

Original

11809

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<p>Form 504</p> <p>U. S. DEPARTMENT OF COMMERCE</p> <p>COAST AND GEODETIC SURVEY</p> <p>DESCRIPTIVE REPORT</p>	
<p>Type of Survey <u>SHORELINE (Photogrammetric)</u></p>	
<p>Field No.</p>	<p>Office No. <u>T-11809</u></p>
<p>LOCALITY</p>	
<p>State <u>Mississippi</u></p>	
<p>General locality <u>Mississippi Sound</u></p>	
<p>Locality <u>Long Beach</u></p>	
<p><u>19 66 - 68</u></p>	
<p>CHIEF OF PARTY</p>	
<p><u>J. Bull, Director, Atlantic Marine Center</u></p>	
<p>LIBRARY & ARCHIVES</p>	
<p>DATE</p>	

USCOMM-DC 5087

11809

DESCRIPTIVE REPORT - DATA RECORD
T-11809

PROJECT NO. (II): PH-6625			
FIELD OFFICE (II):		CHIEF OF PARTY	
PHOTOGRAMMETRIC OFFICE (III): Atlantic Marine Center		OFFICER-IN-CHARGE J. Bull, CAPT Director, Atlantic Marine Center	
INSTRUCTIONS DATED (II) (III): <i>Field: Dec. 1965</i> <i>" Suppl. #1: Mar. 11, 1966</i> <i>Aero triangulation: Mar. 1, 1966</i> April 27, 1966 (Office) <i>Field - Photo-Hydro & Edit: Sept. 27, 1967</i>			
METHOD OF COMPILATION (III): Kelsh			
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:6,000 pantographed to 1:10,000	
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):	
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):	
GEOGRAPHIC DATUM (III): N. A. 1927		VERTICAL DATUM (III): MHW XXXXXXXXXX EXCEPT AS FOLLOWS: Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum i.e., mean low water or mean lower low water	
REFERENCE STATION (III): GULFPORT 1930 (on T-11810, none recovered on this map)			
LAT.: 30°21'39.424" (1214.0m)	LONG.: 89° 06'34.130" (911.4m)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED	
PLANE COORDINATES (IV): = 252,590.63 ft. x = 412,903.73 ft.		STATE: Mississippi	ZONE: East
ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE. WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.			

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): None		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo compilation Date of Photography 27 January 1966		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE 5/5/66
PROJECTION AND GRIDS CHECKED BY (IV): R. Glaser		DATE 5/11/66
CONTROL PLOTTED BY (III): J. Place		DATE 7/7/66
CONTROL CHECKED BY (III): L. Graves		DATE 7/8/66
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): P. Hawkins (WSC)		DATE April 1966 No Date
STEREOSCOPIC INSTRUMENT COMPILATION (III): Kelsh	PLANIMETRY J. S. Place	DATE
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): J. S. Place		DATE 8/12/66
SCRIBING BY (III): F. Mangiotta		DATE June 1968
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): RE. Smith (Field Edit Application) C. H. Bishop (Compilation) " (Scribing)		DATE May 1968 " " 9/22/66
REMARKS: Field Edit by W.R. Cameron in March 1967 & May 1968		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

"S" Camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	*STAGE OF TIDE
66-S-1820 thru 1822	Jan.27, 1966	8:53	1:30,000	0.0 ft. MLW
66-S-1881 thru 1885	Jan.27, 1966	9:48	1:15,000	0.0 ft. MLW

* Predicted

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	MEAN RANGE
REFERENCE STATION: Pensacola, Florida			1.3
COORDINATE STATION: CAT ISLAND (WEST POINT)			1.7
SUBORDINATE STATION:			

Atlantic Marine Center
WASHINGTON OFFICE REVIEW BY (IV):

M.M. SLAVNEY

DATE:

Aug. 1968

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):

None

RECOVERED:

0

IDENTIFIED:

0

NUMBER OF BM(S) SEARCHED FOR (II):

-

RECOVERED:

-

IDENTIFIED:

-

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

-

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

-

REMARKS:

