

13032

ORIGINAL

13032

<p>Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY</p> <h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
Type of Survey	SHORELINE (PHOTOGRAMMETRIC)
Field No.	Office No. T-13032
LOCALITY	
State	Mississippi
General locality	Mississippi Sound
Locality	Ship Island (Ship Island Harbor)
<u>19 66-67</u>	
CHIEF OF PARTY	
J. Bull, Director, Atlantic Marine Center	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T - 13032

PROJECT NO. (II): PH6625		
FIELD OFFICE (II):	CHIEF OF PARTY	
PHOTOGRAMMETRIC OFFICE (III): Atlantic Marine Center	OFFICER-IN-CHARGE J. Bull, CAPT	
INSTRUCTIONS DATED (II) (III): April 27, 1966 (OFFICE) <i>FIELD : Dec. 1965</i> <i>FIELD: SUPPL. #1 : March 11, 1966</i> <i>u Photo Hydro: Sept. 27, 1967</i> <i>Aerotriangulation: March, 1966</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 MEAN SEA LEVEL 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): SHIP ISLAND LIGHT, 1902 ✓		
LAT.: 30°12'45".140(1390.0m) ✓	LONG.: 88°57'57".843(1547.0m) ✓	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): = 198,534.91 ft. ✓ x = 458,072.91 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 Jan 1966		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree	DATE 5/4/66	
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 <i>April 1966</i> no date	
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): J. S. Place	DATE August 1966	
SCRIBING BY (III): W. Stevens	DATE February 2, 1967	
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): <i>R. E. Smith (F. Edit. Application)</i> <i>R. J. Pete (Scribing)</i> <i>R. E. Smith (Compilation)</i>	DATE <i>1/19/68</i> <i>5/7/68</i> August 1966	
REMARKS: <i>F. Edit by W. R. Cameron in Nov. 1967</i>		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS Single Lens S

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	* STAGE OF TIDE
66S 2016-2021	27 Jan. 1966	10:56	1:10,000	0.0 <i>M.L.W.</i>

* Predicted

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	* SPRING RANGE
REFERENCE STATION: Pensacola, Florida			1.3
ORDINATE STATION: Ship Island Pass			1.7
SUBORDINATE STATION:			

Atlantic Marine Center
WASHINGTON OFFICE REVIEW BY (IV):

