

11805

Original

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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. _____ Office No. <u>T-11805</u></p>
<p>LOCALITY</p> <p>State <u>Mississippi</u></p> <p>General locality <u>Mississippi Sound</u></p> <p>Locality <u>Biloxi</u></p>
<p><u>19 66</u> - 1967</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

11805

DESCRIPTIVE REPORT - DATA RECORD

T - 11805

PROJECT NO. (II): PH-6625		
FIELD OFFICE (II):		CHIEF OF PARTY
PHOTOGRAMMETRIC OFFICE (III): Atlantic Marine Center		OFFICER-IN-CHARGE J. Bull, Director Atlantic Marine Center
INSTRUCTIONS DATED (II) (III): <i>DEC. 1965 (FIELD) & MAR. 11, 1966 (Field Suppl. #1)</i> <i>April 27, 1966 (OFFICE)</i> <i>SEPT. 27, 1967 (PHOTO HYDRO SUPPORT)</i> <i>March 1, 1966 (Bero triangulation)</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 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): BILO, 1955 ✓		
LAT.: 30°23' 37".328(1149.4m) ✓	LONG.: 88° 54' 04".474(119.4m) ✓	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): = 264,401.97 FT. ✓ x = 478,588.68 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 (III): none		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation Date of Photos January 27, 1966		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE May 1966
PROJECTION AND GRIDS CHECKED BY (IV): R. Glaser		DATE May 1966
CONTROL PLOTTED BY (III): J. Place		DATE August 1966
CONTROL CHECKED BY (III): L. Graves		DATE August 1966
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): P. Hawkins (WSC)		DATE <i>April, 1966</i> No date
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY K. Boyle	DATE August 1966
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): K. Boyle		DATE August 1966
SCRIBING BY (III): F. Margiotta		DATE August 1967
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): <i>R.E. SMITH (COMPILATION)</i> <i>" " (F. EDIT APPL.)</i> R. E. Smith (<i>SCRIBING</i>)		DATE <i>SEPT. 1966</i> <i>AUG., 1967</i> September 1967
REMARKS: <i>Field edit by W. R. Cameron, Feb. 1967</i>		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

"S" camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE *
66-S-1909 thru 1913	Jan. 27, 1966	0958	1:15,000	0.0 M.L.W.
66-S-1928 thru 1932	"	1008	"	" "
66-S-1936 thru 1938	"	1015	"	" "
66-S-1810 thru 1812	"	0850	1:30,000	0.2 above "

* Predicted

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Pensacola, Fla.		1.3	
COORDINATE STATION: Biloxi, Biloxi Bay, Miss.		1.8	
SUBORDINATE STATION:			
Atlantic Marine Center WASHINGTON OFFICE REVIEW BY (IV): <i>M. M. Starnes</i>		DATE: June 1968	
PROOF EDIT BY (IV):		DATE:	
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 12	RECOVERED: 12	IDENTIFIED: 3	
NUMBER OF BM(S) SEARCHED FOR (II): -	RECOVERED: -	IDENTIFIED: -	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): -			
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): -			

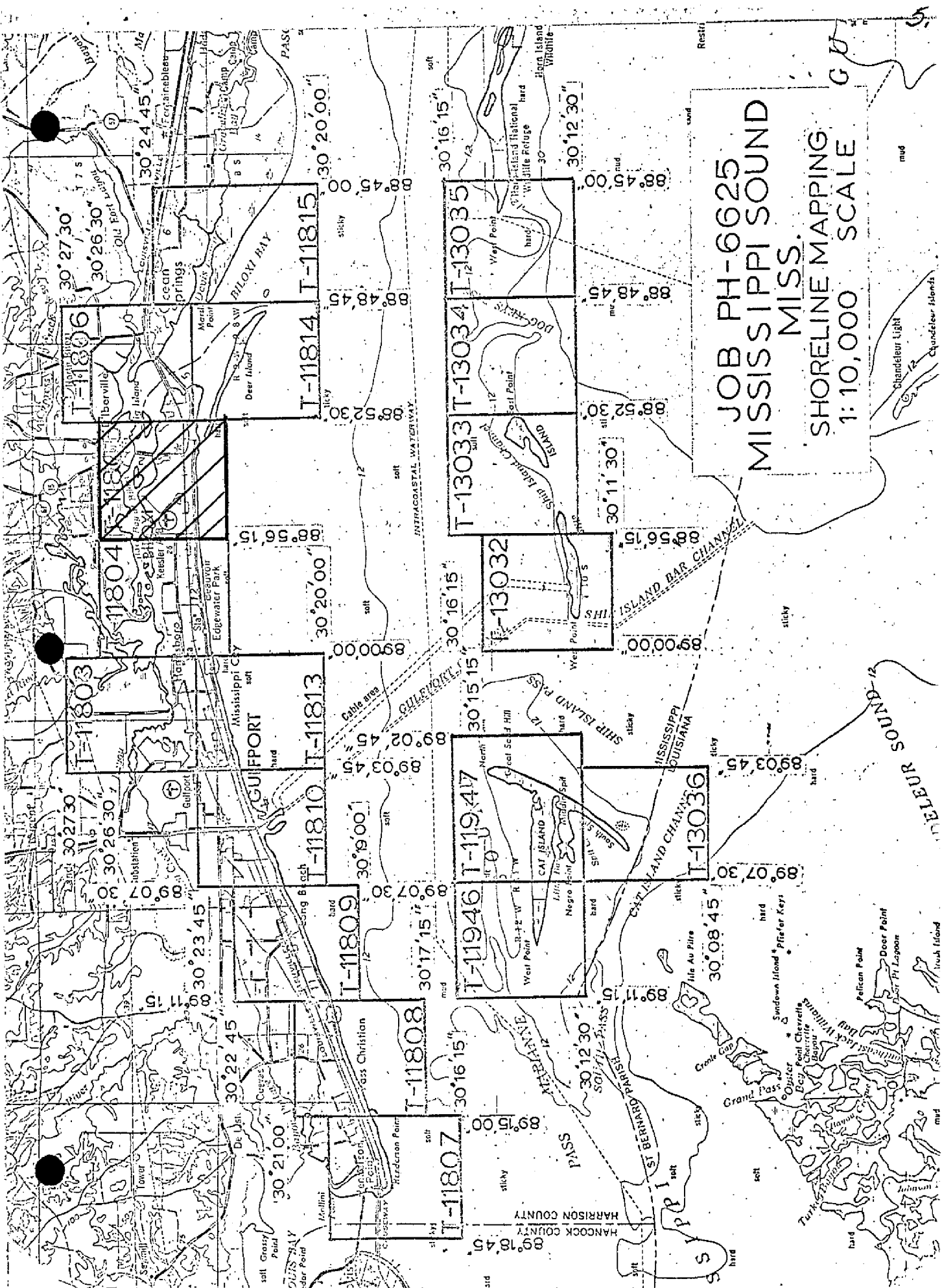
REMARKS:

COMPILATION RECORD

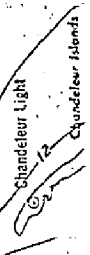
COMPLETION DATE

REMARKS

Alongshore area for Hydro	Aug. 1966	Superseded
Field Edit applied Compilation complete	July 1967	<i>Superseded.</i>
<i>Final Review</i>	<i>JUNE, 1968</i>	



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



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11805

Shoreline manuscript T-11805 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-11805 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 were 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 September 1967. Field edit was done on an ozalid, a cronaflex, 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 June 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 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 stereoplani-graph 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.

7.

#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.

MAP T. 11805

PROJECT NO. PH-6625

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
BILOXI, 1930	G.P. Pg. 27	N.A. 1927	30° 23' 45.728" ✓ 88° 56' 00.172" ✓	1408.1 (439.5) ✓ 4.6 (1597.1)					
KEESLER, 1943	" Pg. 182	"	30° 24' 07.490" ✓ 88° 55' 02.863" ✓	230.6 (1617.0) ✓ 76.4 (1525.2)					
BILOXI, KEESLER FIELD, BLOCK 19, TANK, 1943	" Pg. 193	"	30° 24' 26.722" ✓ 88° 55' 00.511" ✓	822.9 (1024.7) ✓ 13.6 (1587.9)					
BILOXI, KEESLER FIELD, BLOCK 6 TANK, 1943	" Pg. 193	"	30° 24' 39.605" ✓ 88° 54' 45.031" ✓	1219.6 (628.0) ✓ 1202.0 (399.5)					
BILOXI, KEESLER FIELD, BLOCK 35, TANK, 1943	" Pg. 193	"	30° 24' 13.571" ✓ 88° 54' 44.684" ✓	447.9 (1429.7) 1192.7 (408.8)					
BILOXI, KEESLER FIELD, BLOCK 60, TANK, 1958	" Pg. 404	"	30° 24' 32.409" ✓ 88° 54' 15.814" ✓	998.0 (849.6) 422.1 (1179.4)					
BILOXI, KEESLER FIELD, BLOCK 73, TANK, 1958	" Pg. 403	"	30° 24' 00.991" ✓ 88° 55' 32.647" ✓	30.5 (1817.1) 871.5 (730.1)					
BILOXI, KEESLER FIELD, CONTROL TOWER, 1958	" Pg. 403	"	30° 24' 26.208" ✓ 88° 55' 23.921" ✓	807.0 (1040.6) 638.5 (963.0)					
BILOXI, KEESLER FIELD WEATHER TOWER, 1958	" Pg. 403	"	30° 24' 27.529" ✓ 88° 55' 14.327" ✓	847.7 (999.9) 382.4 (1219.1)					
BILOXI, CHANNEL BEACON NO. 10 1935	" Pg. 70	"	30° 23' 19.196" ✓ 88° 53' 57.105" ✓	591.1 (1256.5) ✓ 1524.5 (77.3)			<i>Destroyed</i>		
BILOXI CHANNEL LIGHT NO. 10 1951	" Pg. 324	"	30° 23' 19.210" ✓ 88° 53' 57.127" ✓	591.5 (1256.1) ✓ 1525.1 (76.7)			<i>Destroyed</i>		
BILOXI LIGHTHOUSE 1855	" Pg. 61	"	30° 23' 39.189" ✓ 88° 54' 04.216" ✓	1206.7 (640.2) ✓ 112.5 (1489.2)					

1 FT. = 3048006 METER

COMPUTED BY: A. C. Rauck, Jr.