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation Complete pending Field Edit	September 1966	Superseded
Field Edit applied Compilation complete	June, 1967	Superseded
Additional Field Edit Applied	May, 1968	<i>Superseded</i>
<i>Revised during final review</i>	<i>Aug. 1968</i>	

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11809

Shoreline manuscript T-11809 is one of the eighteen 1:10,000 scale maps that comprise Ph-6625. These maps are for Mississippi Sound, from Bay St. Louis through Gulfport and Biloxi to Belle Fontaine Point; and the offshore area of Cat Island through Ship Island and includes the west end of Horn Island. The sketch on page 5 of this report shows the position of T-11809 in Ph-6625.

This is a stereo-instrument job in advance of hydrographic surveys of the area. The only field work preceding compilation was that pertaining to control identification, and pre-marking of control stations before photography. The stereoplanigraph bridge was run in the Washington Office with 1:30,000 scale panchromatic photography taken January 27, 1966 with the "S" camera. Compilation was primarily by Kelsh Plotter with the same photographs used for bridging. Ratio prints at 1:10,000 scale was processed and furnished for hydro support.

Additional photographic coverage along the shoreline was provided with 1:15,000 scale panchromatic "S" photographs, of January 27, 1966, enlarged to 1:10,000 for hydro support; these were fixed graphically and the centers are on the map. Color photographs at 1:20,000 scale of January 27, 1966 were provided for use in the offshore areas, particularly in the ship channels. The centers of these photographs are not on the map.

The map was field edited in March 1967 and some additional field edit was done in February 1968. Field edit was done on two ozalids; two cronaflex positives, and on various photographs. The map was scribed and stuck-up after applying the field edit.

Final review was done at the Atlantic Marine Center during August 1968.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude and longitude. The smooth manuscript is on cronaflex for registry and record after final review.

FIELD INSPECTION REPORT
T-11809

There was no field inspection before compilation of this map manuscript.

PHOTOGRAMMETRIC PLOT REPORT
Job PH-6625
Mississippi Sound, Mississippi

Part I

21. Area Covered

Part I includes the mainland shore areas and the close, off-shore islands of Mississippi Sound. T-sheets 11803 through 11810 and 11813 through 11815 are included in this report.

22. Method

Three strips of photography were bridged on the stereoplanigraph and adjusted by IBM 1620 methods. All strips were joined by common control stations and/or tie points. All tie points between strips were averaged.

Strip #1 consisted of photographs 66-S-1849 through 1856. This strip was adjusted using five control stations with one additional station as a check.

Strip #2 consisted of photographs 66-S-1809 through 1827. This strip was adjusted using six control stations with fourteen additional stations as checks.

Strip #3 consisted of photographs 66-S-1830 through 1842. This strip was adjusted on four stations with six additional stations as checks.

23. Adequacy of Control

Control was adequate and complied with project instructions. The following stations could not be held during bridging operations.

#1. Bridge, 1935 (S.S.A.) This premarked station was observed in all strips but could not be held in the adjustment of bridges #2 and #3 by 15 to 20 feet. The station held within six feet in Strip #1, but this error was still large for a premarked station. No reasons could be determined for this error. It is possible the target could have been disturbed before photography since the station was in an area easily accessible to the public.

9.

#2. Several office identified control stations were on the limits of standard map accuracy; however, due to the number of stations holding well within the limits, these stations were disregarded as having errors in office identification.

24. Supplemental Data

Local GS Quads were used for basic leveling during bridging operations.

25. Photography

Photography was adequate as to coverage, quality and definition.