M. M. Slawney

DATE: *Nov. 1968*

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

5

RECOVERED: *3***

IDENTIFIED: *1*

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

-

RECOVERED: *-*

IDENTIFIED: *-*

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

-

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

-

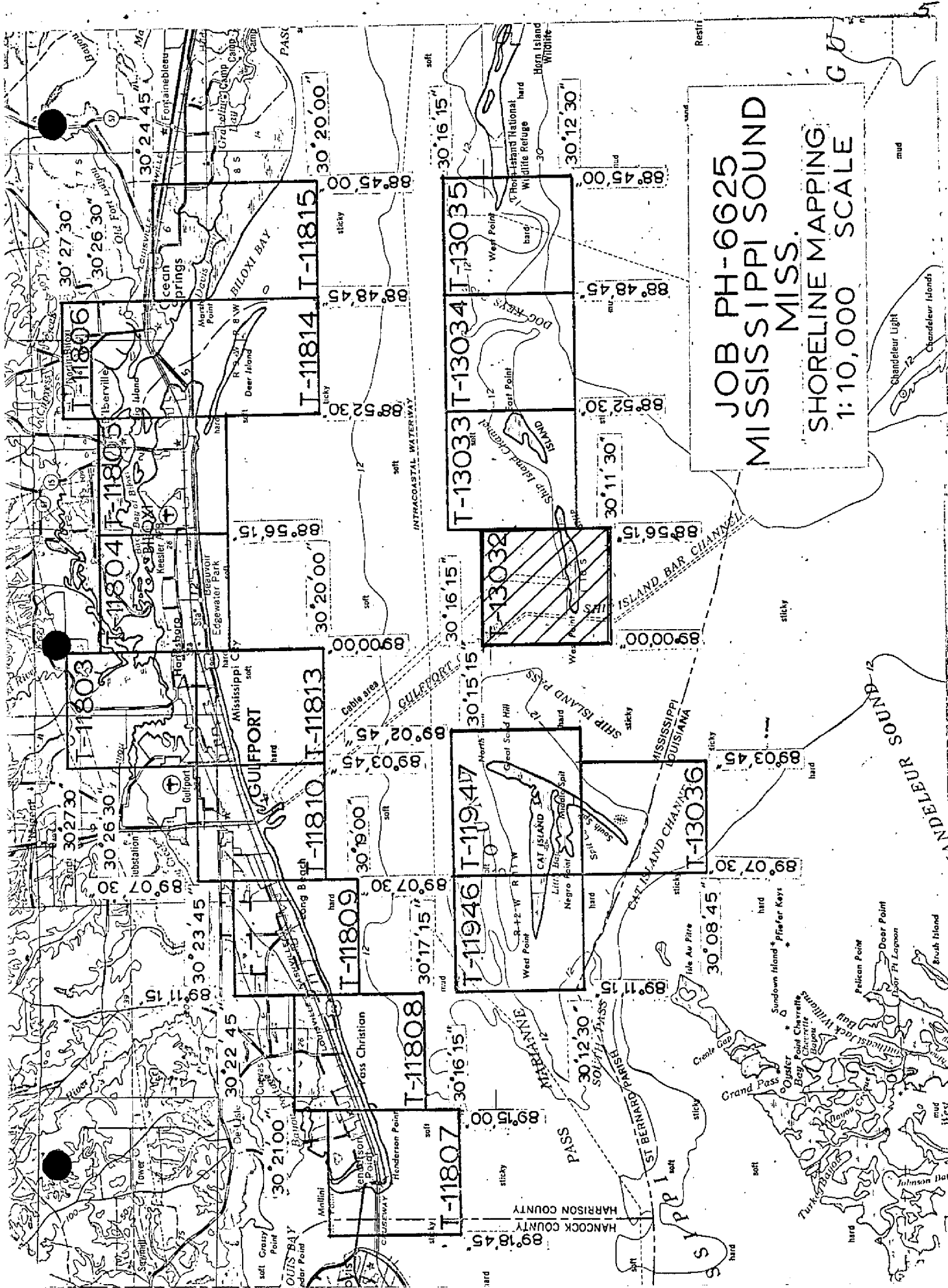
REMARKS: *** See form 526 for one of them: "Gulfport Chan. Outer Range Rear Lt. 1946"*

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation Complete Subject to Field Edit	August 1966	Superseded
Field Edit Applied Compilation Complete	January 1968	<i>Superseded</i>
<i>Some revisions in final review</i>	<i>Nov. 1968</i>	



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

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-13032

Shoreline manuscript T-13032 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-13032 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 10,000 scale pan-chromatic 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 for compilation and then furnished for hydro support.

The map was field edited in January 1968. Field edit was done on an ozalid, a cronaflex, and in various photographs. The map was scribed and stuck-up after applying the field edit.

Final review was done at the Atlantic Marine Center during November 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.

8

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-²⁰³⁴~~1934~~ thru ²⁰⁴²~~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