DATE August 18, 1966

CHECKED BY: C. H. Bishop

DATE 8/18/66

COMM-DC-57843

MAP T-11805

PROJECT NO. PH-6625

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
BILOXI, RADIO STATION WLOX, MAST, 1958	G.P. Pg. 404	N.A. 1927	30° 23' 33.026" ✓ 88° 53' 37.453" ✓	1017.0 (830.6) 999.9 (601.8)	✓		
BILOXI, KEESLER FIELD HOSPITAL PENTHOUSE, 1958	" Pg. 403	"	30° 24' 45.497" ✓ 88° 54' 37.011" ✓	1401.0 (1446.6) 987.9 (613.6)	✓		
BILOXI, CHANNEL LIGHT 8, 1951	" Pg. 325	"	30° 23' 11.574" ✓ 88° 54' 02.525" ✓	356.4 (1491.2) 24.1 (1507.8)	✓ <i>Destroyed</i>		
BILOXI, CHANNEL LIGHT 6, 1951	" Pg. 325	"	30° 23' 03.836" ✓ 88° 54' 05.336" ✓	118.1 (1729.5) 142.5 (1459.4)	✓		
CAN. 1910	" Pg. 65	"	30° 25' 19.115" ✓ 88° 52' 38.443" ✓	588.6 (1259.0) 1026.0 (575.3)	✓		
BILOXI BAY HIGH WAY 57, DRAWSPAN, CENTER LIGHT, 1935	" Pg. 71	"	30° 25' 12.899" ✓ 88° 53' 28.906" ✓	397.2 (1450.4) 771.5 (829.9)	✓		
BILO, 1955	" Pg. 336 (Miss.)	"	30° 23' 37.328" ✓ 88° 54' 04.474" ✓	1149.4 (698.2) 119.4 (1482.3)	✓		
BARN, 1910	" Pg. 153	"	30° 24' 43.682" ✓ 88° 52' 46.566" ✓	1345.1 (502.5) 1242.9 (358.6)	✓ <i>Lost</i>		
HOLLIMAN, 1935	" Pg. 65	"	30° 25' 26.363" ✓ 88° 56' 07.288" ✓	811.8 (1035.8) 194.5 (1406.8)	✓		
BILOXI, 1930 TRAV. PT. NO. 2	I.B.M. Readout Strip 3	"	265,883.78' ✓ 468,592.14' ✓	883.78' (4116.22) 3592.14' (1407.86)	✓		
BILOXI, BUENA VISTA HOTEL TANK 1930	G.P. Pg. 42	"	30° 23' 42.168" ✓ 88° 53' 36.519" ✓	1298.5 (549.1) 974.9 (626.8)	✓		
BILOXI, HOTEL BILOXI TANK, 1943	" Pg. 193	"	30° 23' 45.58" ✓ 88° 54' 18.45" ✓	1403.5 (444.1) 492.5 (1109.2)	✓		

1 FT. = 3048006 METER

COMPUTED BY: A. C. Rauck, Jr.

DATE 8/18/66

CHECKED BY: C. H. Bishop

DATE 8/18/66

COMM-DC-57843

3

COMPILATION REPORT
T-11805

~~Photogrammetric Plot Report submitted with T-11803.~~

31. DELINEATION

The Kelsh plotter was used. There was no field inspection. Photography was satisfactory.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS & DRAINAGE

Contours are inapplicable. Drainage was delineated from office interpretation of the photographs.

35. SHORELINE & ALONGSHORE DETAILS

Shallow and shoal limits were delineated from office interpretation of the photographs. No low water line was shown.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS & AIDS

Appropriate copies of Form 567 for Landmarks & Aids to Navigation were forwarded to the Washington Office under date July 1, 1967.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions are in agreement with T-11804 to the ^{west} ~~east~~, 11806 and 11814 to the ^{east} ~~west~~. Mississippi Sound is to the south. There is no contemporary survey to the north.

40. HORIZONTAL & VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS Quadrangle Biloxi, Mississippi, scale 1:24,000 dated 1954.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with USC&GS Charts No. 876-SC, scale 1:40,000 revised February 26, 1966 and 1267, scale 1:80,000 revised January 31, 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Approved & forwarded:

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

Karl Boyle
Karl Boyle
Cartographic Technician

May 22, 1968

48.

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6625 (Mississippi Sound, Miss.)

T-11805

Auguste Bayou
Avery Point
Back Bay of Biloxi
Big Island
Biglin Bayou
Biloxi
Damphman Point
Deer Island
D'Iberville
Goat Island

Keegan Bayou
Keesler Air Force Base
Little Island
Magnolia Bend
Mississippi Sound
O'Neal Point
Parkhurst Point
Ravine Canne
Rhodes Point
Saint Martin Bayou
Shipyard Point

Approved by:

A. Joseph Wright
A. Joseph Wright
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

Shallow and shoal areas shown on this sheet were determined by office interpretation of the aerial photographs and are shown as an aid to the Hydrographer. If a shallow or shoal area that is shown does not exist, this fact should be noted on the field edit ozalid.