Submitted by:

Paul Hawkins
Paul Hawkins

Approved by:

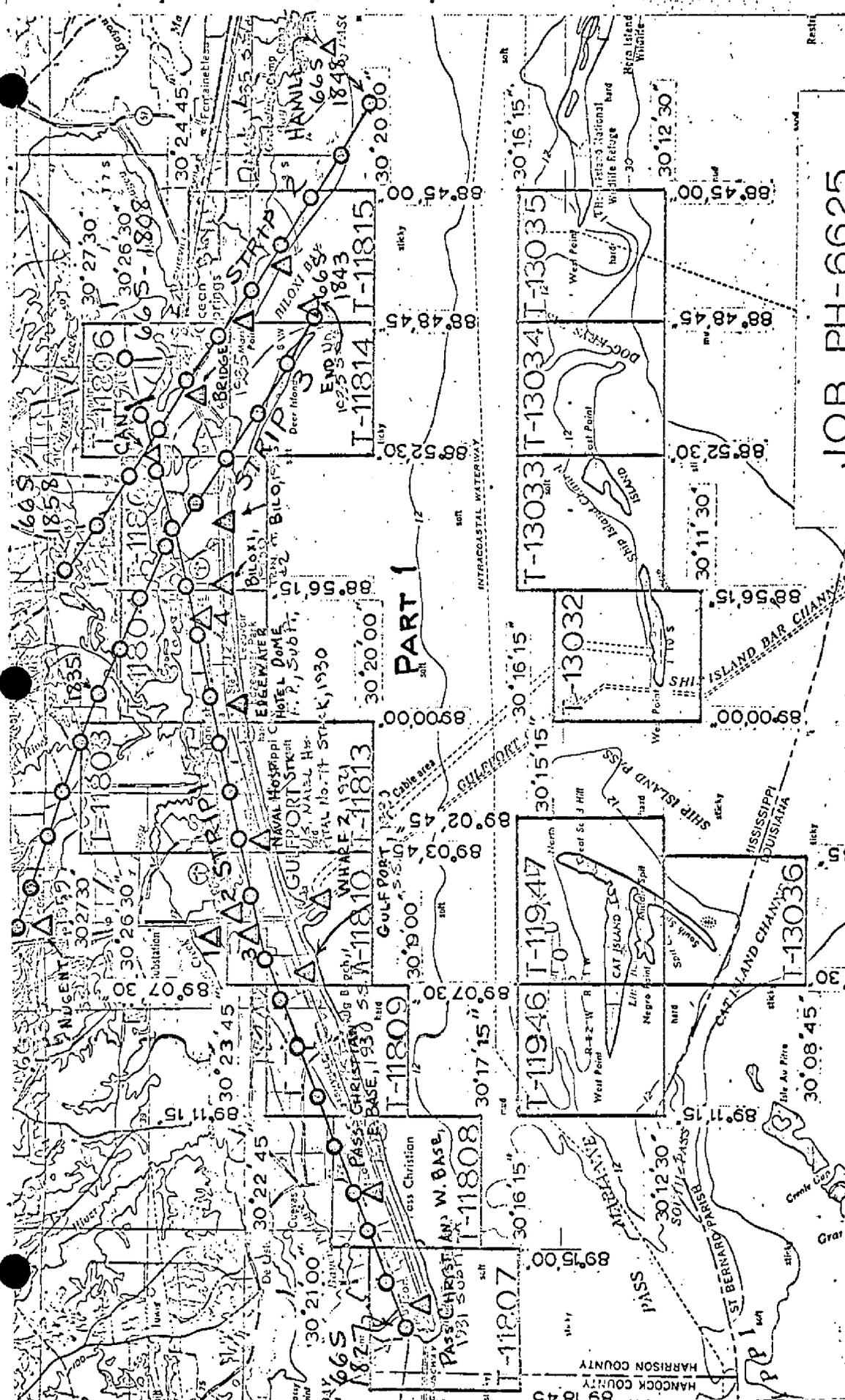
John D. Perrow Jr.
John D. Perrow, Jr.

NOTES TO COMPILER
Job PH-6625
Mississippi Sound, Mississippi

Part I

Attempts to extend Bridge #3 to include plate 66-S-1843 met with repeated, poor results due to the small land area available for clearing the stereomodel. This area must be compiled by graphic methods. Ratio prints (scale 1:10,000) for this area as well as the entire project will be provided to the Compilation Office.

Part II of this project will follow as soon as control is provided for the area.