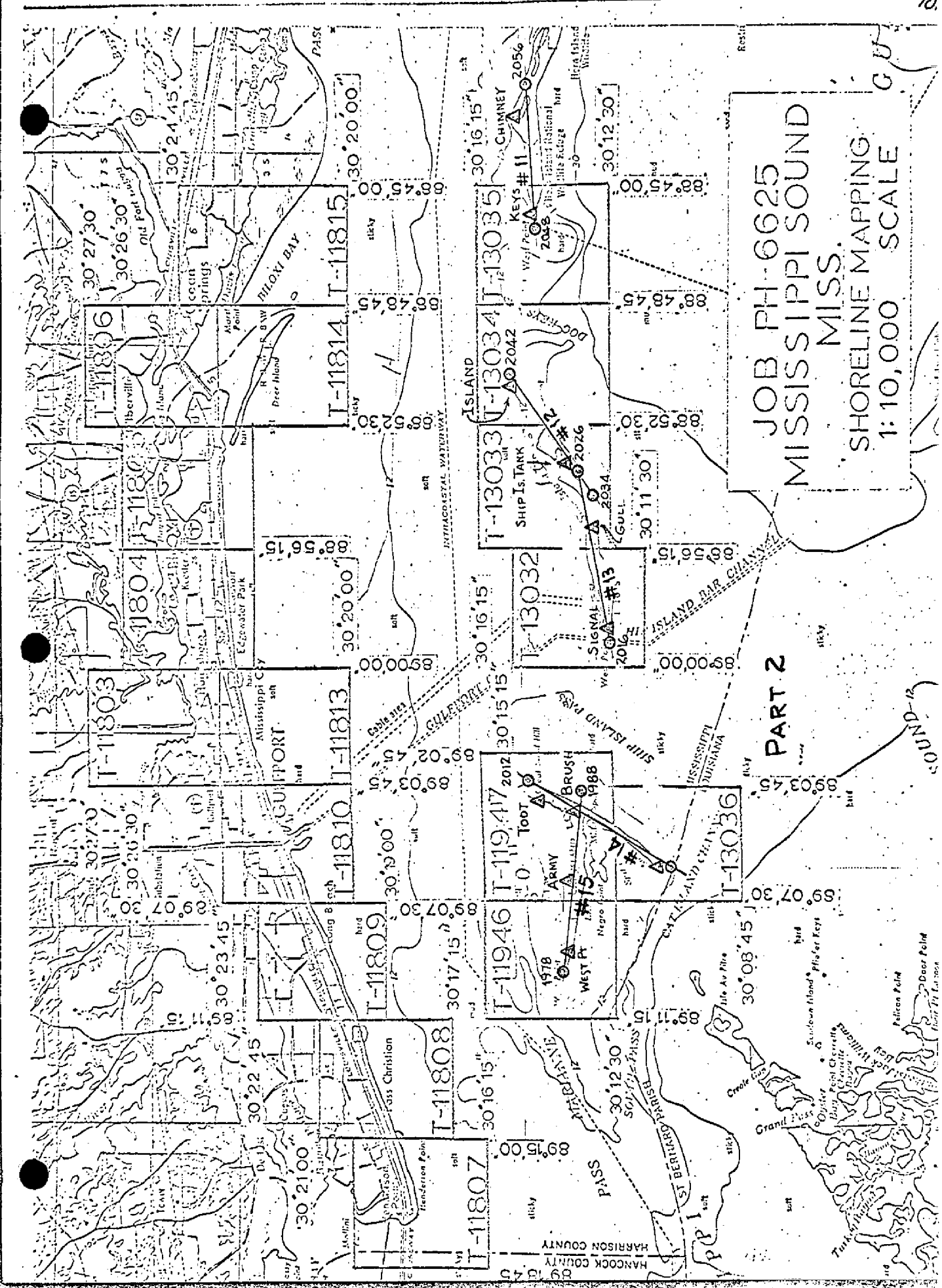
Photography was adequate as to coverage, quality and definition.

Submitted by:

Paul Hawkins
Paul Hawkins

Approved by:

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



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

PART 2

SOUND-15

HANCOCK COUNTY
 HARRISON COUNTY

COMPILATION REPORT
T-13032

The Photogrammetric Plot Report is being submitted with this Report.

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 January 23, 1968

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junction has been made with T-13033 to the east. The Gulf of Mexico is to the south and Mississippi Sound is to the north and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle SHIP ISLAND, MISS., scale 1:24,000, dated 1950.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart No. 1267 scale 1:80,000, 11th edition, dated January 31, 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.



