes made during evaluation and review.

When the magnetic tape has been updated to reflect the final results of the survey, the following shall be completed:

MAGNETIC TAPE CORRECTED

DATE 9-23-82 TIME REQUIRED _____ INITIALS JAC

REMARKS:

H-9004

Items for Future Presurvey Review

Three reported wrecks in the area of this survey are not considered disproved and should be scheduled for future wire drag for final disposition. See review par. 7A (2) & (3) for discussion of two of these wrecks. The third wreck (not charted) was reported by Chart Letter 185 of 1966 to be the wreck of the cabin cruiser JEWELL W in lat. $30^{\circ}10.09'$, long. $89^{\circ}04.12'$, a second reported position for the same wreck discussed in review par. 7A (3).

Resurvey Cycle Information

Position index - lat. 301, long. 0891

Bottom change - 5

Use index - 2

Resurvey cycle - 25 yrs.

B. Topography

The charted shoreline reflects the condition after hurricane Camille of 1969, in accordance with Bp 76974, and supersedes the shoreline of the present survey.

C. Controlling Depths

The charted controlling depth notes of the Gulfport Channel are based on data furnished by the U.S. Corps of Engineers subsequent to the date of the present survey. These supersede the present survey for charting the controlling depths.

D. Aids to Navigation

The charted positions of the aids to navigation adequately mark the features for which they were intended.


8. Compliance with Project Instructions

This survey adequately complies with the project instructions.

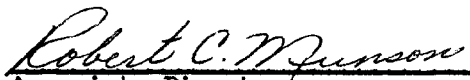
9. Additional Field Work

This survey is considered to be a very good basic survey and no additional field work is recommended.

Examined and Approved:



Chief
Marine Chart Division



Associate Director
Office of Marine Surveys and Maps