JOB PH-6625
 MISSISSIPPI SOUND
 MISS.
 SHORELINE MAPPING
 1:10,000 SCALE

- KEY TO NUMBERED STATIONS
- 1- DAVIS GULFPORT FERTILIZER TANK, 1930
 - 2- PHILIPS MILK OF MAGNESIA TANK, 1958
 - 3- WOLCOTT CAMPBELL COTTON MILL TANK, 1930
 - 4- VETERANS HOME TANK, 1935

PART 1

66

COMPILATION REPORT
T-11809

~~The Photogrammetric Plot Report has been submitted with T-11803.~~

31. DELINEATION

The Kelsh plotter was used. The landmarks and piling were located graphically from the ratio photographs.

There was no field inspection.

Photography was satisfactory.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage is inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

Shallow limit was delineated from office interpretation of the photographs. No low water line was shown.

36. OFFSHORE DETAILS

Offshore details were delineated from the offshore ratio photographs.

37. LANDMARKS AND AIDS

Appropriate copies of Form 567 for Landmarks and Aids to Navigation were forwarded to the Washington Office under date June, 1967.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions are in agreement with T-11808 to the west and T-11810 to the east. Mississippi Sound is to the south and there is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS Quadrangle PASS CHRISTIAN, MISS., scale 1:24,000 dated 1955.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with Chart 876-SC, scale 1:40,000 revised February 26, 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted:

*J. S. Place*J. S. Place
Cartographer

Approved and forwarded:

For *J. Bull*
J. Bull, CAPT, USESSA
Director, Atlantic Marine Center

May 22, 1968

GEOGRAPHIC NAMES
FINAL NAME SHEET
PH-6625 (Mississippi Sound, Miss.)
T-11809

Gulfport
Long Beach
Mississippi Sound
Pitcher Point

Approved by:

A. Joseph Wright
A. Joseph Wright
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

T-11809

49. NOTES FOR THE HYDROGRAPHER

If a shallow area is shown that does not exist, this fact should be noted on the field edit ozalid.

Refer to notes on field edit ozalid.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10968 11809

1. PROJECTION AND GRIDS CHB		2. TITLE CHB		3. MANUSCRIPT NUMBERS CHB		4. MANUSCRIPT SIZE CHB	
CONTROL STATIONS							
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY XX				6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) XX		7. PHOTO HYDRO STATIONS XX	
8. BENCH MARKS XX		9. PLOTTING OF SEXTANT FIXES XX		10. PHOTOGRAMMETRIC PLOT REPORT Bridge - W. O.		11. DETAIL POINTS XX	
ALONGSHORE AREAS (Nautical Chart Data)							
12. SHORELINE CHB		13. LOW-WATER LINE XX		14. ROCKS, SHOALS, ETC. CHB		15. BRIDGES XX	
16. AIDS TO NAVIGATION XX		17. LANDMARKS CHB		18. OTHER ALONGSHORE PHYSICAL FEATURES CHB		19. OTHER ALONGSHORE CULTURAL FEATURES CHB	
PHYSICAL FEATURES							
20. WATER FEATURES CHB				21. NATURAL GROUND COVER XX		22. PLANETABLE CONTOURS XX	
23. STEREOSCOPIC INSTRUMENT CONTOURS XX		24. CONTOURS IN GENERAL XX		25. SPOT ELEVATIONS XX		26. OTHER PHYSICAL FEATURES XX	
CULTURAL FEATURES							
27. ROADS CHB		28. BUILDINGS CHB		29. RAILROADS XX		30. OTHER CULTURAL FEATURES CHB	
BOUNDARIES							
31. BOUNDARY LINES XX				32. PUBLIC LAND LINES XX			
MISCELLANEOUS							
33. GEOGRAPHIC NAMES CHB			34. JUNCTIONS CHB			35. LEGIBILITY OF THE MANUSCRIPT CHB	
36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT CHB		38. FIELD INSPECTION PHOTOGRAPHS XX		39. FORMS CHB	
40. REVIEWER CHB Charles H. Bishop				SUPERVISOR, REVIEW SECTION OR UNIT ACR Albert C. Rauck, Jr.			
41. REMARKS (See attached sheet)							
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT							
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.							
COMPILED BY Edward D. Margulies				SUPERVISOR Albert C. Rauck, Jr.			
43. REMARKS Field Edit was applied from cronaflex positive and Field Ratio photographs Nos. 66-S-1820, 66-S-1881, 66-S-1883, and 66-S-1885. Additional Field Edit applied from second Field Edit cronaflex positive.							