J. S. Place
Cartographer

Approved and forwarded:

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

May 22, 1968

48. GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6625 (Mississippi Sound, Miss.)

T-13032

Chandeleur Sound

East Channel

Gulfport Channel

* Loggerhead Shoal

Mississippi Sound

*Old Fort Massachusetts ***

Ship Island

* Ship Island Flats

Ship Island Harbor

Ship Island Pass

* S.E. Spit

West Head

West Point

** Feature not mapped*

*** Historical name for fort remains*

Approved by:

A. Joseph Wraight

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

T-13032

49. NOTES FOR THE HYDROGRAPHER:

NONE

C&GS FORM 1002 (11-13-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW T-10363 13032			
1. PROJECTION AND GRIDS RES	2. TITLE RES	3. MANUSCRIPT NUMBERS RES	4. MANUSCRIPT SIZE RES
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RES	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) RES		7. PHOTO HYDRO STATIONS XX
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT Bridge (WSC)	11. DETAIL POINTS XX
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE RES	13. LOW-WATER LINE RES	14. ROCKS, SHOALS, ETC. RES	15. BRIDGES XX
16. AIDS TO NAVIGATION RES	17. LANDMARKS RES	18. OTHER ALONGSHORE PHYSICAL FEATURES RES	19. OTHER ALONGSHORE CULTURAL FEATURES RES
PHYSICAL FEATURES			
20. WATER FEATURES RES		21. NATURAL GROUND COVER RES	22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES RES
CULTURAL FEATURES			
27. ROADS XX	28. BUILDINGS RES	29. RAILROADS XX	30. OTHER CULTURAL FEATURES RES
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES RES		34. JUNCTIONS RES	35. LEGIBILITY OF THE MANUSCRIPT RES
36. DISCREPANCY OVERLAY XX	37. DESCRIPTIVE REPORT RES	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS RES
40. REVIEWER RES <i>P.E. Smith</i>		SUPERVISOR, REVIEW SECTION OR UNIT ACR <i>Albert C. Rauck Jr.</i>	
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 ALS <i>Arnold S. Spauld</i>		SUPERVISOR ACR <i>Albert C. Rauck Jr.</i>	
43. REMARKS Field Edit applied from Field Edit Cronaflex print, Field Edit Ozalid & matte ratio photographs Nos. 66-S-2017 & 66-S-2018.			

~~NONFLIGHTING AIDS OR~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~

STRIKE OUT TWO

Atlantic Marine Center January 22, 1968

I recommend that the following objects which have ~~(A&V Hb)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(A&V Hb)~~ the charts indicated.

The positions given have been checked after listing by A. L. Shands For J. Bull, RADM, USESSA

Director, ANE

Chief Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE*		LONGITUDE*								DATUM
				° ' "	D.M. METERS	° ' "	D.P. METERS							
MISSISSIPPI														
	MISSISSIPPI SOUND													
	SHIP ISLAND													
TOWER	Abandoned Lighthouse ht=70 (80) (Ship Island Light 1902)			30 12	145.110 1390.0	88 57	57.813 1547.0	N.A. 1927	Triang. T-13032	Verifi. 11/22/67	X	X	876SC 1267	
OLD FORT	Fort Massachusetts			30 127		88 58.3		N.A. 1927	Photo. T-13032	Verifi. 11/22/67	X	X	876SC 1267	

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

NONFLOATING AIDS OR LANDMARKS/FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED
STRIKE OUT TWO

Atlantic Marine Center January 22, 1968

I recommend that the following objects which have ~~(1454/1460)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(1454/1460)~~ the charts indicated.

The positions given have been checked after listing by Clayton L. Shands For J. A. Sturte
A. L. Shands Director, AMC

Chief of Party

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE #	LONGITUDE #	DATUM	D.P. METERS						
				° ' "	° ' "								
	MISSISSIPPI												
	MISSISSIPPI SOUND												
	GULFPORT CHANNEL												
LIGHT		Entrance Directional Light		30 14	88 59	N.A. 1927	0.11	Topogr. T-13032	11/24/67	X		X	8765C 1267
LIGHT		Ship Island Range Front Light		30 12	88 57	N.A. 1927	58.68	Photo. T-13032	Verifi. 11/24/67	X		X	8765C 1267
*LIGHT		Ship Island Range Rear Light		30 12	88 57	N.A. 1927	45.218	Triang. T-13032	Verifi. 11/24/67	X		X	8765C 1267
		(Gulfport Channel Outer Range Rear Light 1946)					1209.1						
		SHIP ISLAND PASS											
*LIGHT		Ship Island Light		THIS LIGHT IS ON THE SAME STRUCTURE AS SHIP ISLAND RANGE REAR LIGHT							X		8765C 1267

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-16, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

FIELD EDIT REPORT

SHEET T-13032

JOB PH-6625

NOVEMBER 1967

PHOTO PARTY 61

William R. Cameron

ENS - USESSA

51 Methods

All field edit was done in accordance with project instructions and photo instructions. Shoreline revisions and verifications were made using a planetable and alidade and are shown on the Field Edit Cronaflex.

