

# 13035

Original

# 13035

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Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Shoreline (Photogrammetric)
Field No.	Office No. T-13035
LOCALITY	
State	Mississippi
General locality	Mississippi Sound
Locality	Dog Keys Pass
19 66 - 1967	
CHIEF OF PARTY	
J. Bull, Director, Atlantic Marine Center	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

## DESCRIPTIVE REPORT - DATA RECORD

T - 13035

PROJECT NO. (II):  PH-6625		
FIELD OFFICE (II):		CHIEF OF PARTY
PHOTOGRAMMETRIC OFFICE (III):  Atlantic Marine Center		OFFICER-IN-CHARGE  J. Bull, CAPT
INSTRUCTIONS DATED (III) (III): <i>FIELD: Dec. 1965</i> <i>" SUPPL. #1: Mar. 11, 1964</i> <i>April 27, 1966 (OFFICE)</i> <i>FIELD - PHOTO HYDRO: Sept. 27, 1967</i> <i>Aerotriangulation: March 1, 1964</i>		
METHOD OF COMPILATION (III):  Graphic		
MANUSCRIPT SCALE (III):  1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
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 <del>XXXXXXXXXX</del> 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):  KEYS, 1966 ( <i>Reported "Destroyed" by field editor in March 1967</i> )		
LAT.:	LONG.:	<input type="checkbox"/> ADJUSTED <input checked="" type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV):  = 210,243.92 Ft. ✓      x = 518,909.33 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  5/3/66
PROJECTION AND GRIDS CHECKED BY (IV):  R. Glaser		DATE  5/5/66
CONTROL PLOTTED BY (III):  J. S. Place		DATE  7/12/66
CONTROL CHECKED BY (III):  L. Graves		DATE  7/12/66
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):  P. Hawkins (WSC)		DATE  April 1966 <del>No date</del>
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):  J. S. Place		DATE  Sept. 1966
SCRIBING BY (III):  W. Stevens		DATE  March, 1967
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R.E. Smith (Field edit Application) " " (Scribing) A. C. Rauck (Compilation)		DATE 5/2/67 5/18/67 Sept. 1966
REMARKS:  FIELD EDIT 1967		



DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

"S" Camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE (Predicted)
66-S-2048-2050	27 Jan. 1966	11:06	1:10,000	0.0 Ft. <i>MLW</i>

PREDICTED

TIDE (III)

DIURNAL

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Pensacola			1.3
COORDINATE STATION: Horn Island			1.7
SUBORDINATE STATION:			

Atlantic Marine Center  
WASHINGTON OFFICE REVIEW BY (IV):

*M. M. Slattery*

DATE: *Dec, 1968*

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):

*3\**

RECOVERED:

*3\*\**

IDENTIFIED:

*3\*\**

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

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

*\* KEYS, 1966 was on T-13035; the other two are east of the project.  
\*\* KEYS, 1966 reported "Destroyed" by field editor in March 1967.*