FIELD EDIT REPORT

SHEET T-11809

JOB PH-6625

MARCH 1967

Respectfully submitted,

William R. Cameron
ENS, USESSA
Chief, Photo Party 61

51 Methods

All field edit work was done in accordance with project instructions and photo instructions. Certain shoreline and offshore features were located by planetable methods and are shown on a cronaflex positive of this manuscript.

An inspection of alongshore features such as piers, groins, etc. was made and additions and corrections are shown on field ratio prints and a cronaflex copy of the manuscript.

All landmarks and fixed aids to navigation were located or verified and a Form 567 was submitted.

All field edit notes concerning this manuscript are shown on the field edit ozalid. This ozalid is an index and inventory of all corrections and additions to be applied to the map manuscript. All notes on the field ratio prints are in violet ink.

52 Adequacy of Compilation

Compilation of this manuscript was adequate and complete considering there was no field inspection of the area prior to compilation.

54 Recommendations

None.

56 Additional Information

Field edit information concerning this manuscript appears on the following field ratio prints:

- 66S1820
- 66S1881
- 66S1883
- 66S1885.

The piles along the sand beach facing Mississippi Sound mark the extent of a man-made beach and are a warning to swimmers of deep water. The location of each pile was found by planetable cuts and is shown on a cronaflex positive of this manuscript.

The area near the jetties at Long Beach is subject to change at this time as construction of a new yacht basin is underway. "As-built" drawings of the basin have been requested and will be sent to the New Orleans Field Office by the contractor.

56 Additional Information (cont.)

The sand beach facing Mississippi Sound is man-made and is subject to frequent change due to maintenance of it. The shoreline delineated on the manuscript is representative of the MHWL and should be charted as shown.

The note to verify shallow areas on the manuscript is not applicable.

REVIEW REPORT T-11809
SHORELINE
AUGUST 1968

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

The yacht basin near latitude $30^{\circ} 20.7'$, longitude $89^{\circ} 09.6'$, and the piling across T-11809 are from the field edit.

An ozalid Comparison Print (pages 26 through 28), which shows the differences noted in Items 62, 64, and 65, is included with the original copy of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

T-9380 N/2; 1:10,000; Field edited in January 1955.

(a) The shoreline differences are probably the result of this artificial nature of the beach, and its maintenance.

(b) The height and elevation for SPIRE 1967 (page 28) at latitude $30^{\circ} 20.96'$, longitude $89^{\circ} 08.25'$ is 94 (109) on T-9380 against 100 (120) on this map. The other landmark on T-11809, STACK 1967 differs only by 1 ft. in elevation from that on T-9380.

(c) There are some new piers, and the prominent new yacht basin near longitude $89^{\circ} 08.5'$ (page 28), and some old piers now in ruins.

(d) T-9380 shows a pier at longitude $89^{\circ} 09.13'$ (page 27), that is not on T-11809. No sign of it is visible on any of the photographs, and no note was taken of it by the field editor.

(e) T-9380 shows 5 scattered piles near latitude $30^{\circ} 20.3'$, longitude $89^{\circ} 09.6'$ (page 27), and 4 scattered piles near latitude $30^{\circ} 20'$, longitude $89^{\circ} 10.3'$ (page 26) which are not on T-11809. Other individual piling not on T-11809 are noted on pages 26 and 27. They are not visible on the photographs; and the field editor, who located the other piling on this map by plane-table, made no note of them.

(f) Pages 27 and 28 of the Comparison Print show several groups of piling not on T-9380.