Investigate non-floating aids and landmarks for charts and submit Form 567.

Refer to notes on field edit ozalid.

TO BE CHARTED
TWO EXAMINED
NO. 2014-01-01

Atlantic Marine Center

July 20

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

The positions given have been checked after listing by

R. E. Smith

BU 11 - RADM. USESSA

Director A.M.C.

Director A.M.C.

STA.	MISSISSIPPI		SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF OBSERVATION	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
	LATITUDE #			LONGITUDE #		DATUM									
	°	'		°	'										
CHARTING NAME	DESCRIPTION			°	'	°	'	D.P. METERS	D.P. METERS						
	MISSISSIPPI SOUND														
	BILLOXI CHANNEL														
LIGHT		BILLOXI LIGHT (BILLOXI LIGHTHOUSE 1855)		30	23	39.169	88	54	04.216	N.A.	1927	Triang.	Feb.	X	1267
LIGHT 6				30	22	1206.7	88	54	112.5	N.A.	1927	T-11805	Feb.	X	876
DAYBEACON						58.5			05.2	N.A.	1927	Photo.	Feb.	X	1267
						1800	88	54	140	N.A.	1927	T-11805	Feb.	X	876
						14.3	88	54	07.3	N.A.	1927	Photo.	Feb.	X	37
						140	88	54	195	N.A.	1927	T-11805	Feb.	X	876
LIGHT 8				30	23	13.5	88	54	02.5	N.A.	1927	Photo.	Feb.	X	1267
LIGHT 10				30	23	417	88	54	68	N.A.	1927	T-11805	Feb.	X	876
LIGHT 16				30	23	21.0	88	53	56.2	N.A.	1927	Photo.	Feb.	X	1267
				30	23	648	88	53	1500	N.A.	1927	T-11805	Feb.	X	876
				30	23	23.3	88	52	58.4	N.A.	1927	Photo.	Feb.	X	1267
				30	23	716	88	52	1558	N.A.	1927	T-11805	Feb.	X	876
		BACK BAY OF BILLOXI													
LIGHT 9				30	24	41.9	88	52	32.1	N.A.	1927	Photo.	Feb.	X	1267
						1289			858	N.A.	1927	T-11805	Feb.	X	876

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.

TO BE CHARTED
NON-FLOATING AID
TO NAVIGATION

STRIKE OUT TWO

NON-FLOATING AID TO NAVIGATION LANDMARKS FOR CHARTS

Atlantic Marine Center

July 20

19 67

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

The positions given have been checked after listing by *R. E. Smith*

R. E. Smith

G. J. Pull, RAJM, USNCSA
Director, A.M.C. Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF NOTIFICATION	NEARBY CHART	OFFSHORE CHART	SHOAL CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE		DATUM						
				° ' "	D.P. METERS	° ' "	D.P. METERS							
		MISSISSIPPI SOUND												
		BILOXI CHANNEL												
	TANK	BILOXI EJERNA VISTA HOTEL												
		TANK 1930 ht= 138 (153)	30 23	1298.5	88 53	36.519	N.A.	1927	Triang. T-1180	Feb. 1967	X			1267 876
	RADIO WEST	BILOXI RADIO STATION T-10X												
		TANK 1958 ht= 163 (169)	30 23	1017.0	88 53	37.453	N.A.	1927	Triang. T-1180	Feb. 1967	X			1267 876
	TANK	BILOXI KEESLER FIELD BLOCK 73 TANK 1958 ht= 157 (185)	30 24	00.991	88 55	32.647	N.A.	1927	Triang. T-1180	Feb. 1967	X			1267 876
	TANK	BILOXI KEESLER FIELD BLOCK 19												
		TANK 1943 ht= 172 (192)	30 24	26.722	88 55	00.511	N.A.	1927	Triang. T-1180	Feb. 1967	X			1267 876
	TANK	BILOXI KEESLER FIELD BLOCK 6TANK 1943 ht= 172 (192)	30 24	39.605	88 54	15.031	N.A.	1927	Triang. T-1180	Feb. 1967	X			1267 876
		BILOXI KEESLER FIELD BLOCK 35												
	TANK	TANK 1943 ht= 172 (192)	30 24	13.571	88 54	44.684	N.A.	1927	Triang. T-1180	Feb. 1967	X			1267 876
	TANK	BILOXI KEESLER FIELD BLOCK 60												
		TANK 1958 ht= 166 (185)	30 24	32.409	88 54	15.814	N.A.	1927	Triang. T-1180	Feb. 1967	X			1267 876
	FLAG	Storm Warning Tower, steel												
	TOWER	ht= 78 (82)	30 23	31.0	88 53	07.5	N.A.	1927	Photo. T-1180	Feb. 1967	X			1267 876

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 provided for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

USCOM-DC 3 US-P-19

STRIKE OUT TWO

INTRODUCING XANTOX LANDMARKS FOR CHARTS

Atlantic Marine center

July 20 1967

I recommend that the following objects which have ~~(ancestral)~~ been inspected from seaward to determine their value as landmarks be ~~deleted from~~ the charts indicated.