An inspection of alongshore features such as marshes, piers, breakwaters, etc was made and additions and corrections are indexed on the Field Edit Ozalid. Certain features are noted on the following matte ~~ratio~~^{contact} prints in violet ink:
66S2017 and 66S2018.

All landmarks and fixed aids to navigation were investigated and a Form 567 was submitted.

52 Adequacy of Compilation

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

54 Recommendations

None.

56 Additional Information

The above mentioned matte ratio prints should be consulted for details not compiled on this manuscript.

Note that Ship Island Light and Ship Island Range Rear Light are on the same structure.

REVIEW REPORT T-13032
SHORELINE
NOV. 1968

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid Comparison Print (pages 24 through 26), 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-9384, 1:20,000; contoured and field inspected 1950, no field edit.

T-9384 differences with this map are shown in blue on the Comparison Print. Some of the shoreline differences, may be ascribed to the 1:20,000 scale of T-9384, and "to the area subject to frequent change" at West Point; other differences are:

(a) The breakwater at $30^{\circ} 12.76'$, $88^{\circ} 58.05'$, (page 25), shows no opening on T-9384; photographs 66-S-2018 and 2019 clearly show the breakwater and opening as shown on this survey.

(b) Near Old Fort Massachusetts, T-9384 shows two "breakwaters" that the field editor labelled "submerged rocks". Two more rows of "submerged rocks", north and east of the fort, were identified and mapped on T-13032 which are not on T-9384 (see page 25).

(c) The wreck on T-13032 at $30^{\circ} 12.62'$, $88^{\circ} 58.4'$, (page 25), is probably new since T-9384 was compiled.

(d) Shoreline changes of up to 80 meters are noted on the Comparison print, (pages 24 through 26).

T-13032 supersedes the previous registered survey for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

SHIP ISLAND, MISS.; U.S.G.S. quadrangle; 1:24,000; Field Check 1950.

The quadrangle is a reduction of Registered Survey T-9384, and the same differences apply, see Item 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

H-8971 (HFP 742 20-1-68); 1:20,000; 1968.

The only difference, shown in green on the Comparison Print (page 26), is the "pile" on T-13032 at $30^{\circ} 13.2'$, $88^{\circ} 56.38'$ which the boat sheet describes as a "concrete filled steel casing 24" in diameter, with orange barrel on top, should be charted as a danger to navigation."

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-13032 are shown on the Comparison Print in red.

(a) The wreck in Chart 876 SC, near $30^{\circ} 12.52'$, $88^{\circ} 59.13'$ (page 24), is not visible on the photographs was not noted by the field editor, but was investigated by the hydro-party, and the boat sheet recommends deletion.

(b) The chart scale is apparently too small to show the "submerged rocks" or "breakwaters" near the old fort (page 25).

(c) The pier delineation on the chart near $30^{\circ} 12.8'$, $88^{\circ} 58.32'$ (page 25), extending north from the old fort, consists of two piers, side by side. T-13032 shows only one pier is there.

(d) The shoreline differences at West Point are to be expected; the largest shoreline difference, about 75 meters, elsewhere is on the south shore near $30^{\circ} 12.8'$, $88^{\circ} 56.4'$ (page 26).