T-11809 supersedes the previously registered surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

U.S.G.S. quad. PASS CHRISTIAN, MISS.; 1:24,000; Field check in 1955.

The quadrangle is a reduction of Registered Survey T-9380, see Item 62, and the same differences apply.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

BOAT SHEET H-8925 (HFP 742 10-1-67); 1:10,000; 1967.

BOAT SHEET H-8970 (HFP 742 10-1-68); 1:10,000; 1968.

The boat sheet differences are on the Comparison Print in green.

(a) Neither boat sheet notes the privately maintained light near latitude $30^{\circ} 20.8'$, longitude $89^{\circ} 08'$ (page 28).

(b) Boat Sheet H-8970 shows a slightly different size and shape for the breakwater near latitude $30^{\circ} 20.6'$, longitude $89^{\circ} 08.6'$ (page). This area was under construction when the field editor did his work in Feb. 1968, and the boat sheet may reflect a later stage of construction.

(c) Boat Sheet H-8970 does not show three piles close inshore and perpendicular to the shoreline near longitude $89^{\circ} 11.25'$ (page 26).

65. COMPARISON WITH NAUTICAL CHARTS:

CHART 876 SC; 1:40,000 Jan. 1968, corrected to Notice to Mariners #41 of Oct. 14, 1967.

The chart differences with T-11809 are shown on the Comparison Print in red.

With the exception of the boat basin at latitude $30^{\circ} 20.7'$, longitude $89^{\circ} 08.5'$ (page 28), Registered Survey T-9380 is obviously the source of planimetry for the chart, and the same differences exist; see Item 62.

This map shows several buildings whose landmark value for nautical charts seems questionable, because they don't appear to be prominent enough to be easily identifiable from offshore; plus the trees surrounding some of them make their value questionable. However, the field editor, noted that "buildings not of landmark value are crosshatched in green ink", but did not crosshatch or strike off any of the buildings on the field edit prints, which were from the Incomplete Manuscript.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with the job instructions, Bureau requirements and the National Standards for Map Accuracy. No accuracy tests were run in the field.

Approved by:

W. Stark
For Director, Atlantic Marine Center

M. M. Slavney
M. M. Slavney
Final Review

Approved by:

Charles Green
Chief, Photogrammetric Branch *CG*

Richard B. Houlston
Chief, Photogrammetry Division

Chief, Nautical Chart Division

NOTES TO REVIEWER

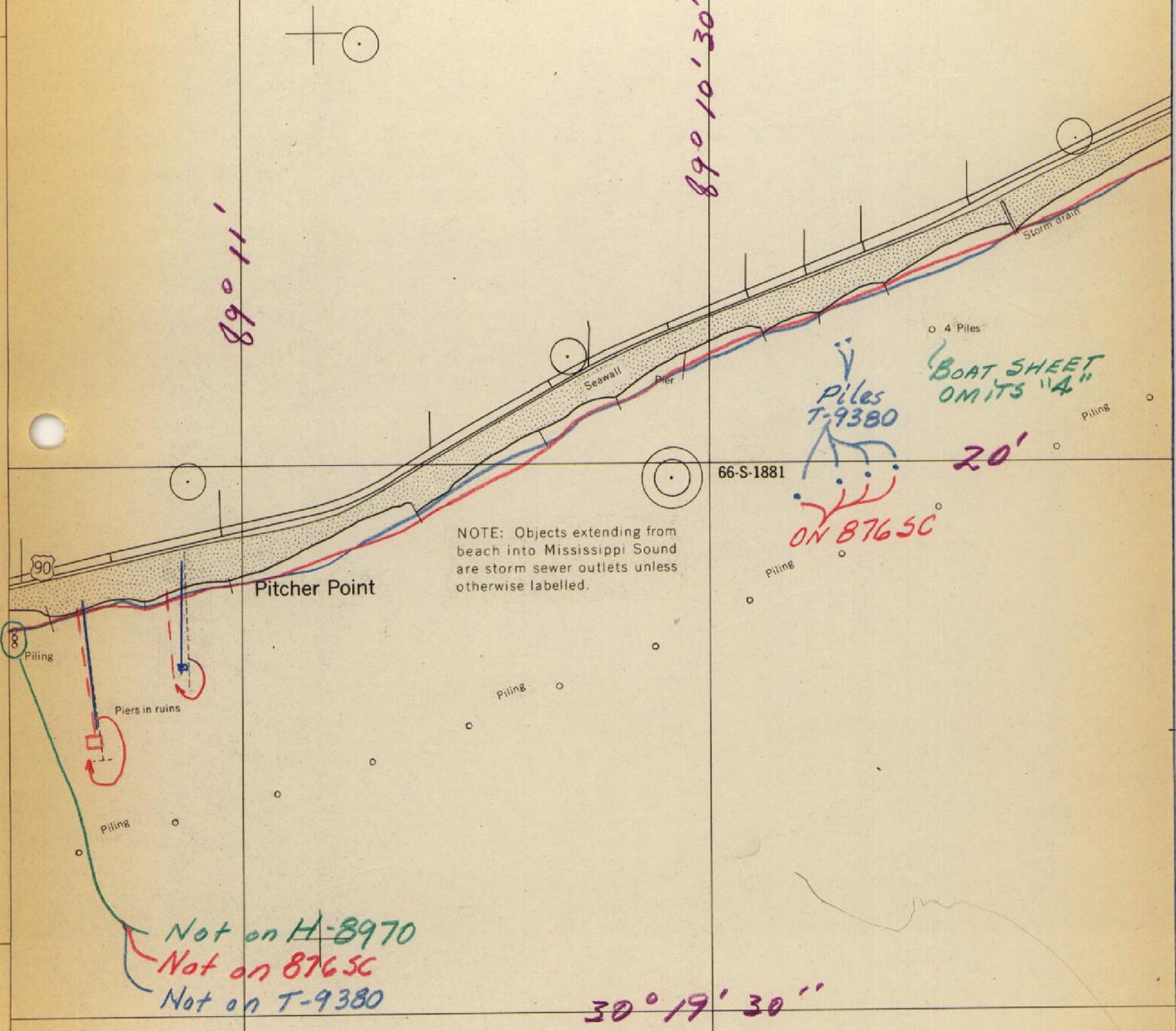
T-11809, PH-6625

BOAT SHEETS H-8925 (HFP 742 10-1-67) and H-8970 (HFP 742 10-1-68)

Please note Items 62, 64, and 65; particularly paragraphs (b) and (c) of Item 64.

89° 11'

89° 10' 30"



NOTE: Objects extending from beach into Mississippi Sound are storm sewer outlets unless otherwise labelled.

Piles T-9380

BOAT SHEET OMITS "A"

20'

ON 8765C

Not on H-8970
Not on 8765C
Not on T-9380

30° 19' 30"