The positions given have been checked after listing by

R. E. Smith

✓ J. Bull, RADM, USESSA
Director, A.M.C. Chief

Director. A.M.C. Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF OBSERVATION No. verification	INSHORE CHART	OFFSHORE CHART	Maid's Chart	CHARTS AFFECTED
				LATITUDE*		LONGITUDE*		DATUM							
				° /	" D.M. METERS "	° /	" D.P. METERS "								
MISSISSIPPI		MISSISSIPPI SOUND													
		BILLOXI CHANNEL													
TANK		BILLOXI HOTEL BILLOXI TANK 1943 (Destroyed)		30 23	45.58 1403.5		88 54	18.15 492.5	N.A. 1927	Triangulation T-11804	X	X			1267 876=
TOWER		BILLOXI KESSLER FIELD CONTROL TOWER 1958 (Tower is only visible in a small sector northward)		30 24	26.208 807.0		88 55	23.921 638.5	N.A. 1927	Triangulation T-11804	X	X			1267 876
										</					

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.

PHOTOGRAMMETRIC OFFICE REVIEW

T-98003 11805

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) 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 RES	13. LOW-WATER LINE XX	14. ROCKS, SHOALS, ETC. RES	15. BRIDGES RES
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 RES	28. BUILDINGS RES	29. RAILROADS XX	30. OTHER CULTURAL FEATURES RES
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES YY	
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 P. E. Smith RES		SUPERVISOR, REVIEW SECTION OR UNIT ACR Albert C. Rauch, 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.			
COMPILER P. E. Smith R. E. S.		SUPERVISOR Albert C. Rauch, Jr. A. C. R.	
43. REMARKS Field Edit applied from cronaflex positive, Field Edit ozalid, and Field Photos Nos: 66-S-1811, 66-S-1909, 66-S-1911, and 66-S-1912.			

FIELD EDIT REPORT

SHEET T-11805

JOB PH-6625

FEBRUARY 1967

Respectfully submitted,

William R. Cameron

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 and radial-plot methods and are shown on a cronaflex positive of the manuscript.

An inspection of alongshore features such as marsh areas, piers, pier ruins, etc. was made. Additions and corrections are shown on the field ratio prints.

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

All field edit notes were made in violet ink on the field ratio prints. Each correction or group of corrections was cross-referenced by appropriate photograph numbers on the field edit ozalid. This ozalid is an index and inventory of all corrections to be applied to the map manuscript.

52 Adequacy of Compilation

Compilation of the 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:

66S-1811
66S-1909
66S-1911
66S-1912.

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 verified by planetable cuts. Additions, corrections, and deletions are shown on a cronaflex copy of this manuscript.

Three submerged cables and one submerged pipeline were found and their shore ends were located. It was assumed that the cables and pipeline lay in a straight line between the shore ends.

24.
56 Additional Information (cont.)

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

The delineation of the shoreline in Back Bay of Biloxi was inspected and several changes were noted on the field ratio prints. If no measurements or corrections are shown the compilation is correct.

The two wrecks in the vicinity of Back Bay of Biloxi Lt. 9 were searched for and both were found. Their positions are shown on a cronaflex positive of this manuscript. The two wrecks reported south of Goat Island were searched for but were not found. $\phi 30^{\circ}24.8' \ 288^{\circ}54.0'$

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

REVIEW REPORT T-11805
SHORELINE
June 1968

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

Item 31 (Delineation) states "the Kelsh Plotter was used"; but Biloxi Channel Daybeacon 7, and Lights 6, 8, and 10, as well as most of the "piling" in Mississippi Sound were located graphically from ratio prints of photographs 66-S-1909 through 1913, which had been fixed graphically. The positions of these lights and most of the piling were corroborated by the field editor's plane-table cuts. The largest discrepancy, and the only serious one on T-11805, was one of about 18 meters on a pile at latitude $30^{\circ} 23.37'$, longitude $88^{\circ} 55.52'$; but the field cronaflex for T-11805 (in the border) showed cuts to the same pile which closely checked the photo cuts. Consequently the photographic position was re-checked and is used.

Biloxi Channel Light 16, 1967 is the photogrammetric position of this aid, which is about 5 meters south of the position of triangulation station Biloxi Channel Beacon No. 16, 1935. Neither the 1966 or 1967 Light List indicate the aid has been moved or rebuilt since it was erected in 1933, so its position was checked by setting up stereo model 66-S-1839-1840. The field editor also shows two cuts through it on the cronaflex field edit positive.

An ozalid Comparison Print (pages 28 through 33), which shows the differences noted in Items 62 through 65, is included with the original copy of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Registered Survey T-9377 south half; 1:10,000; Field Edited in Sept. 1954.

Differences with the T-9377^S/₂ are shown in blue on the Comparison Print.

(a) T-9377 shows three wrecks near latitude $30^{\circ} 24.8'$, longitude $88^{\circ} 54.05'$ that are not on T-11805. T-9377 was apparently the source for the two wrecks on Chart 876 S.C. (See Item 65, Para.A) and for which the field editor made an unsuccessful search, please see Item 64.