(e) The wreck near $30^{\circ} 12.62'$, $88^{\circ} 58.4'$ (page 25) is not on the chart, see para. (c) Item 62, and it actually falls inside the chart shoreline.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Approved by:

Howard S. Cole

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

Submitted by:

M. M. Slavney

M. M. Slavney

Approved by:

Charles L. ...
Chief, Photogrammetric Branch *PLB*

Chief, Photogrammetric Branch

R. L. ...

Chief, Photogrammetry Division

Chief, Nautical Chart Division

M I S

Gulfport Channel

6K
L. E. FEES (SINK) OPERATOR
UNDEVELOPED LIGHT 1965

14'

13'30"

FOLD

2A

Ship Isl

30° 13'

88° 59' 30"

59'

shoreline subject to frequent change

West Point

SIGNAL 106

66 S 2017

66 S 2016

ISLAND PASS

12'30"

NOT VISIBLE ON PHOTOS,
NOT NOTED BY FIELD EDITOR,
BOAT SHEET RECOMMENDS
DELETION

ISLAND

and Harbor
58' 30"

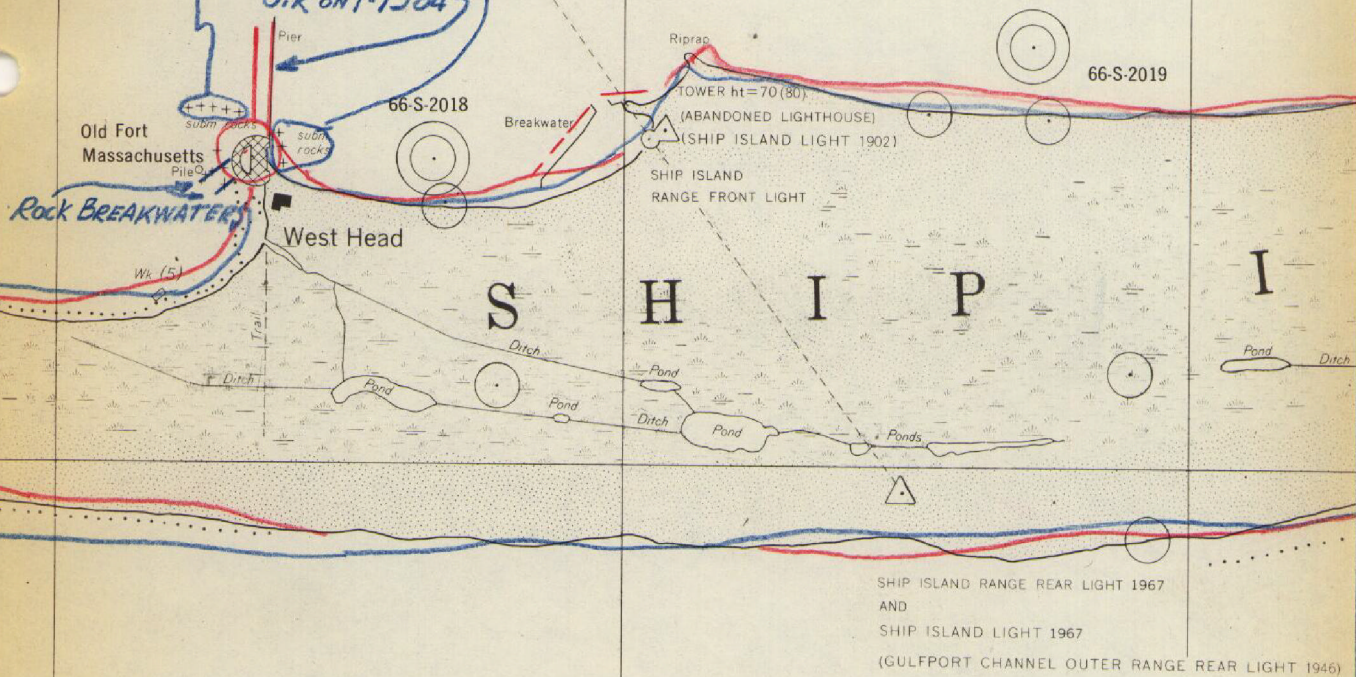
325° 30' TRUE
143° 43'
144°

88° 58'

57' 30"

30° 13'