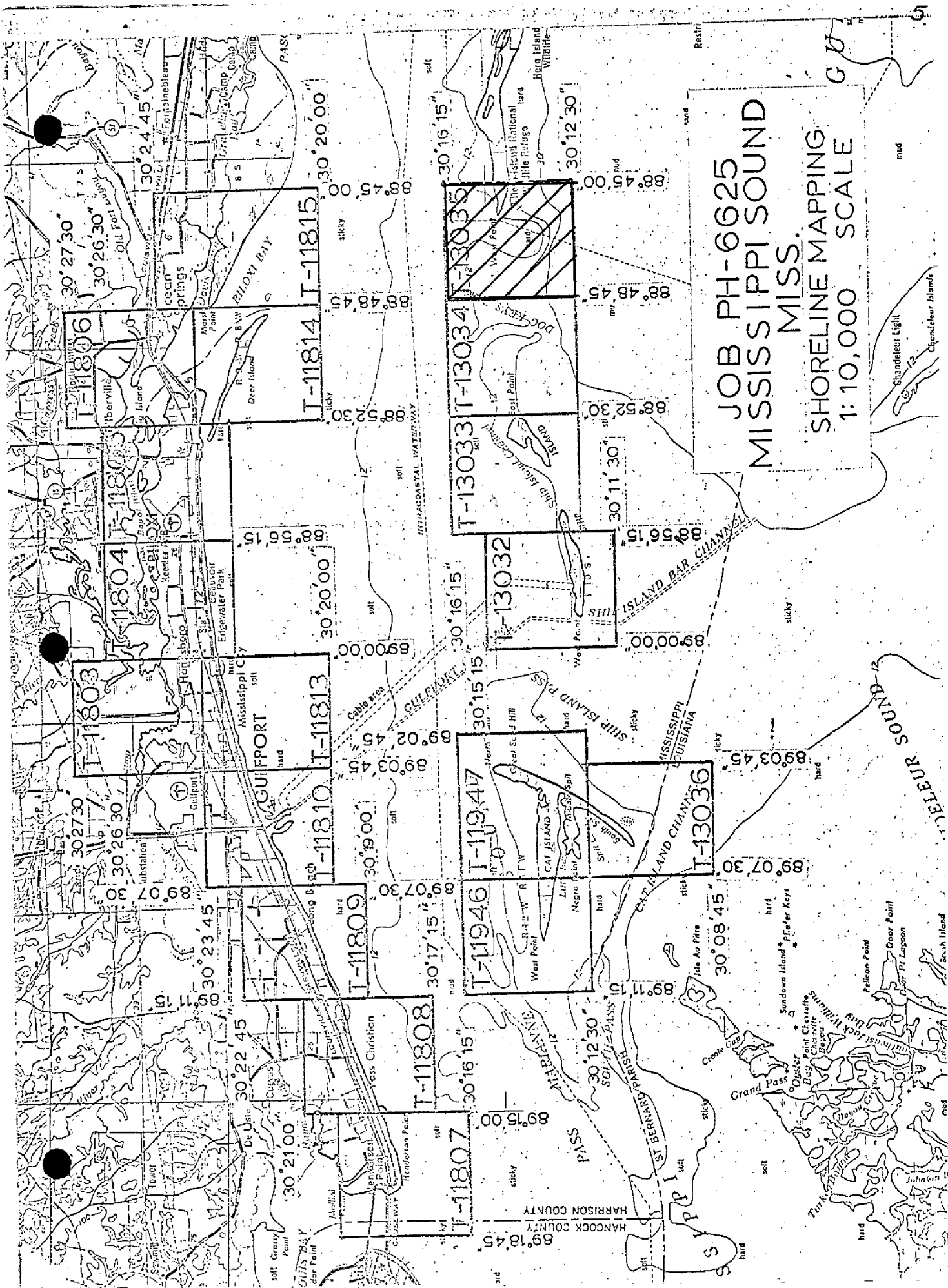
COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation Complete Subject to Field Edit	August, 1966	Superseded
Field Edit applied Compilation Complete	May, 1967	<i>Superseded</i>
<i>Final Review</i>	<i>Dec. 1968</i>	





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



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SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-13035

Shoreline manuscript T-13035 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-13035 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, pre-marking of control stations before photography. The stereoplanigraph bridge was run in the Washington Office with approximately 1:10,000 scale panchromatic photography taken January 27, 1966 with the "S" camera. Compilation was by graphic method with the same photographs used for bridging. Ratio prints at 1:10,000 scale were processed and furnished for hydro support.

The map was field edited in March 1967. Field edit was done on an ozalid and a cronaflex. The map was scribed and stuck-up after applying the field edit.

Final review was done at the Atlantic Marine Center during December 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

There was no field inspection prior to compilation.



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PHOTOGRAMMETRIC PLOT REPORT  
Job PH-6625  
Mississippi Sound, Mississippi  
Part II

21. Area Covered

Part II includes the offshore islands of Mississippi Sound; T-sheets 11946, 11947, 13032, 13033, 13034, 13035 and 13036 are included in this report.