(b) T-9377 shows a wreck about 13 meters offshore, near latitude $30^{\circ} 24.8'$, longitude $88^{\circ} 53.78'$, which is not on T-11805. It could not be seen on the photographs and was not noted by the field editor.

(c) The wreck near latitude $30^{\circ} 24.57'$, Longitude $88^{\circ} 52.52'$ is the same height and about 10 meters east of its position on T-11805.

(d) The high water line in Mississippi Sound shows differences to 35 meters; this beach is ~~made~~ made, see Item 56 of the Field Edit Report, *note on Map.* *mm*

(e) The heights and elevations of the landmarks (tanks and towers) differ by as much as five feet with the values on T-9377.

(f) Only one runway is shown at Keesler Air Force Base on T-11805, the second runway on T-9377 is closed according to the indications on the photographs. In addition to the "x's" on the closed runway, there are also automobiles parked on it.

(g) Biloxi Channel Lights 8 and 10 are now about 70 meters NNE of the T-9377 positions.

Some changes in shoreline, piers, piling, etc. are also indicated on the Comparison Print.

This map supersedes the previous registered survey for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

USGS quad. BILOXI, MISS.; 1:24,000; Field check 1954

This quadrangle is a reduction of Registered Survey T-9377, see Item 62, and the same differences apply.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

BOAT SHEET H-8922 (HFP 742-10-2-66); 1:10,000; 1966

- BOAT SHEET H-8923 (HFP 742-10-3-66); 1:10,000; 1966

Notes pertaining to the boat sheets are on the Comparison Print in green.

(a) The hydrographer's report for H-8922 stated that the two wrecks, para. (a) Item 62, were sounded over, and the area examined at low tide; and that he recommended "deletion" of the wrecks from the chart.

There are minor shoreline differences; the boat sheet shoreline was from the INCOMPLETE MANUSCRIPT, which has since been field edited and completed.

65. COMPARISON WITH NAUTICAL CHARTS:

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

Chart differences with T-11805 are on the Comparison Print in red.

(a) The chart shows two wrecks south of Goat Island (page 29) that are not on T-11805. The field editor did not find them, see the 3rd para. on page 24, and they are not visible on the photographs. The hydrographer's report for H-8922 calls for their deletion, see Para.(a) of Item 64.

(b) BACK BAY OF BILOXI LIGHT 9 is about 45 meters north of its chart position.

(c) Buildings on T-11805 that are not on the chart were checked by the field editor for charting value.

(d) The chart shows a building at latitude $30^{\circ} 25.77'$, longitude $88^{\circ} 54.35'$ (page 29) that is concealed from Back Bay of Biloxi by dense tall trees.

(e) The chart shows a landmark that is also an aeronautical aid, latitude $30^{\circ} 24.44'$, longitude $88^{\circ} 55.01'$ (page 29). The Instrument Approach Procedure Chart for Keesler Air Force Base, dated April 1967, indicates it as an aeronautical aid at that time. It was not submitted as such by the field editor and a Form 567 was not submitted.

(f) The shoreline of Mississippi Sound is shown on the chart at about the position of the "Seawall" on T-11805, which is as much as 70 meters inshore of the M.H.W.L. of the Sound. Although the beach is man made, see field edit report (first para. on page 24), it would seem to be desirable to have it shown on the chart.

(g) The Comparison Print shows other shoreline changes, piers, added and deleted, piling added and/or changed, etc. from the chart.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Approved by:

J. Bull
J. Bull, RADM, USESSA
Director, Atlantic Marine Center

Submitted by:

M. M. Slavney
M. M. Slavney

Approved by:

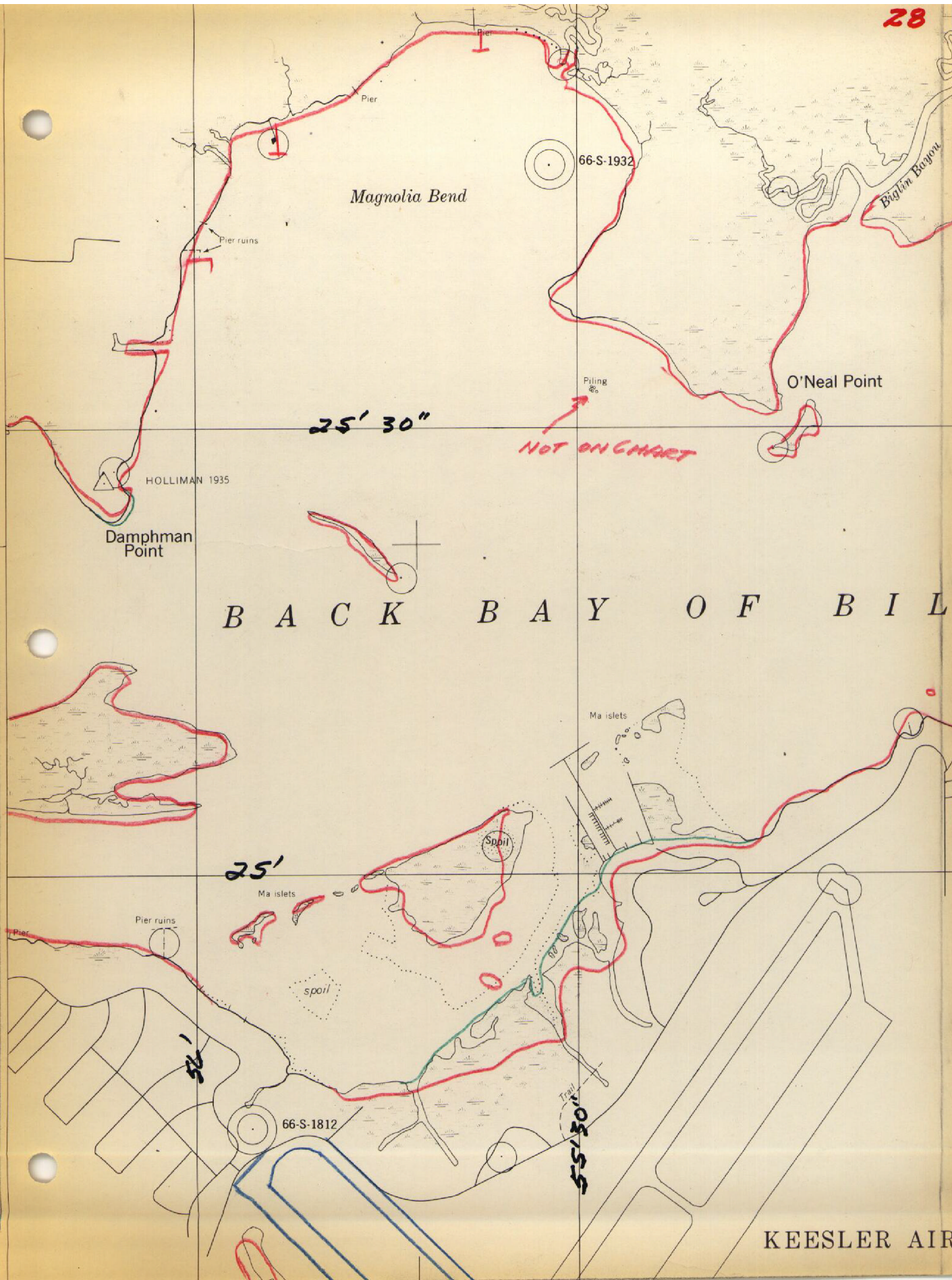
Charles H. Hannon
Chief, Photogrammetric Branch 680

R. B. Hannon
Chief, Photogrammetry Division

Chief, Nautical Chart Division

NOTES TO VERIFIER
T-11805, Job PH-6625
BOAT SHEETS H-8922 and H-8923

Please note Items ⁶¹62, 64, and 65 and the Comparison Print (pages 28 through ³³33) of the Descriptive Report.





FORCE BASE

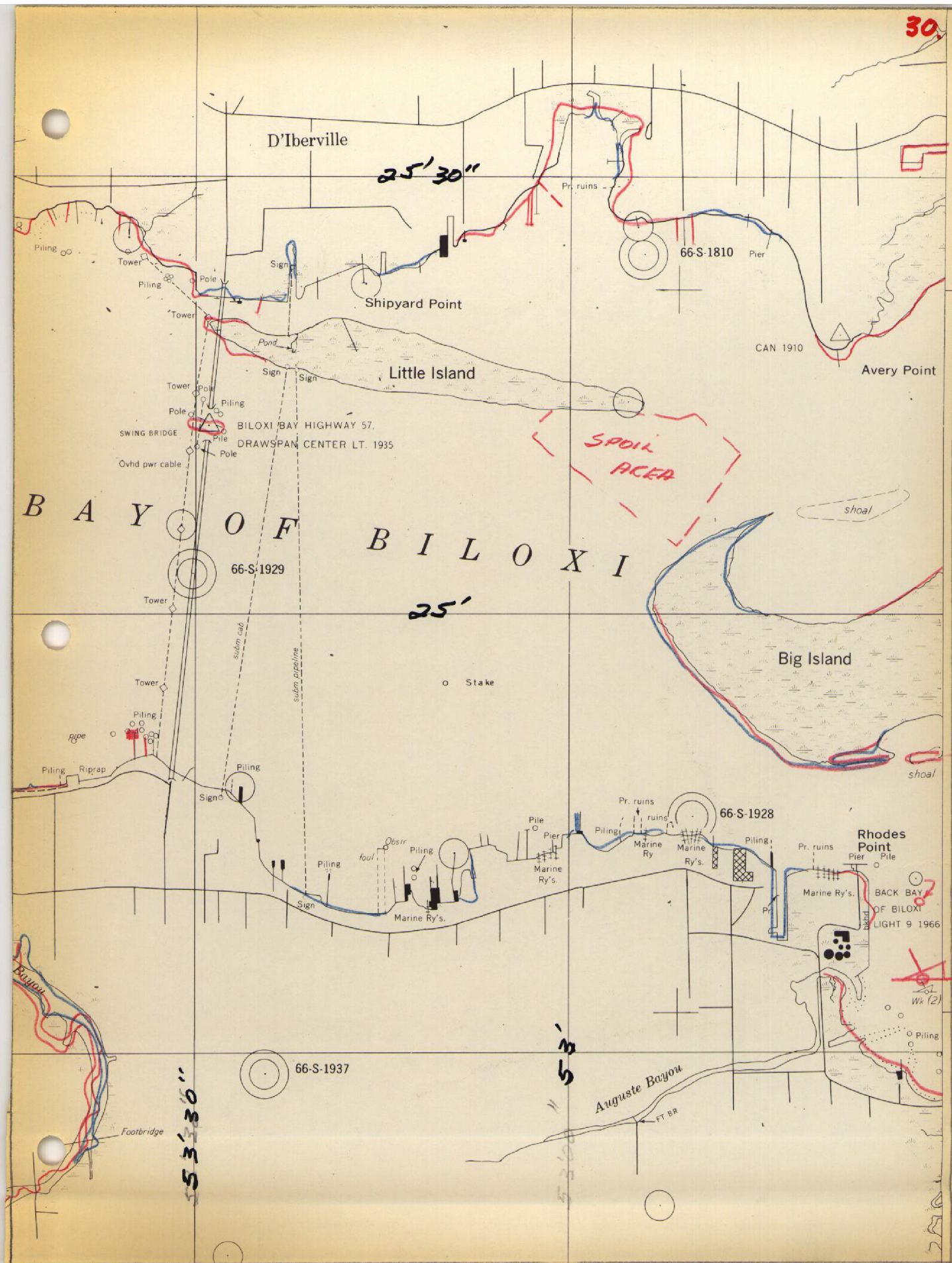
ALSO AN AERONAUTICAL AID
ON CHART.