NOT ON T-9384
O.K. ON T-9384

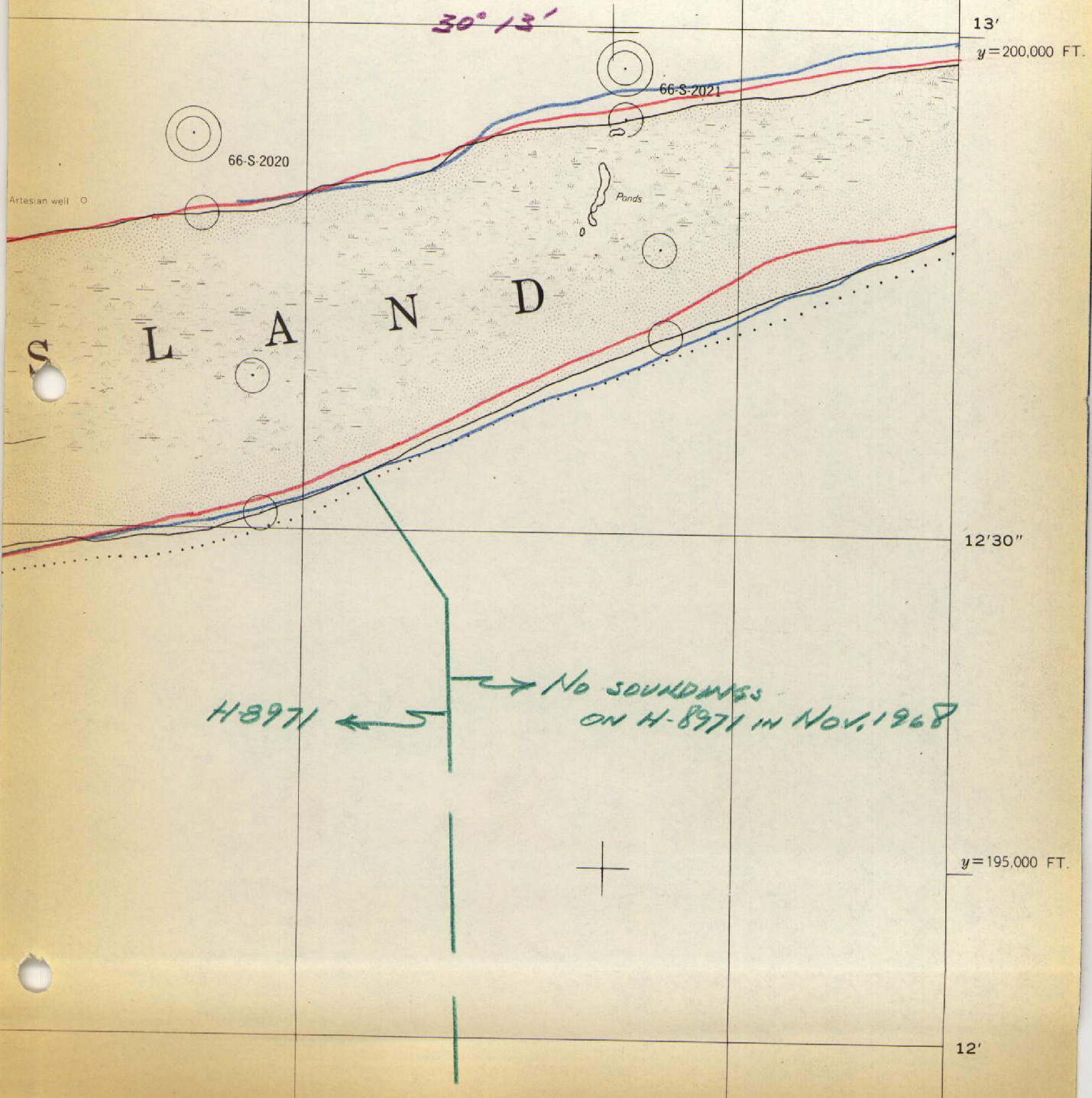


H-8971
BOAT SHEET, NOTE "CONC. FILLED STEEL
CASING 24" IN DIAM. WITH ORANGE
BARREL ON TOP, SHOULD BE CHARTED
AS A DANGER TO NAVIGATION"

88° 57'

5730"

30° 13'



H8971 ← No SOUNDINGS ON H-8971 IN NOV. 1968

13'
y=200,000 FT.

12'30"

y=195,000 FT.

12'

NOTES TO REVIEWER
T-13032, PH-6625
BOAT SHEET H-8971 (HFP-20-1-68)

Please note Items 62, 64, and 65 of the Descriptive Report
for T-13032.