22. Method

Five strips of photography were bridged on the stereoplanigraph and adjusted by IBM 1620 methods.

Strip #11 consisted of photographs 66-S-2048 thru 2056. This strip was adjusted using only two stations with no checks.

Strip #12 consisted of photographs 66-S-<sup>2034</sup>~~1934~~ thru <sup>2042</sup>~~1942~~. This strip was adjusted using three stations with no checks.

Strip #13 consisted of photographs 66-S-2016 thru 2027. This strip was adjusted using three stations with no checks.

Strip #14 consisted of photographs 66-S-2005 thru 2012. This strip was adjusted using three stations with no checks.

Strip #15 consisted of photographs 66-S-1978 thru 1988. This strip was adjusted using three stations with no checks.

23. Adequacy of Control

Control was at a minimum but complied with project instructions. All stations were held during bridging operations.

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.

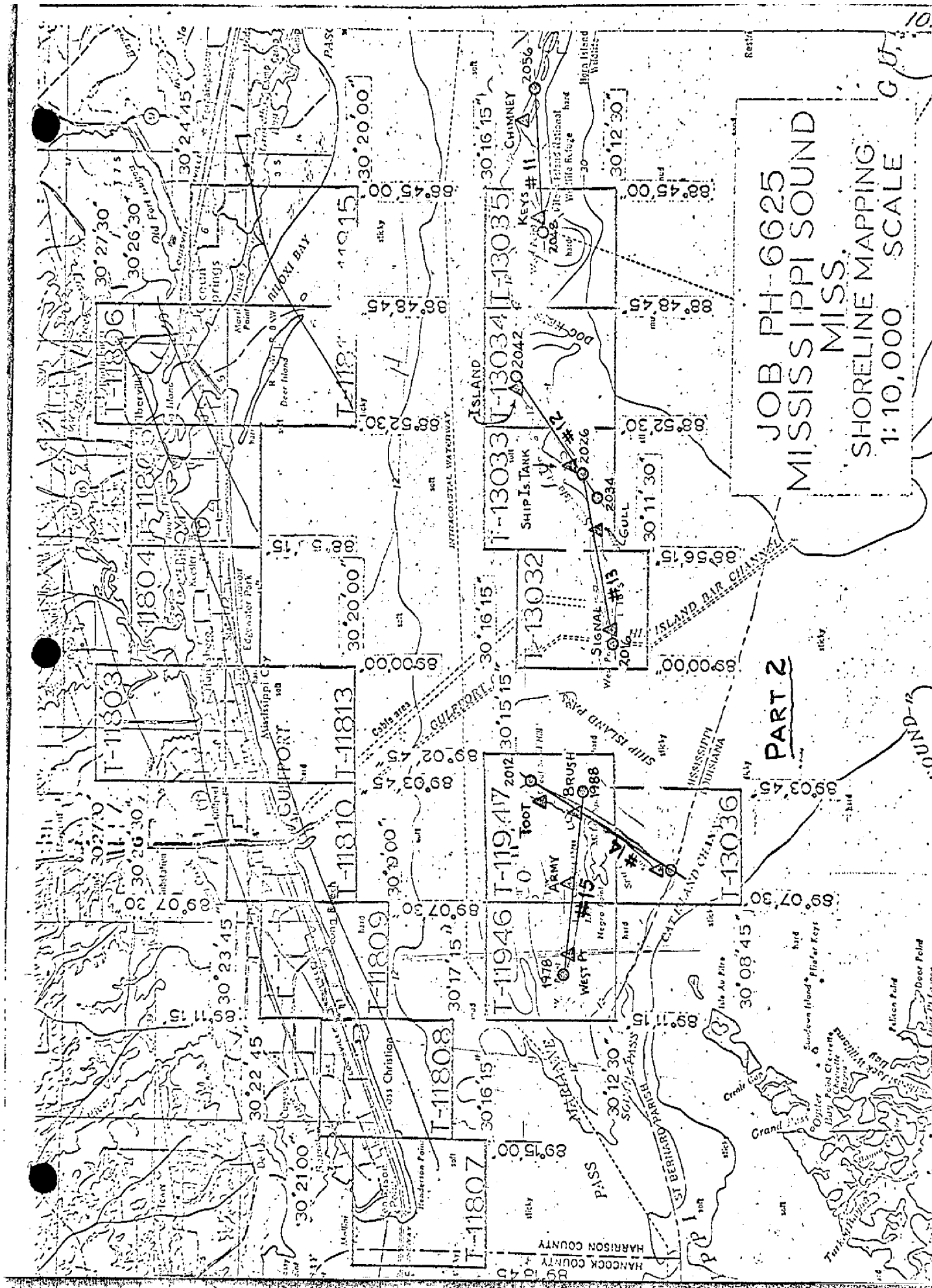
Submitted by:

Paul Hawkins  
Paul Hawkins

Approved by:

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





JOB PH-6625  
MISSISSIPPI SOUND  
MISS.

SHORELINE MAPPING  
1:10,000 SCALE

PART 2

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SOUND-12







COMPILATION REPORT  
T-13035

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31. DELINEATION

Compiled by the graphic method. Bridge points were transferred directly from the diapositives to the ratio photographs and used as control. No other control was necessary.

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 was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

There was no field inspection. The shoreline, low water line and shallow lines were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

Appropriate copies of Form 567 for Landmark and Aids to Navigation have been submitted to the Washington Office under date June 5, 1967.

39. JUNCTIONS

Junctions has been made with T-13034 to the west. There is no contemporary survey to the north, east and south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle DOG KEYS PASS, MISS., scale 1:24,000, dated 1950.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart Nos. 1267, scale 1:80,000, 11th edition, dated January 31, 1966 and 876-SC, scale 1:40,000, 1st Edition dated February 26, 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

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

Approved and forwarded:

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



May 22, 1968

*AB*: GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6625 (Mississippi Sound, Miss.)

T-13035

Dog Keys Pass

Horn Island *Gulf of Mexico*

Mississippi Sound

West Point

Approved by:

*A. Joseph Wraight*  
A. Joseph Wraight  
Chief Geographer

Prepared by:

*Frank W. Pickett*  
Frank W. Pickett  
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

Refer to the Field Edit Discrepancy Ozalid.





C&GS FORM 1002 (11-13-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
T-10363 T-13035			
1. PROJECTION AND GRIDS ACR	2. TITLE ACR	3. MANUSCRIPT NUMBERS ACR	4. MANUSCRIPT SIZE ACR
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ACR	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/sea)	11. DETAIL POINTS ACR
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ACR	13. LOW-WATER LINE ACR	14. ROCKS, SHOALS, ETC. ACR	15. BRIDGES XX
16. AIDS TO NAVIGATION ACR	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES ACR	19. OTHER ALONGSHORE CULTURAL FEATURES XX
PHYSICAL FEATURES			
20. WATER FEATURES XX	21. NATURAL GROUND COVER ACR	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 XX	28. BUILDINGS XX	29. RAILROADS XX	30. OTHER CULTURAL FEATURES XX
BOUNDARIES			
31. BOUNDARY LINES XX	32. PUBLIC LAND LINES XX		
MISCELLANEOUS			
33. GEOGRAPHIC NAMES ACR	34. JUNCTIONS ACR	35. LEGIBILITY OF THE MANUSCRIPT ACR	
36. DISCREPANCY OVERLAY XX	37. DESCRIPTIVE REPORT RES	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS RES
40. REVIEWER Albert C. Rauck Jr. ACR		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck Jr. ACR	
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.			
COMPILER R. J. Pate		SUPERVISOR Albert C. Rauck Jr.	
43. REMARKS  Field Edit Applied from Field Cronaflex and Field Edit Ozalid Only.  There were no Field Edit Photos.			