A = BLDGS NOT ON CHART

BILOXI, KEESLER FIELD,
BLOCK 60 TANK 1958
ht = 166 (185)
168(185)

BILOXI, KEESLER FIELD,
BLOCK 6 TANK 1943
ht = 172 (192)
168(187)

BILOXI, KEESLER FIELD,
BLOCK 10 TANK 1943



**RUNWAY CLOSED
SEE ITEM 62**

BILOXI, KEESLER FIELD
BLOCK 73 TANK 1958
ht=157 (185)

24'00"

165(190)

BILOXI 1930 TRAV. PT. NO. 2

BILOXI 1930

90

Storm drains

Seawall

Storm drains

Storm drains

66-S-1909

66-S-1910

23' 30"

Obstr

Piling

Piling

M

88° 56' 00"

Pile ON CHART

55' 30"

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

32.

△ BILOXI, KEESLER FIELD.

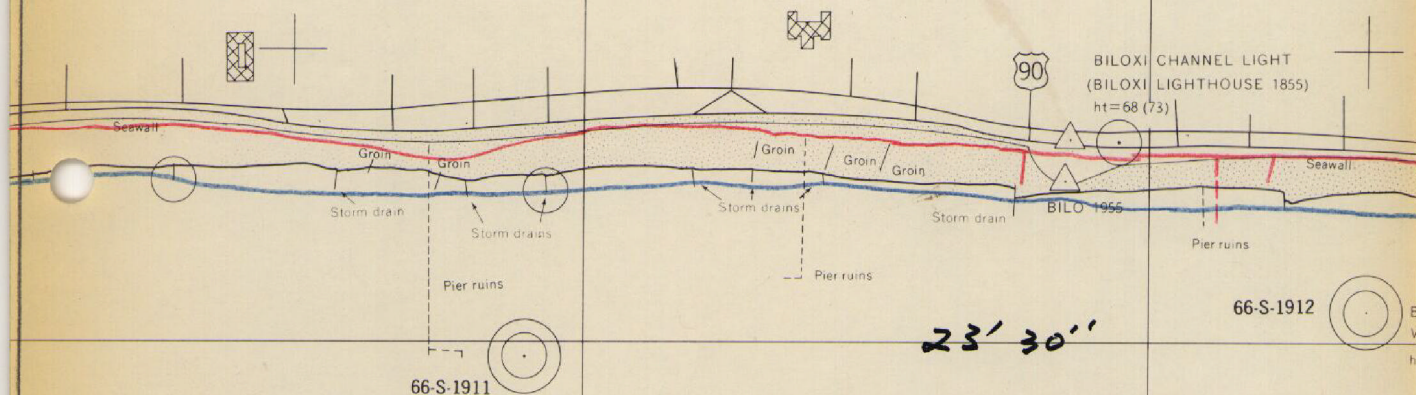
BLOCK 35 TANK, 1943

ht=172 (192)

↑ 170 (187)

KEESLER 1943

24'



Not on Chart

Piling

BILOXI CHANNEL LIGHT 10 1967

I S S I S S I P P I S O U N D

24' 30"

BILOXI CHANNEL DAYBEACON 7 1967

BILOXI CHANNEL LIGHT 8 1967

88° 54'

BILOXI CHANNEL LIGHT 6 1967

BILOXI

66-S-1938

33.

30° 24' 00"

A = BUILDINGS NOT ON CHART