66-S-1881

90

Pitcher Point

Seawall

Pier

Storm drain

4 Piles

Piling

Piling

Piling

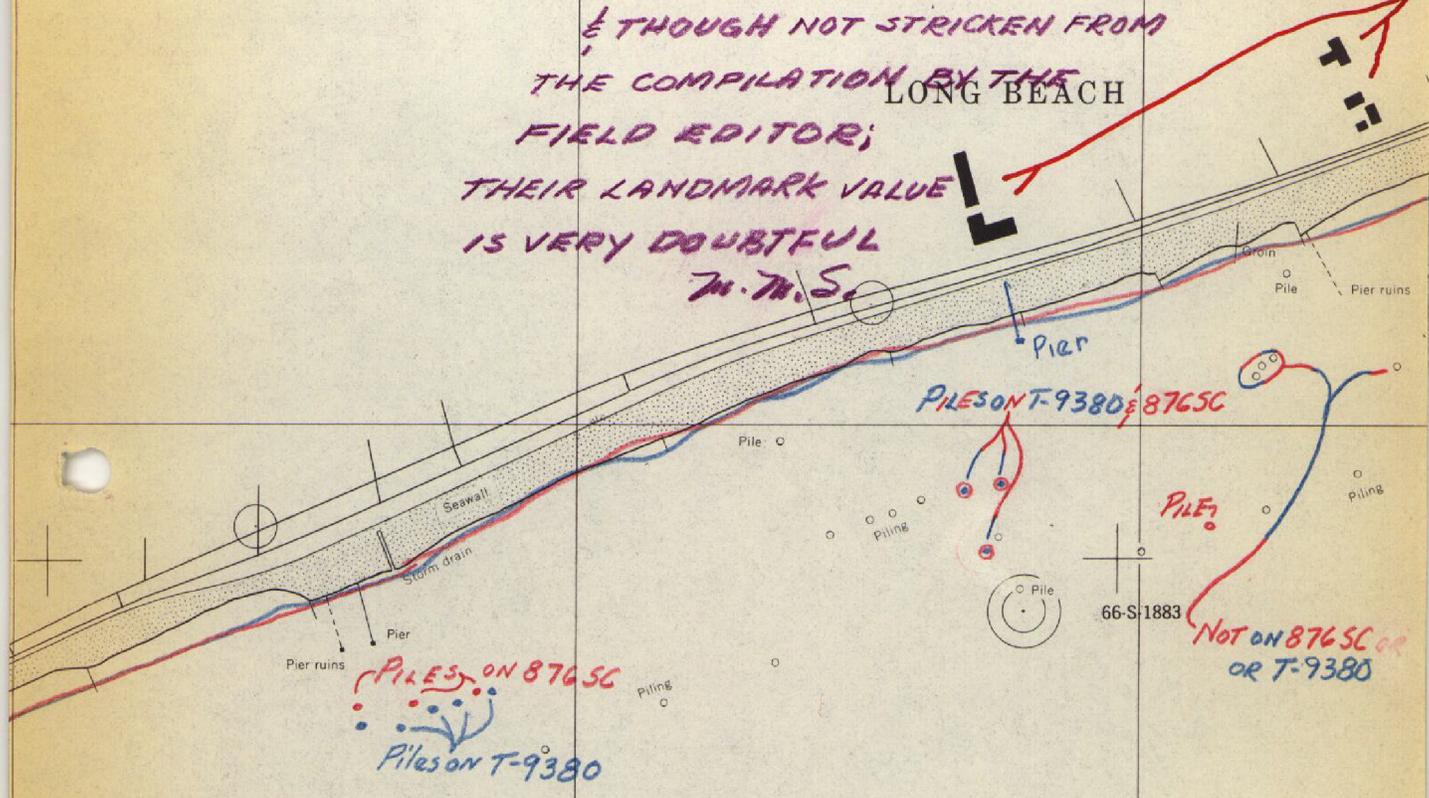
Piling

Piers in ruins

Piling

30° 21'

NONE OF THESE BUILDING ARE ON CHART 8765C
 & THOUGH NOT STRICKEN FROM
 THE COMPILATION BY THE
 LONG BEACH
 FIELD EDITOR;
 THEIR LANDMARK VALUE
 IS VERY DOUBTFUL
 W.W.S.



66-S-1882

ON 8765C

89° 09' 30"

30° 20'

89° 09'

NOTE: The beach facing Mississippi Sound is
 man-made and maintained and its
 shoreline is subject to frequent change.

S O

LANDMARK VALUE OF THESE BUILDINGS FOR CHARTS APPEARS TO BE QUESTIONABLE

M. M. S

BUILDINGS NOT ON 876 SC

102(123)

STACK 1967 (Masonry) ht = 102 (122)



94(109)

SPIRE 1967 (Wood) ht = 100 (120)

211

NOT ON 876 SC

Not on Boat Sheets

NOTE: Objects extending from beach into Mississippi Sound are storm sewer outlets unless otherwise labelled.

GULF PARK COLLEGE LIGHT 1967 (priv. maintd.)

66-S-1885

66-S-1884

89°08'

89°07'30"

H-8970

H-8925

20'30"

NOT ON 876 SC OR T-9380

08'30"