## FIELD EDIT REPORT

SHEET T-13035

JOB PH-6625

MARCH 1967

Respectfully submitted,

*William R. Cameron*

William R. Cameron

ENS, USESSA

Chief, Photo Party 61

## 51 Methods

All field edit was done in accordance with project instructions and photo instructions. Shoreline revisions and verifications were made using planetable methods and are shown on a cronaflex copy of this manuscript.

An inspection of alongshore features such as marsh areas, piers, etc., was made and additions and corrections were shown on the cronaflex copy of this manuscript.

One fixed aid to navigation was located by theodolite cuts and its position is shown on a Form 567.

All corrections to be applied to the map manuscript are indexed on the field edit ozalid in violet ink. Deletions are indicated by green ink cross hatchures.

## 52 Adequacy of Compilation

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

## 54 Recommendations

None.

## 56 Additional Information

Horn Island West Point is subject to frequent aggradation and degradation. The shoreline shown on the cronaflex copy of this manuscript is the shoreline as of 14 March 1967.

The note to verify shallow areas on the field edit ozalid is not applicable.

A pipe ( bares 4 feet at MHW ) was located in the following position:

Lat. 30-15.3  
Lon. 88-47.3.

REVIEW REPORT T-13035  
SHORELINE  
DECEMBER 1968

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid Comparison Print (pages 22 and 23), which shows the differences noted in Items 62, 64, and 65, is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Registered Survey T-9385; 1:20,000; Field Inspected 1950, no field edit.

The northern limits of T-9385 are at 30° 15', and there was no survey adjoining it to the north in 1950.

The Comparison Print shows the T-9385 differences in blue.

The western end of Horn Island, West Point, has extended about 220 meters west since 1950 (page 22), and the south shore of the island has also extended up to 120 meters (page 23).

T-13035 supersedes the previously registered surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

DOG KEYS PASS, MISS.; U.S.G.S. quad.; 1:24,000; Field Check 1950.

The quadrangle is a reduction of Registered Survey T-9385, and the same differences apply, see Item 62.



64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

BOAT SHEET H-8924 (HFP 742-20-2-66); 1:20,000; 1966.

The boat sheet is in agreement with T-13035.

65. COMPARISON WITH NAUTICAL CHARTS:

CHART 874 SC; 1:40,000; Jan. 1968, corrected to Notice to Mariners #41 of Oct. 14, 1967.

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

The two Small Craft charts overlap in the area of T-13035, and their limits are on the Comparison Print.

The chart differences are on the Comparison print in red.

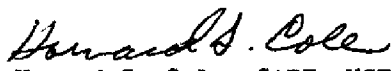
(a) Horn Island West Light 2 is not on the chart.

(b) The chart shoreline extends 40 meters west of the shoreline on T-13035, and at longitude 88° 46' the south shore of Horn Island is now about 90 meters south of the chart shoreline.


66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with the job instructions, though compilation was by graphic method of using stereo-instrument. The survey meets Bureau requirements, and the National Standards for Map Accuracy.

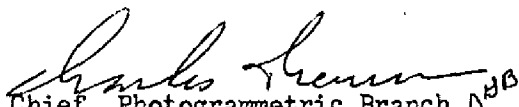
Approved by:

  
Howard S. Cole, CAPT USESSA  
Director, Atlantic Marine Center

Submitted by:

  
M. M. Slavney

Approved by:

  
Chief, Photogrammetric Branch <sup>DSB</sup>

  
Chief, Photogrammetry Division

Chief, Nautical Chart Division

POSITION ON CHART

OK ON BOAT SHEET

M I S S I S S I P P

15' 30"

46' 30"

NO SURVEY IN 1950

15'

NORTHERN LIMITS OF T-9385

P A S S

BODY ON CHART

LIGHT NOT ON CHART

HORN ISLAND WEST LIGHT 2 1967

West Point

88° 47'

Y S

874 S.C.

30° 14' 30"

66-S-2048

D O G



